



ACADEMIC GUIDE

*FIND YOUR PATHWAY
TO SUCCESS*

2022-2023

Course Catalog

amphi.com





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OUR HIGH SCHOOLS

*COMPREHENSIVE PUBLIC HIGH SCHOOLS AND
ONLINE ACADEMY*

AMPHITHEATER HIGH SCHOOL

125 W. Yavapai Rd., Tucson, AZ 85705
(520) 696-5340 | amphi.com/AmphiHigh



PATHWAYS

- Agriscience
- Automotive Diesel Technology
- Dance
- Digital Photography
- Early Childhood Education
- Film & TV Production
- Instrumental Music
- JROTC
- Photo Design (YK)
- Sports Medicine
- Software & App Design
- Technical Theater
- Theater Arts
- Visual Arts
- Vocal Arts
- Welding Technology
- World Languages

PROGRAMS

- AVID
- Cambridge Academy

AP COURSES

- Biology
- Calculus AB
- Calculus BC
- Chemistry
- Computer Science A
- Computer Science Principles
- English Language and Composition
- English Literature and Composition
- Environmental Science
- French Language & Culture
- Music Theory
- Physics 1
- Psychology
- Spanish Language & Culture
- Statistics
- Studio Art
- American Government & Politics
- US History

LANGUAGES

- American Sign Language I, II, III, IV
- French I, II, III, IV
- Spanish I, II, III, IV, AP

DUAL ENROLLMENT

- American Sign Language
- English Composition I & II
- History of the United States I & II
- Introduction to Western Civilization I & II

CERTIFICATIONS

- Adobe Certified Associate Photoshop
- Adobe Certified Associate Premier
- CompTIA IT Fundamentals
- Emergency Medical Responder
- First Aid/CPR
- Food Handlers
- OSHA 10
- Paraprofessional
- Safety and Pollution Prevention
- Student ASE (G1, A1-A8)

CANYON DEL ORO HIGH SCHOOL



25 W. Calle Concordia, Tucson, AZ 85704
(520) 696-5560 | amphi.com/CDO

PATHWAYS

- Architectural Drafting & Design
- Automotive Technology
- Bioscience
- Construction Technologies
- Culinary Arts
- Dance
- Digital Photography
- Early Childhood Education
- Engineering
- Graphic Design (YK)
- Instrumental Music
- JROTC
- Sports Medicine
- Software & App Design
- Technical Theater
- Theater Arts
- Visual Arts
- Vocal Arts
- World Languages

PROGRAMS

- International Baccalaureate (IB) Diploma
- International Baccalaureate (IB) Certificate

LANGUAGES

- American Sign Language I, II, III, IV
- French I, II, III, IV, AP, IB
- German I, II, III, IV, AP, IB
- Spanish I, II, III, IV, AP, IB

AP COURSES

- Biology
- Calculus AB
- Calculus BC
- Chemistry
- Computer Science A
- Computer Science Principles
- Economics (Semester)
- English Language and Composition
- English Literature and Composition
- French Language & Culture
- German Language & Culture
- Music Theory
- Physics C: Mechanics
- Psychology
- Spanish Language & Culture
- Statistics
- Studio Art
- American Government & Politics (Semester)
- US History
- World History

IB COURSES

- Chemistry SL/HL
- Computer Science SL
- Dance SL
- Environmental Systems & Societies SL
- History HL
- Literature HL
- Literature & Performance SL
- Mathematics: Analysis and Approaches SL
- Music SL

- Social & Cultural Anthropology SL/HL
- Visual Arts SL/HL

DUAL ENROLLMENT

- American Sign Language
- Architectural Design & Drafting
- Automotive Technology III
- Bioscience
- Construction Technology
- Culinary Arts
- Engineering

CERTIFICATIONS

- ACF NOCTI Level 2
- Adobe Autodesk Certified User
- Adobe Certified Associate Photoshop
- Biotechnician Assistant Credentialing Exam
- CompTIA IT Fundamentals
- Emergency Medical Responder
- First Aid/CPR
- Food Handlers
- NCCER
- OSHA 10
- Paraprofessional
- Safety and Pollution Prevention
- ServSafe® Food Management Certification
- Student ASE (G1, A1-A8)

IRONWOOD RIDGE HIGH SCHOOL



2475 W. Naranja Dr., Tucson, AZ 85742
(520) 696-3902 | amphi.com/IRHS

PATHWAYS

- Bioscience
- Culinary Arts
- Digital Photography
- Engineering
- Film & TV Production
- Graphic Design
- Instrumental Music
- JROTC
- Music & Audio Production
- Nursing Services
- Photo Design (YK)
- Sports Medicine
- Software & App Design
- Technical Theater
- Theater Arts
- Visual Arts
- Vocal Arts
- World Languages

PROGRAMS

- PCC AZ General Education Certificate (AGEC-A)

LANGUAGES

- American Sign Language I, II, III, IV
- French I, II, III, AP
- Spanish I, II, III, IV, AP

AP COURSES

- Biology
- Calculus AB
- Calculus BC
- Chemistry
- Computer Science A
- Computer Science Principles
- Economics
- English Language and Composition
- English Literature and Composition
- Human Geography
- Music Theory
- Physics C: Mechanics
- Psychology
- Spanish Language & Culture
- Statistics
- Studio Art
- American Government & Politics
- US History
- World History

DUAL ENROLLMENT

- American Sign Language
- An Economic Perspective
- Basic Design
- Bioscience
- College Algebra
- Culinary Arts
- Digital Photography
- Elementary Spanish I & II
- Engineering
- English Composition I & II
- Exploring Art & Visual Culture

- General Biology
- General Chemistry
- Healthcare Foundations
- History of the United States I & II
- Human Anatomy
- Intro to Human Anatomy
- Intro to Physics
- Intro to Politics
- Intro to Psychology
- Music Fundamentals
- Nursing Services I & II
- Nursing Service Clinical Lab I & II
- Nursing Services Skills Lab I & II
- Structure of Music
- Topics in College Math

CERTIFICATIONS

- ACF NOCTI Level 2
- Adobe Autodesk Certified User
- Adobe Certified Associate Photoshop
- Adobe Certified Associate Premier
- Biotechnician Assistant Credentialing Exam
- Certified Nursing Assistant
- CompTIA IT Fundamentals
- Emergency Medical Responder
- First Aid/CPR
- Food Handlers
- Licensed Nursing Assistant
- OSHA 10
- Paraprofessionals
- ServSafe® Food Management Certification

AMPHI ACADEMY

ONLINE

(520) 696-5356 | amphi.com/AmphiAcademy

ENGLISH LANGUAGE ARTS

- English Language Arts 9
- English Language Arts 10
- English Language Arts 11
- English Language Arts 12

MATHEMATICS

- Algebra I
- Geometry
- Intermediate Algebra
- Algebra II
- Pre-Calculus
- Financial Math
- Statistics

SCIENCE

- Biology
- Chemistry
- Physics
- Earth and Space Science
- Environmental Science

SOCIAL STUDIES

- World History
- US History
- Government
- Economics

LANGUAGE

- Spanish I, II, III

ELECTIVES

- Art History I
- Career Planning and Development
- Healthy Living
- Lifetime Fitness
- Psychology

SAMPLE COURSE SEQUENCE

The following is a suggested sequence of courses (22 credits) required to graduate.

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
English 4 Credits	English 9 or higher	English 10 or higher	English 11 or higher	English 12 or higher
Mathematics ¹ 4 Credits	Algebra 1 or higher	Geometry or higher	Algebra 2 or higher	Mathematics Elective higher than Algebra 2
Science 3 Credits	Biology or other science	Physics or other science	Chemistry or other science	
Social Studies 3 Credits	World History or higher		US History or higher	Economics/Government or higher
Physical Education ² 1 Credit	1 Physical Education course			
Pathway ³ 2-4 Credits	See Career Cluster, Pathways & Programs for requirements			
Electives ⁴ 3-5 Credits	Students will take additional electives to earn a total of 22 credits			

1 – The state requires that students must complete Algebra 2 or equivalent to graduate.

2 – Two (2) semesters of Marching Band or JROTC constitutes 0.5 credit physical education.

3 – To fulfill this graduation requirement, 1.0 credit must be earned in either CTE/JTED or Fine Arts.

4 – Many 4-year universities require 2 years of the same world language for admittance.

EARNING
COLLEGE
CREDIT IN
HIGH SCHOOL

ADVANCED PLACEMENT

Advanced Placement (AP) allows high school students to take college-level courses at their high school with the potential to earn college credit by receiving a passing score on the AP subject exam, as determined by the college.

	AHS	CDO	IRHS
AP Art & Design	●	●	●
AP Biology	●	●	●
AP Calculus AB	●	●	●
AP Calculus BC	●	●	●
AP Chemistry	●	●	●
AP Computer Science A	●	●	●
AP Computer Science Principles	●	●	●
AP Economics		● (Sem)	● (Sem)
AP English Language and Composition	●	●	●
AP English Literature and Composition	●	●	●
AP Environmental Science	●		
AP French Language & Culture	●	●	
AP German Language & Culture		●	
AP Human Geography			●
AP Music Theory	●	●	●
AP Physics C: Mechanics		●	●
AP Physics I	●		
AP Psychology	●	●	●
AP Spanish Language & Culture	●	●	●
AP Statistics	●	●	●
AP American Government & Politics	●	● (Sem)	● (Sem)
AP US History	●	●	●
AP World History		●	●

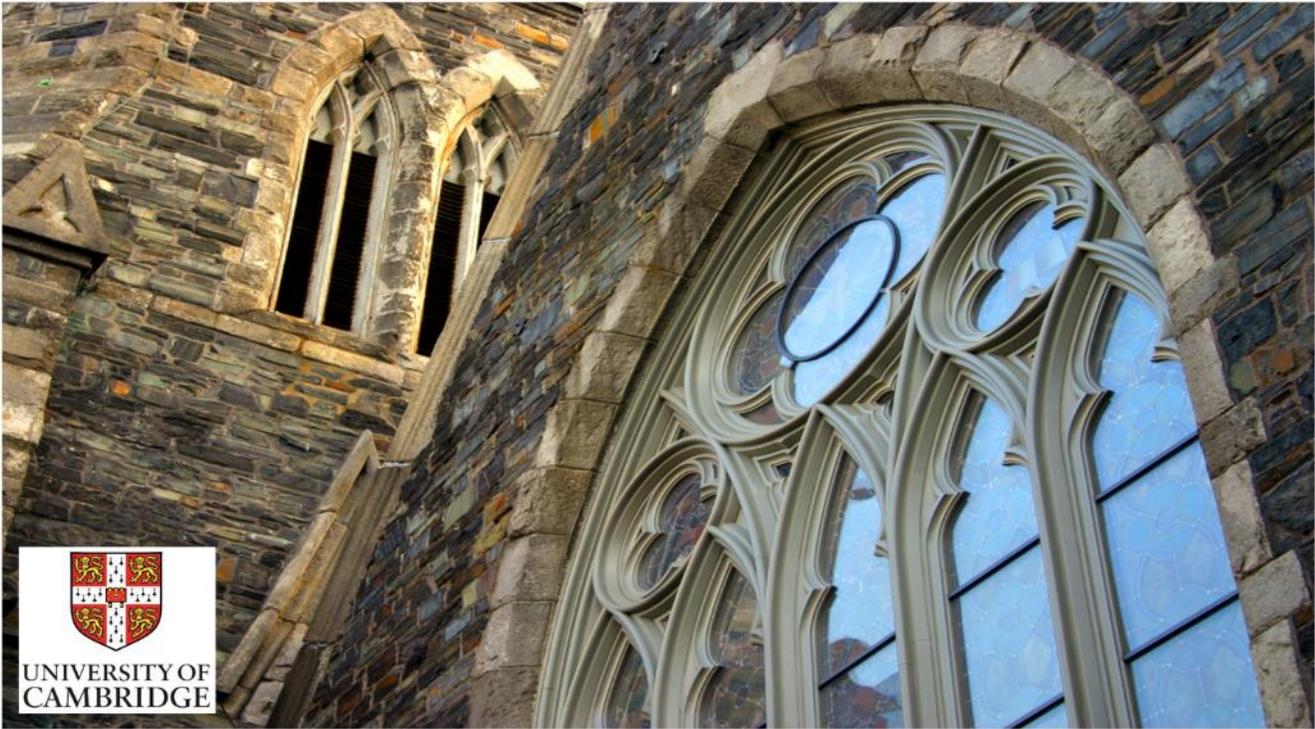
A AHS – Amphitheater High School

C CDO – Canyon del Oro High School

I IRHS – Ironwood Ridge High School

CAMBRIDGE ACADEMY

At Amphitheater High School



The Cambridge Academy helps students make the most of high school and allows them to customize their experience to support their goals and interests. Amphitheater High is the only school in Tucson to offer the program, which prepares students for opportunities to take advanced classes, earn college credit, graduate early and explore career and technical education. Students who complete The Cambridge Academy program, which is based on curriculum and assessments from the University of Cambridge, and pass the assessments earn a prestigious Grand Canyon High School Diploma.

The Grand Canyon Diploma is a high school diploma available to any Arizona student who demonstrates readiness for college-level mathematics, science, history, English, and fine art courses. Students qualify by passing a series of board examinations (Cambridge International exams) to show college readiness. Students can qualify for a Grand Canyon Diploma as early as the end of their 10th grade year. Students who earn a Grand Canyon Diploma are entitled to all the rights and privileges of a person who graduates with a traditional high school diploma.

DUAL ENROLLMENT

Dual enrollment allows high school students to take college-level courses at their high school through partnerships between Amphitheater Public Schools and Pima Community College (PCC) and the University of Arizona (UA). Students earn both high school and college credit by passing the class. *Online only

	AHS	CDO	IRHS
An Economic Perspective (PCC ECN 150)*			•
Architectural Drafting & Design (PCC)		•	
American Sign Language (UA SERP 370A, 370B)	•	•	•
Automotive Technology III (PCC AUT 100, 101, 105)		•	
Basic Design (PCC ART 100)			•
Bioscience (UA MCB 101 / MCB 102)		•	•
College Algebra (PCC MAT 151)			•
Construction Technology (PCC)		•	
Culinary Arts (PCC CUL 105, 115, 150, 160)		•	•
Digital Photography (PCC DAR 128)			•
Elementary Spanish I (PCC SPA 101)*			•
Elementary Spanish II (PCC SPA 102)*			•
Engineering 102 (UA ENGR 102)		•	•
English Composition I & II (PCC WRT 101 / PCC WRT 102)	•		•
Exploring Art & Visual Culture (PCC ART 105)			•
General Biology (PCC BIO 181 / PCC BIO 182)			•
General Chemistry (PCC CHM 151 / PCC CHM 152)			•
Healthcare Foundation (PCC HCA 100)			•
History of the United States I & II (PCC HIS 141 / PCC HIS 142)	•		•
Human Anatomy, Physiology, & Histology (PCC BIO 201 / PCC BIO 202)			•
Introduction to Human Anatomy & Physiology (PCC BIO 160IN)			•
Introductory Physics I (PCC PHY 121IN)			•
Introduction to Politics (PCC POS 100)			•
Introduction to Psychology (PCC PSY101)*			•
Introduction to Western Civilization I & II (PCC HIS 101 / PCC HIS 102)	•		
Music Fundamentals and Music Theory Review (PCC MUS 102 / PCC MUS 103)			•
Nursing Services I (PCC NRS 104 / PCC NRS 104LC)			•
Nursing Services I Clinical Lab (PCC NRS 104CL)			•
Nursing Services I Skills Lab (PCC NRS 104LS)			•
Nursing Services II (PCC NRS 105)			•
Nursing Services II Clinical Lab (PCC NRS 105CL)			•
Nursing Services II Skills Lab (PCC NRS 105LS)			•
Structure of Music & Aural Perceptions (PCC MUS 125 / PCC MUS 127)			•
Topics in College Math (PCC MAT 142)			•

INTERNATIONAL BACCALAUREATE (IB)

At Canyon del Oro High School



The International Baccalaureate (IB) Diploma Programme is a college preparatory program with a comprehensive and rigorous liberal arts curriculum, leading to examinations and/or component works externally assessed by IB at the end of each course. It is designed for the university-bound, academically-focused student, willing to engage in a challenging holistic curriculum during their last two years of high school.

Students choose from six subject groups. IB Diploma Programme courses are taken in grades 11-12. Students can choose between the full IB Diploma or IB Certificate Pathway. Note, prerequisites apply which are listed with each course description.

Full IB Diploma: In this option, students earn the full IB Diploma upon successful completion of their scheduled IB courses and associated core components. The core requirements are considered a cornerstone connecting all 6 subjects and are thus required to earn the full IB Diploma. The core includes:

1. Completing an interdisciplinary course called **Theory of Knowledge**
2. Completing an **extended essay** reflecting independent research
3. Completing a **CAS** portfolio (extracurricular activities that can be categorized as creativity, activity, and/or service).

IB Certificate Pathway: In this option, students take one to three IB courses if they choose not to take the full IB Diploma. The IB issues certificates and transcripts for courses students register for and take examinations in. Both options are additional recognition in addition to earning a CDO Diploma.

All IB classes are at the honors level at CDO. Students may be granted advanced placement status and/or college credit on the basis of IB course completion and how well they perform in each class. Information regarding the IB Diploma Programme is available from the IB Coordinator's office at Canyon del Oro. Contact: Amy Bomke, (520) 696-5592, abomke@amphi.com, or visit our school website in the Academic's section.

CAREER
CLUSTERS,
PATHWAYS &
PROGRAMS OF
STUDY

OFFERINGS AT A GLANCE

	AHS	CDO	IRHS
ARTS & LANGUAGE			
Dance	●	●	
Instrumental Music	●	●	●
Theater Arts	●	●	●
Visual Arts	●	●	●
Vocal Arts	●	●	●
World Languages	●	●	●
EDUCATION, HOSPITALITY, AND PUBLIC SERVICE			
Early Childhood Education	●	●	
Culinary Arts		●	●
Junior Reserve Officers' Training Corps (JROTC)	●	●	●
HEALTHCARE			
Nursing Services			●
Sports Medicine	●	●	●
SKILLED AUTOMOTIVE & CONSTRUCTION TRADES			
Automotive Diesel Technology	●		
Automotive Technology		●	
Construction Technologies		●	
Technical Theater	●	●	●
Welding Technologies	●		
STEM			
Agriscience	●		
Architectural Drafting & Design		●	
Bioscience		●	●
Digital Photography	●	●	●
Engineering		●	●
Film & TV Productions	●		●
Graphic Design			●
Graphic Design (YK)		●	
Music and Audio Production			●
Photo Design (YK)	●		●
Software & App Design	●	●	●
ADDITIONAL PATHWAYS AND PROGRAMS			
AVID Pathway	●		
Cambridge Academy	●		
IB Diploma Programme		●	
PCC AZ General Education Certificate			●

AGRISCIENCE

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

Future Careers

- Livestock Producer
- Veterinary Assistant
- Agriculture Educator
- Livestock or Food Inspector
- Veterinarian
- Animal Scientist
- Biologist



Summary A

Students will be prepared for entry-level jobs in the agriculture industry and to study agriculture science at a technical school or 2-year or 4-year college or university.

- Develop skills working with various species of livestock
- Acquire an understanding of plant and animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment
- Operate and manage aspects of livestock production, reproduction, health, and feeding
- Conduct research and study the agriculture industry, natural resource systems, agriculture mechanics, food sciences and more
- Study nutritional requirements of animals and nutritive values of animal feed materials

Requirements

Year 1

Agriscience I

Year 2

Agriscience II

Year 3

Agriscience III

Optional

Year 4

Agriscience IV

Agriscience SOE CTS199

Agriscience Internship

Credits

This pathway is a minimum of 3 years.

ARCHITECTURAL DRAFTING & DESIGN



Future Careers

- Architect
- Engineer
- Interior Designer
- Plans Examiner
- General Contractor
- Building/Safety Inspector

Requirements

Year 1

Architectural Drafting I

Year 2

Architectural Drafting II

Optional

Year 3

Architectural Drafting III*

Year 4

Architectural Drafting IV

Architectural Drafting
Internship

**Dual Enrollment PCC*

Summary

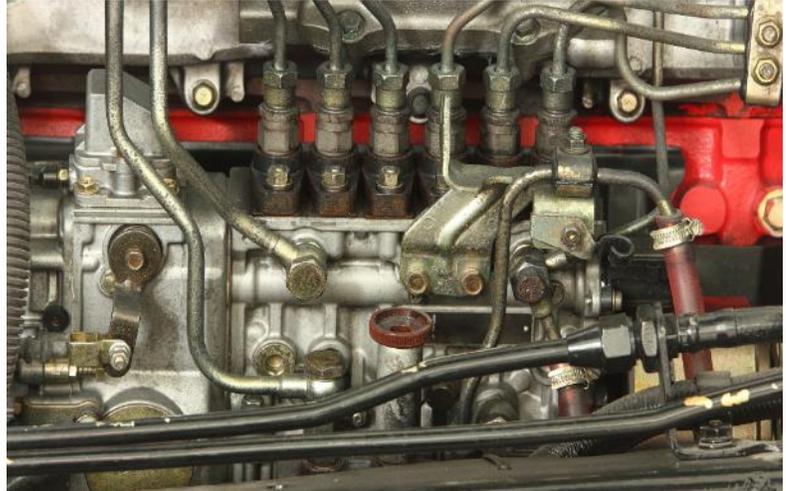
Students will be prepared for immediate employment in entry-level positions in the drafting industry and to continue to study at a technical school or 2-year or 4-year college or university.

- Learn techniques of sketching, drafting, computer aided drafting (CAD) programs, layout, design, blueprint interpretation, and all phases of drawing house plans
- Instruction in construction and structural design, architectural and engineering drawings, problem solving, and 3D architectural rendering
- Build 3D house models from wood and foam board along with designing and constructing various projects and other real-life projects
- Students can demonstrate their skills in regional, state, and national SkillsUSA competitions

Credits

This pathway is a minimum of 2 years.

AUTOMOTIVE DIESEL TECHNOLOGY



Future Careers

- Diesel Technician
- Automotive Technician
- General Maintenance Technician
- Heavy Vehicle & Mobile Equipment Service Technician
- Parts & Service Equipment Sales

Requirements

Year 1

Automotive Diesel I

Year 2

Automotive Diesel II

Year 3

Automotive Diesel III

Optional

Year 4

Automotive Diesel IV

Automotive Diesel Internship

Summary A

Students will be prepared for immediate employment in entry-level positions such as Lube Technician and Basic Technician and to continue to study at a technical school or 2-year or 4-year college or university.

- Learn techniques and skills of basic automotive care in the first year of the program, including tire mounting, tire balancing, cooling systems, brake replacement, and oil changes
- Learn to use advanced computer diagnostics to troubleshoot and repair modern auto-diesel systems
- Perform repair, service and preventive maintenance operations on auto-diesel engines, chassis, and powertrains
- Learn maintenance and repair of systems on medium-duty and heavy-duty equipment
- Students can demonstrate their skills in regional, state, and national SkillsUSA competitions

Industry Certifications

- OSHA 10 General Industry
- Safety and Pollution Prevention
- Student ASE (G1, A1-A8)

Credits

This pathway is a minimum of 3 years.

AUTOMOTIVE TECHNOLOGY

Future Careers

- Auto Service Technician
- Mechanic
- General Maintenance Technician
- Service Advisor
- Parts & Service Equipment Sales

Requirements

Year 1

Automotive Technology I

Year 2

Automotive Technology II

Year 3

Automotive Technology III *

Optional

Year 4

Automotive Technology IV

Automotive Technology Internship

**Dual Enrollment PCC*

Credits

This pathway is a minimum of 3 years.



Summary C

Students will be prepared for immediate employment in entry-level positions such as Lube Technician and Basic Technician and to continue to study at a technical school or 2-year or 4-year college or university.

- Learn all basic automotive techniques and skills including tire mounting, tire balancing, cooling systems flushes, brake replacement, and oil changes
- Receive instruction on basic and advanced engine fundamentals
- Demonstrate understanding of electrical circuitry in transportation applications
- Work-based learning instruction to advance knowledge in suspension and brakes
- Analysis of engine performance and drivetrain
- Students can demonstrate their skills in regional, state, and national SkillsUSA competitions

Industry Certifications

- OSHA 10 General Industry
- Safety and Pollution Prevention
- Student ASE (G1, A1-A8)



AVID

ABOUT

AVID—Advancement Via Individual Determination—fosters a safe and open culture, high expectations for teachers and students, and collaboration in all classrooms. With the appropriate postsecondary preparation and a focus on soft skills that businesses need, AVID students are ready to shape their path and change our world.



Summary A

AVID is a 4-course pathway that encourages and supports students on their quest to thrive in rigorous high school coursework as they prepare for college. Students focus on organizational skills, study skills, critical thinking, and learning how to ask probing questions. Students have the opportunity to receive academic help from peers and college tutors. AVID students participate in enrichment and motivational activities that help prepare them for college while also helping to improve their self-image as they become academically successful students, leaders in school, and role models for their peers.

All AVID elective students are required to participate in a school-sponsored sport, a school club, or to complete community service throughout the school year.

This pathway requires a special application process. Students should speak with a school counselor to learn more about this pathway.

Requirements

Year 1

AVID Elective

Year 2

AVID Elective

Year 3

AVID Elective

Year 4

AVID Elective

**Students must complete an AP, Cambridge, or dual enrollment course in grade 11 or 12*

Credits

This pathway is a minimum of 4 years.

BIOSCIENCE

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

Future Careers

- Physician
- Nurse
- Nurse Practitioner
- Molecular Biologist
- Laboratory and Crime Lab Technician
- Biochemist
- Biomedical Engineer
- Nuclear Medicine Physician
- Microbiologist
- Bioinformatics Scientist
- Zoologist
- Pharmaceutical Salesperson



Summary C I

Students will be prepared for college-level life science classes and employment in the Allied Health industries such as Lab Technician, Cell Biologist, and Pharmacologist.

- Learn how the world of bioscience is used in the medical, agricultural, and food industries
- Work with scientific instruments that are commonly found in a research laboratory
- Research genetic characteristics or expressions, isolate, analyze, and synthesize proteins, enzymes, DNA, and other molecules
- Develop skills making common laboratory solutions and research the effects of substances, such as drugs, hormones, bacteria, food plant, and cell cultures on tissues
- Explore bioscience careers, history, and applications of recombinant DNA technology
- Program will culminate with students conducting independent research projects that will be presented at regional science competitions

Requirements

Year 1

Bioscience I (weighted grade)*

Year 2

Bioscience II (weighted grade)*

Optional

Year 3

Bioscience III (weighted grade)*

Year 4

Bioscience Internship

**Dual Enrollment UA*

Industry Certifications

- OSHA 10 Healthcare
- BACE (Biotechnician Assistant Credentialing Exam)

Credits

This pathway is a minimum of 2 years.



CONSTRUCTION TECHNOLOGIES

SKILLED AUTOMOTIVE AND CONSTRUCTION TRADES



Future Careers

- Electrician
- Mason
- Carpenter
- Plumber
- Engineer
- Construction Manager
- Welder

Requirements

Year 1

Construction Technology I

Year 2

Construction Technology II

Optional

Year 3

Construction Technology III*

Year 4

Construction Technology IV

Construction Technology
Internship

**Dual Enrollment PCC*

Summary

Students will be prepared for immediate employment in entry-level positions in the construction industry and to continue to study at a technical school or 2-year or 4-year college or university. Students may acquire industry certifications and college credit during the program.

- Learn to safely use hand tools and power tools, and about staining/lacquering, estimating, carpentry, electrical, masonry, plumbing, sheet metal, and welding
- Gain experience in reading plans and developing skills through hands-on learning and application
- Complete small and large construction projects including playhouses, picnic tables, converting a mobile container to a home, and building a camping trailer
- Students can demonstrate their skills in regional, state, and national SkillsUSA competitions

Industry Certifications

- OSHA 10 Construction
- NCCER
- Adobe Autodesk Certified User

Credits

This pathway is a minimum of 2 years.

CULINARY ARTS

EDUCATION, HOSPITALITY, & PUBLIC SERVICE

Future Careers

- Prep Cook
- Line Cook
- Food Server
- Banquet/Catering staff
- Chef de Cuisine
- Executive Chef
- Pastry Chef
- Food and Beverage Manager
- Maitre d'



Requirements

Year 1

Culinary Arts I

Year 2

Culinary Arts II

Optional

Year 3

Culinary Arts III*

Year 4

Culinary Arts IV*

Culinary Arts Internship

**Dual Enrollment PCC*

Summary

Students will be prepared for immediate employment in entry-level positions in the field of Culinary Arts and to continue to study at a technical school or 2-year or 4-year college or university.

- Places an emphasis on teamwork and interpersonal skills, academics, technical skills, and requires adherence to dress, food sanitation, and safety codes
- Curriculum includes kitchen basics and culinary fundamentals such as safety and sanitation, basic food preparation, culinary nutrition, introduction to baking, workplace safety, hospitality management, front-and back-of-house operations, introduction to food cost and control, culinary math, menu writing, purchasing and inventory control and customer service
- Curriculum also includes commencement level math and English Language Arts
- All students are given the opportunity to participate in a work-based learning experience that includes an internship, which exposes them to real-world business operations and specific job duties related to culinary careers that connect to the skills and knowledge learned in the CTE classroom

Industry Certifications

- ServSafe® Food Management Certification
- ACF NOCTI Level 2

Credits

This pathway is a minimum of 2 years.



DANCE

Future Careers

- Choreographer/Director
- Lighting Designer/Set Designer
- Stage Management /Production Crew
- Company Managing/Administration
- Physical Therapist/Dance Movement Therapist
- Athletic Coach/Personal Trainer/Group Fitness Instructor
- Costume Designer
- Dance Teacher



Summary A C

Students will be prepared for immediate employment in entry-level positions in the arts industry and to continue to study at a 2-year or 4-year college or university.

- Beginning students will learn history, terminology, and technique in ballet, tap, modern, and various forms of jazz dance. Students will experience improvisation and performing on stage
- Intermediate dance students focus on technique, history, choreography, and performance of classical dance genres and contemporary dance genres
- Advanced students learn skills in dance and choreography in ballet, jazz, and modern dance. Students will teach combinations to the entire class and lead warm-ups when assigned. Students will experience improvisation and performing on stage
- Performance dance students will perform complex movement in ballet, jazz, lyrical, modern, and tap. Students will be required to choreograph, improvise, and understand the elements of dance production. This course is by audition only

Requirements

Year 1

Beginning Dance or Performance Dance (CDO)

Year 2

Intermediate Dance or Performance Dance (CDO)

Year 3

Advanced Dance or Performance Dance (CDO)

Optional

Year 4

Advanced Dance or Performance Dance (CDO)

Credits

This pathway is a minimum of 3 years.

DIGITAL PHOTOGRAPHY

Future Careers

- Portrait and Fashion Photographer
- Food Photographer
- Fine Art Photographer
- Art Director
- Gallery Owner
- Commercial/Advertising Photographer
- Digital Design

Requirements

Year 1

Introduction to Photography

Year 2

Photography

Optional

Year 3

Advanced Photography

Year 4

Digital Photo Internship



Summary A C I

Students will be prepared for immediate employment in entry-level jobs such as Photography Studio Assistant and Portrait Photographer and to continue to study photography at a 2-year or 4-year college or university.

- Create innovative photographs using professional cameras, computers, Adobe Photoshop and Lightroom (image editing software), studio lighting, and large format printers
- Develop and present a professional portfolio for review, critique, and publication
- Experience working for clients to design, produce, and publish photos
- Third year students run and show in the Noble Street Gallery, as well as produce gift shop items (CDO)

Industry Certifications

- Adobe Certified Associate Photoshop

Credits

This pathway is a minimum of 2 years.

EARLY CHILDHOOD EDUCATION

Future Careers

- Elementary/Preschool Teacher/Director (preschool thru grade 3)
- Speech Pathologist
- Pediatrician
- Nurse
- Child Psychologist
- Social Worker
- School Counselor



Summary A C

Students will be prepared for immediate employment in entry-level jobs such as a Childcare Assistant, Nanny, or Preschool Lead Teacher and to continue to study in a 2-year or 4-year college or university.

- Learn about the continuum of physical, sensory, social, emotional, cognitive, language, and literacy development of young children
- Design activities and establish practices promoting young children's overall development
- Master effective employability skills and professionalism in early childhood education
- Create, research, and provide developmentally appropriate learning materials and activities within our on-site preschool that make the activities fun and hands-on

Industry Certifications

- First Aid/CPR
- Food Handlers
- Paraprofessional

Requirements

Year 1

Early Childhood Education I

Year 2

Early Childhood Education II

Optional

Year 3

Early Childhood Education III

Year 4

Early Childhood Education IV

Early Childhood Education
Internship

Credits

This pathway is a minimum of 2 years.

ENGINEERING

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS



Future Careers

- Engineering Technician
- Biomedical Engineering
- Civil Engineering
- Computer Software Engineering
- Electrical Engineering
- Environmental Engineering
- Mechanical Engineering
- Robotics/Automation Engineering

Requirements

Year 1

Introduction to Engineering Design

Year 2

Year 3

Engineering 102*

Optional

Year 4

Engineering Internship

**Dual Enrollment UA*

Summary

Students will be prepared for employment in entry-level jobs as a Technician Assistant and to study engineering or related fields at a 2-year or 4-year college or university.

- Hands-on projects using the engineering design process, creative problem solving, and collaboration
- Introduction to a wide variety of engineering careers such as mechanical, software, architectural, civil/structural, electrical, chemical, environmental, and mining
- Learn computer modeling and solve real-world problems by applying math and physics

Industry Certifications

- Adobe Autodesk Certified User

Credits

This pathway is a minimum of 3 years.

FILM & TV PRODUCTION

Future Careers

- Film or Video Editor
- Radio or Television Broadcaster
- Sound Engineer
- Sound/Video Technician
- Broadcast Technician



Requirements

Year 1

Intro to TV/Video

Year 2

TV/Video Productions

Optional

Year 3

Advanced TV/Video Productions

Year 4

TV/Video Productions

Summary A I

Students will be prepared for immediate employment in jobs such as Professional Event Videography and internships, and to continue to study at a technical school or 2-year or 4-year college or university.

- Create movies, advertisements, and incredible special effects using professional software
- Watch and discuss film, television, and advertising as art and entertainment, and their place in society
- Star or work behind the scenes on the school's weekly announcements show
- Select the appropriate equipment, from the type of lens to the appropriate lighting
- Operate computer editing systems, video switching equipment, and digital video effects units to produce a final video product

Credits

This pathway is a minimum of 2 years.

Industry Certifications

- Adobe Certified Associate Premier

GRAPHIC DESIGN

Future Careers

- Graphic Designer
- Advertising Manager
- Magazine Editor
- Multi-media Artist
- Social Media Specialist
- Art Director
- Public Relations
- Marketing Specialist and Director
- Web Developer
- Software Applications Developer

Requirements

Year 1

Intro to Graphic Design

Year 2

Graphic Design II

Optional

Year 3

Graphic Design III

Year 4

Graphic Design IV

Graphic Design Internship



Summary I

Students will be prepared for immediate employment in entry-level jobs in the photography and graphic design industry and to study photography, graphic design, or journalism at a 2-year or 4-year college or university.

- Produce and design high-quality artwork using professional graphic design, layout, and photo editing software (Adobe Photoshop, InDesign, and Illustrator)
- Run a full-scale design firm and create advertising campaigns
- Usher a product from design to production
- Create product packaging and learn screen printing

Industry Certifications

- Adobe Certified Associate Illustrator

Credits

This pathway is a minimum of 2 years.

GRAPHIC DESIGN (YK)

Future Careers

- Graphic Designer
- Advertising Manager
- Magazine Editor
- Multi-media Artist
- Social Media Specialist
- Art Director
- Public Relations
- Marketing Specialist and Director



Summary C

Students will be prepared for immediate employment in entry-level jobs in the photography and graphic design industry and to study photography, graphic design, or journalism at a 2-year or 4-year college or university.

- Photograph school events, interview students and teachers, and write stories and captions for yearbook photographs
- Produce and design a high-quality yearbook using professional graphic design, layout, and photo editing software (Adobe Photoshop, InDesign)
- Manage the yearbook staff through leadership positions (Editor-in-Chief, Editor, Story Editor, Photo Editor)
- Promote the yearbook by creating advertising campaigns (posters, events, announcements)

Requirements

Year 1

Graphic Design I (YK)

Year 2

Graphic Design II (YK)

Optional

Year 3

Graphic Design III (YK)

Year 4

Graphic Design Internship

Credits

This pathway is a minimum of 2 years.

INSTRUMENTAL MUSIC

Future Careers

- Arts administrator
- Promoter, agent, manager, or producer
- Music director and composer
- Music teacher
- Broadcast and sound engineer
- Music industry publicist or public relations manager

Requirements

Year 1

Band, Guitar or Orchestra Course

Year 2

Band, Guitar or Orchestra Course

Optional

Year 3

Band, Guitar or Orchestra Course

Year 4

Band, Guitar or Orchestra Course

Music Theory

Credits

This pathway is a minimum of 2 credits.



Summary A C I

Students will be prepared for immediate employment in entry-level positions in the music industry and to continue to study at 2-year or 4-year college or university.

- **Band:** Beginning Band, Jazz Band, Symphonic Band, Percussion, Wind Ensembles and Marching Band are classes that will focus on the arts of wind and percussion music within a variety of band based genres. Each class will have a varying degree of difficulty and stylistic focus, but will share performance platforms through summative concerts in front of an audience.
- **Guitar:** Introduction to Guitar and Advanced Guitar. Students will learn strumming and finger-style techniques in various musical genres. The advanced course will explore advanced chord reading, soloing, and accompaniment. Students expand their repertoire and learn techniques for analyzing source material. Emphasis is on skill development and application of knowledge to new material.
- **Orchestra:** Concert Orchestra and Symphonic Orchestra. Educational emphasis is placed on the advancement of instrumental technique, further development of music reading and comprehension skills, independent musicianship, style, a deeper understanding of small group ensemble music, and orchestral literature. Students will study and perform literature from stylistic periods. Individual practice outside of school time is required.

JROTC

EDUCATION, HOSPITALITY, & PUBLIC SERVICE

About

The Caballero Jr. Reserve Officers' Training Corps (JROTC) program prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens.



Requirements

Year 1

JROTC

Year 2

JROTC

Optional

Year 3

JROTC

Year 4

JROTC

Summary



Our course provides instruction in citizenship, leadership, and a number of courses designed to help cadets succeed not only through high school but throughout their lives. Each of our students understands the importance of high school graduation and the educational and vocational opportunities of military service.

Our cadets develop mental management abilities, which include goal-setting, positive self-talk, and visualization. They gain a familiarity with the history, purpose, and structure of the military services with an emphasis on the accomplishments of the U.S. Armed Forces. And they learn how to develop effective team building skills.

Enrollment in and completion of the JROTC program in no way obligates a student to military service, however, it may be used to waive a portion of the Senior Army ROTC program or for appointment allocations set aside for JROTC Cadets from one of the Service Academies.

This unit is based at Flowing Wells High School. Transportation is provided.

Credits

This pathway is a minimum of 2 years.

MUSIC & AUDIO PRODUCTION

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS



Future Careers

- Music Producer
- Live Sound Engineer
- Recording Engineer
- Mixing Engineer
- Dialogue Editor
- Field Recordist
- Broadcast Engineer
- Sound Engineer

Requirements

Year 1

Music & Audio Production I

Year 2

Music & Audio Production II

Optional

Year 3

Music & Audio Production III

Year 4

Music & Audio Production
Internship

Summary

Students will be prepared for immediate employment in entry-level jobs in the film, broadcasting, and music production industries or music and audio production and continue to study at a 2-year or 4-year college or university.

- Intensive study of the history of sound recording and hands-on experience with studio equipment
- Students will apply technical knowledge and skills to the production of sound recordings as finished products or as components of film/video, broadcast, live, or mixed media production
- In-depth practical understanding of the three phases of the media creation process; pre-production, production, and post-production

Credits

This pathway is a minimum of 2 years.

NURSING SERVICES

Future Careers

- Nurse
- Certified Nursing Assistant (CNA)
- Licensed Nursing Assistant (LNA)
- Patient Care Technician
- Patient Care Assistant
- Caregiver

Requirements

Year 1

Healthcare Foundations A/B*

Year 2

Semester I
Nursing Services I*
Nursing Services I Clinical Lab*
Nursing Services I Skills Lab*

Semester 2
Nursing Services II*
Nursing Services II Clinical Lab*
Nursing Services II Skills Lab*

Optional

Year 3

Nursing Services Internship

*Dual Enrollment PCC

Credits

This pathway is a minimum of 2 years.



Summary 1

Students will be prepared for immediate employment in entry-level positions in nursing and to continue to study at a 2-year or 4-year college or university.

- Prepare students to perform routine nursing-related services for patients in hospitals or long-term care facilities under the training and supervision of a Licensed Practical or Registered Nurse
- Examine the healthcare community and roles and responsibilities of the healthcare team
- Demonstrate ethical and legal conduct, while applying standard precautions and infection control measures
- Apply principles of body mechanics, transporting, transferring, and basic emergency care
- Learn examination of human systems for common conditions, disorders, and care, measure and record vital signs while facilitating activities related to examination, and diagnostic testing
- Learn to identify behavioral health and social services needs and assist in care for the dying and their families

Industry Certifications

- Certified Nursing Assistant
- Licensed Nursing Assistant
- OSHA 10 Healthcare
- ServSafe® Food Management Certification
- ACF NOCTI Level 2

PCC GENERAL EDUCATION CERTIFICATE



About

Arizona General Education Curriculum - Arts (AGEC-A) courses meet freshman/sophomore general education requirements for UA, NAU, ASU and many other institutions, as well as the general education requirements for Pima's transfer degrees.

Summary

Students may pursue a pathway meeting arts (AGEC-A), business (AGEC-B) or science (AGEC-S) general education requirements. The AGEC-A and AGEC-B certificates can be completed entirely online.

Pima strongly recommends that students pursuing an AGEC, before transferring, also complete the corresponding Associate of Arts, Associate of Fine Arts, Associate of Business Administration or Associate of Science degree.

Credits

This pathway is a minimum of 2 years.

Requirements



AGEC-A Category Requirements

English Composition **
WRT 101 & WRT 102

[Humanities](#) and [Fine Arts](#)

One course from the Humanities list and one course from the Arts list.

[Biological & Physical Sciences](#)

Any two lab sciences courses from this category.

[Mathematics](#)

MAT 142, MAT 151, or any MAT course above 151.

[Social & Behavioral Sciences](#)

Any two courses from two different prefixes in this category.

[Other Requirements](#)

Complete 6 credits (2 courses) from any of the following areas:

Courses from the [Other Requirement Options](#) (up to 6 credits)

Course from the [Humanities](#) or [Fine Arts](#) lists (up to 3 credits)

Course from the [Social & Behavioral Sciences](#) list (up to 3 credits)

PHOTO DESIGN (YK)

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

Future Careers

- Photojournalist
- Graphic Designer
- Magazine Editor

Requirements

Year 1

Photo Design I (YK)

Year 2

Photo Design II (YK)

Optional

Year 3

Photo Design III (YK)

Year 4

Digital Photo Internship



Summary A I

Students will be prepared for immediate employment in entry-level jobs in the photography and graphic design industry and to study photography, graphic design, or journalism at a 2-year or 4-year college or university.

- Photograph at school events, interview students and teachers, and write stories and captions for yearbook photographs
- Produce and design a high-quality yearbook using professional graphic design, layout, and photo editing software (Adobe Photoshop, InDesign)
- Manage the yearbook staff through leadership positions (Editor-in-Chief, Editor, Story Editor, Photo Editor)
- Promote the yearbook by creating advertising campaigns (posters, events, announcements)

Credits

This pathway is a minimum of 2 years.

SOFTWARE & APP DESIGN

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS



Future Careers

- Computer Programmer
- Software Developer
- Web Developer
- Database Administrator
- Computer Support Specialist

Requirements

Year 1

Software & App Design I or AP Computer Science Principles

Year 2

Software & App Design II or AP Computer Science A

Optional

Year 3

Software & App Design Internship

Year 4

Software & App Design Internship

Summary

Students will be prepared for immediate employment in entry-level positions in the software development industry and to continue to study software development at a technical school or 2-year or 4-year college or university. Students may acquire industry certifications during the program.

- Develop skills that are adaptable across all careers, disciplines, and pathways - including medicine, engineering, and visual and performing arts. Having a fundamental understanding of computer science is critical in today's global economy.
- Classes mirror the collaborative and creative culture of the software and app design industry, engaging in problem-solving, teamwork, and user-centered design
- Develop websites, apps, and other projects based on personal interests and working with community partners
- Dual Enrollment and College Credit opportunities available

Industry Certifications

- CompTIA IT Fundamentals

Credits

This pathway is a minimum of 2 years.

SPORTS MEDICINE

HEALTHCARE

Future Careers

- Sports Medicine Physician
- Athletic Trainer
- Physical Therapist
- Occupational Therapist



Summary A C I

Students will be prepared for possible immediate employment working in a medical office, physical therapy clinic, or hospital in an administrative capacity and to continue to study at a 2-year or 4-year college or university.

- Engage through motion to learn, evaluate, and apply understanding of musculoskeletal and human anatomy as well as associated medical terminology
- Explore and investigate body systems, anatomy, perform and acquire a certification in First Aid/CPR, EMR, and taping
- Work side-by-side with an Athletic Trainer during after school athletic practices and competitions
- Refine hands-on skills and enhance professional knowledge while using critical and logical thought to learn how to evaluate athletic-related injuries
- Exciting internship opportunities to support athletic teams with your trainer and other industry professionals

Requirements

Year 1

Sports Medicine I/Healthcare Foundations

Year 2

Sports Medicine II

Optional

Year 3

Sports Medicine III

Year 4

Sports Medicine Internship

Credits

This pathway is a minimum of 2 years.

Industry Certifications

- OSHA 10 Healthcare
- First Aid/CPR
- Emergency Medical Responder

TECHNICAL THEATER

SKILLED AUTOMOTIVE AND CONSTRUCTION TRADES



Future Careers

- Sound or Lighting Technician
- Scenic Artist
- Costume Designer
- Set Designer
- Sound Engineering Technician
- Production Designer

Requirements

Year 1

Technical Theater I

Year 2

Technical Theater II

Optional

Year 3

Technical Theater III

Year 4

Technical Theater IV

Technical Theater Internship

Summary



Students will be prepared for immediate employment in entry-level jobs and to pursue training and education at a 2-year or 4-year college or university.

- Learn the fundamentals of how to put on a theatrical production
- Operate the school's digital stage equipment
- Design and build elements of scenery, props, costumes, sound, stage makeup, and lighting for the various performances
- Run various shows throughout the year in both the main stage and blackbox
- Operate equipment safely

Industry Certifications

- OSHA 10 Construction

Credits

This pathway is a minimum of 2 years.

THEATRE ARTS

Future Careers

- Professional Acting
- Playwriting
- Directing
- Stage Management
- Technical Theater
- Theatre Teacher/Coach
- Arts Administration
- Drama Therapy



Requirements

Year 1

Introduction to Drama
Musical Theater

Year 2

Intermediate Drama
Musical Theater

Optional

Year 3

Advanced Drama
Musical Theater

Year 4

Advanced Drama Symposium
(CDO)

Summary A C I

Students will be prepared for immediate employment in entry-level jobs and to pursue training and education at a 2-year or 4-year college or university.

- Provides a foundation for voice, movement, character development, and improvisation
- Students will improve their scene-building, improvisation, playwriting, and stage-management skills
- Explore acting and play performance including auditioning techniques, voice and diction, dialects, movement specialties, period acting, method acting, improvisation, and performance
- A strong, exceptionally independent but collaborative work ethic is expected
- Explore theater history, acting styles, and directors throughout history

Credits

This pathway is a minimum of 2 years.

VISUAL ARTS

Future Careers

- Art Director
- Art Therapist
- Artistic Director
- Cartoonist
- Computer Animation
- Fashion Designer
- Graphic Designer
- Illustrator
- Potter
- Sculptor
- Set Designer
- Tattoo Artist



Summary A C I

Students will be prepared for immediate employment in entry-level positions in the drafting industry and to continue to study at a technical school or 2-year or 4-year college or university.

- Gain knowledge and experience as artists by creating works of art with a variety of two-dimensional materials, processes, techniques, and styles
- Focus on composition, technique, concept, and personal voice through in-depth engagement in two-dimensional studio projects
- Create a portfolio and exhibit works publicly
- Instruction in basic elements and principles of structural design and sculptural techniques
- Gain knowledge and experience as artists by creating works of art with three-dimensional media using additive and subtractive processes
- Course work will focus on more detailed hand-building and wheel-throwing techniques
- Students develop technical and critical thinking skills, as well as encouragement to become creative and independent thinkers

Requirements

Year 1

Intro to Art 2D or 3D

Year 2

Intermediate Art 2D or 3D

Year 3

Advanced Art 2D or 3D

Optional

Year 4

AP Art & Design

Credits

This pathway is a minimum of 3 years.

VOCAL ARTS

Future Careers

- Singer
- Vocal Teacher
- Music Director
- Composer
- Voice Over Artist



Requirements

Year 1 - 4

Concert Choir or
Show/Beginning Choir

Year 2 -4

Show/Advanced Choir or
Women's Ensemble

Optional

Year 1 - 4

Musical Theater

Summary



Students will be prepared for immediate employment in entry-level positions in the music industry and to continue to study at a 2-year or 4-year college or university.

- Basics of singing in an ensemble
- Students will learn music theory, sight-reading skills, and three point harmony
- Show Choir produces choreographed numbers and students will also be performing Concert and Jazz style repertoire

Credits

This pathway is a minimum of 2 years.

WELDING TECHNOLOGIES

Future Careers

- Welder
- Fabricator
- Finishing Technician
- Welder-Fitter
- Mig Welder
- Robot Operator
- Braze Operator
- Machine Operator
- Spot Welder



Summary A

Students will be prepared for immediate employment in entry-level positions in the welding industry and to study welding or engineering at a technical school or 2-year or 4-year college or university.

- Apply technical knowledge and skills to join or cut metal surfaces
- Specialized instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards

Requirements

Year 1

Welding Technologies I

Year 2

Welding Technologies II

Optional

Year 3

Welding Technologies
Internship

Credits

This pathway is a minimum of 2 years.

WORLD LANGUAGES

Future Careers

- Translation/Interpretation
- Linguistics
- Diplomacy
- Civil Service
- Intelligence
- Law Enforcement
- Journalism/Broadcasting
- Logistics and Transportation
- Engineering/Technical
- Computer and Software Services
- Operations Management

Requirements

Year 1

Language I

Year 2

Language II

Optional

Year 3

Language III or Honors
Language III or IB Language
SL/HL

Year 4

Language IV or AP Language
IV or IB Language SL/HL



Summary A C I

Students will be prepared for immediate employment in entry-level positions and to continue to study at a 2-year or 4-year college or university.

- **American Sign Language:** ASL I, ASL II, ASL III, ASL IV
- **French:** French I, French II, French III or Honors French III, French IV, AP French Language, IB French SL/HL
- **German:** German I, German II, German III or Honors German III, AP German Language, IB German SL/HL
- **Spanish:** Spanish I, Spanish II, Spanish III or Honors Spanish III, Spanish IV, Advanced Spanish Conversation, AP Spanish Language, IB Spanish SL/HL, Spanish for Native Speakers I, Spanish for Native Speakers II
- Refer to the course descriptions to see which classes are offered on your campus

Credits

This pathway is a minimum of 2 years in the same language.

GENERAL INFORMATION

PLANNING AND SCHEDULING

COURSE AVAILABILITY

All courses and offerings listed in this catalog are subject to changes in availability based on interest expressed by the student body during the spring course selection period. It is likely that some courses mentioned in this catalog will not be held if the number of students requesting a course is low.

Although every effort is made to accommodate course requests, students may be required to select between courses that present a conflict within their schedule. If this occurs, students are encouraged to speak to their parents and seek advice from their school counselor to review options for resolving these issues.

PRE-REGISTRATION

Pre-registration for the next school year is held in early spring and students have a variety of choices in selecting their courses. Enrollment numbers are used to create the master schedule. Selecting courses during pre-registration should be done with reference to the student's Education and Career Action Plan (ECAP). Students are encouraged to seek teacher recommendations for proper level placement, as well as read the course descriptions and prerequisites described in this catalog to make informed decisions about the classes they are requesting. Parents and students need to understand, however, that there are some limitations:

- Some classes may not be offered as a result of insufficient enrollment.
- Some classes may be cancelled due to programmatic needs.
- Class schedules are typically determined by seniority of grade, e.g., seniors scheduled first, then juniors etc. As a result, freshmen may not receive their first elective choice.
- Some classes offer limited enrollment due to the facility, e.g., use of the weight room.
- At times, schedule conflicts are unavoidable when classes are offered only once or twice in the school day.
- Due to the limitations listed above, use of alternate course requests may be used for scheduling.

WALK-THRU REGISTRATION

In late July/early August, students complete the registration process commonly known as "Walk-thru Registration." At this time, students will receive a schedule of classes, a student ID, textbooks, and pay applicable fees.

LATE REGISTRATION

Students who enroll after the first ten (10) school days of the semester may not receive semester credit for classes without transfer grades from another school.

FEES

Some elective classes require a fee that is approved by the Governing Board. Fee waivers may be available to eligible students with administrative approval.

COURSE LOAD

Students must carry six (6) classes in their schedule each semester during their freshmen, sophomore, and junior years. Seven (7) is the maximum number of classes a student is allowed to carry. Students taking JTED programs may carry eight (8).

Seniors who have earned eighteen (18) credits and are on track for graduation must take a minimum of four (4) classes. Senior students with less than a full schedule **may not** have an open period within their class schedule and **will not** be allowed to remain on campus during unscheduled class time.

SCHEDULE CHANGES

Parents and students should be aware that there are limited opportunities for making changes to a student's schedule. Therefore, changes may not be possible.

Please note: Administration reserves the right to change student schedules at any time (e.g., leveling class size, etc.) without parent permission. Consideration for schedule changes will include:

Acceptable requests include:

- Administrator or teacher recommendation
- Student received credit for the class
- Student failed a class required for graduation
- Student did not complete prerequisite class(es)

Unacceptable requests include:

- Student prefers a different lunch
- Student prefers a different teacher
- Student prefers a class with a friend
- Student prefers classes in a different order

DROPPING & ADDING CLASSES

Students who wish to change their schedule must do so during times determined by the Counseling Department. The times are as follows:

- Schedules may be changed upon availability during the first full week of the school year. However, priority will be given to students with incomplete schedules and new student registration on the first and second days of the school year.
- Second semester course changes are encouraged to be made before Winter Break.
- The first five days of second semester, schedule corrections may be made based upon failing grades received from first semester.
- Students who drop a class after the first full week of the semester may receive a grade of "F" for the semester. The "F" will not be reflected on the student's progress report but will post on the student's transcript.

Academic schedule changes, including level changes, require parent permission and teacher input. **When registering for year-long classes, students are strongly reminded of the year-long commitment they are making to those classes.**

A student must continue to attend their scheduled classes until their new schedule has been processed by the counselor and Bookstore.

LEVEL CHANGES

It is imperative that students and parents choose classes carefully. If students are experiencing difficulty with placement in the rigorous curriculum of a particular class, students and parents will work with the teacher toward improvement.

Following the first full week of the school year, only teacher-initiated level changes may be allowed, provided the Problem-Solving Process has been followed.

PROBLEM-SOLVING PROCESS

It is expected that students and parents will work with the teacher when encountering difficulties. Requesting a schedule change should not be the first option. Schedule changes after the first full week of the semester will only be considered by administration if it has been documented that:

- The student is making a sincere effort to do the work in the class.
- The student is regularly making contact with the teacher in the classroom and during academic assistance to ask questions.
- The student and parents have worked with the teacher to understand the scope and nature of the problems causing difficulties.
- The student and parents have consulted with the counselor, so the counselor can offer general support and can talk to the teacher with the student.

If it is agreed upon that there has been consistent effort by, and communication between, the student, parent, teacher, along with the counselor, and yet no improvement in the situation is evident, then an administrator may deem that a schedule change is warranted.

NOTE: Student schedules will not be changed simply because the student's grade is lower than desired.

GRADE REPLACEMENT

A student may, at any time during high school, retake a course for grade replacement. The course must be identical to the course for which grade replacement is requested. Upon successful completion of the coursework resulting in a higher grade, the original grade will be removed and the new grade entered on the transcript. The Grade Point Average (GPA) shall only include the replacement grade. A notation on the transcript will indicate that the original grade was replaced. Please see the Registrar for the application.

CREDIT TRANSFER

There are many wonderful enrichment opportunities available outside of the District. Often, the credits from these programs will not transfer to your high school. If you are considering taking a class for high school credit outside of the District and you hope to use that credit towards your high school graduation, it is imperative that you check with your counselor prior to signing up for the class.

Amphitheater School District will accept:

- Credit granted from previously attended regionally accredited high schools
- Summer school credit from regionally accredited institutions **upon counselor approval**
- Credit from a District approved alternative or accredited online program **upon counselor approval**

Transcripts for transfer coursework must be received by the campus Registrar by May 1 of the student's senior year. The student *may not* be allowed to participate in commencement if the transcript is not received by May 1.

COURSE CREDIT/MIDDLE SCHOOL GRADES

A student who has attended an Amphitheater School District middle school will receive high school credit for Algebra I, Geometry, and/or Algebra II courses and high school level Spanish I and Spanish II courses taken during the student's middle school enrollment. The grades earned in such courses shall be posted on the student's high school transcript but shall not be included in grade point average calculations.

HIGH SCHOOL COURSES TAKEN AT NON-DISTRICT MIDDLE SCHOOLS THAT ARE PART OF A K-12 ACCREDITED SCHOOL DISTRICT

A student who has attended a Non-Amphitheater School District middle school that is part of a K-12 accredited school district will receive high school credit for Algebra I, Geometry, and/or Algebra II courses and high school level Spanish I and Spanish II courses taken during the student's middle school enrollment. The grades earned in such courses shall be posted on the student's high school transcript but shall not be included in grade point average calculations.

HIGH SCHOOL COURSES TAKEN AT NON-DISTRICT MIDDLE SCHOOLS THAT ARE NOT PART OF A K-12 ACCREDITED SCHOOL DISTRICT

Because instructional content, standards, and practices may vary in external instructional programs, and to assure adequate preparation of students for higher level content within the District, a student who attended a Non-Amphitheater School District middle school that is not part of a K-12 accredited school district and who, during the external middle school enrollment, completed courses equivalent in content and rigor to high school level courses in Algebra I, Geometry, Algebra II, Spanish I and Spanish II, will receive high school credit and a recorded grade on their high school transcript for such courses taken during the student's middle school enrollment, provided the student demonstrates adequate mastery of the course content. The grades earned in such courses shall be posted on the student's high school transcript but shall not be included in grade point average calculations.

The student will demonstrate adequate mastery through an end-of-course assessment in the content area with a resulting score of eighty percent (80%) or better. The end-of-course assessment shall be developed and administered by a District teacher(s) who is (are) secondary certificated and is (are) highly qualified in the content area. The District shall not assess a fee for the administration of the end-of-course assessment.

Students who do not demonstrate content mastery by achieving a score of eighty percent (80%) or better on the assessment will not receive credit for the high school course taken in middle school, nor will the grade in the high school course taken in middle school be included in the student's high school grade point average calculation.

The eighty percent (80%) score criteria may be modified, and high school credit may be given, to individual students approaching the eighty percent (80%) criteria if consensus is reached among appropriate faculty members representing the District high school and the sending middle school consistent with the Cognia standards.

ALTERNATIVE EDUCATION OPPORTUNITIES

MESA DIGITAL LEARNING PROGRAM

Mesa Digital Learning is an online program allowing students to earn credit toward graduation requirements. Classes may be taken during the school day. Admittance to this program is by counselor referral only.

SUMMER SCHOOL

Summer school classes may be taken to recover credit for a failed class or to make room in a schedule for additional classes. The student's counselor *must* be consulted prior to summer school enrollment in order to ensure proper placement.

PATH @ Amphitheater High School

The Personalized Alternative Track High School (PATH) Lab will be offered to students at Amphitheater High School who will be participating in the Alternative Education Program. The PATH Lab will allow students the opportunity to recover credits through the use of online curriculum and direct instruction. The lab will be similar to our Math Lab that we currently use at all three high schools. The PATH Lab will use online curriculum provided by Edgenuity, our current online curriculum vendor. The direct instruction will be provided by current Amphitheater High School teachers. This blended learning approach will allow students the flexibility of working at their own pace while being given the support and expertise of highly qualified teachers. This model has been proven to be successful at all three high schools.

ADVANCED COURSEWORK

ADVANCED PLACEMENT (AP) COURSES

The Advanced Placement (AP) Program has enabled millions of students to take college-level courses and earn college credit while still in high school. AP Exams are given in May. Students who earn a qualifying score on an AP Exam are typically eligible to receive credit, placement into advanced courses, or both, in college.

AP courses are designed to challenge students who demonstrate a consistent record of outstanding academic achievement. Rich course material, vibrant classroom discussions and demanding assignments help students develop the content mastery and critical thinking skills that are expected of college students.

In Amphitheater School District, students who enroll in AP courses are expected to take the AP Exam. Scholarships are available to offset the cost of AP Exam fees for families in financial need.

CAMBRIDGE ACADEMY

The Cambridge Academy is a series of classes that are offered to Amphitheater High School's 9th and 10th grade students. These courses have typically been termed "Pre-Advanced Placement" or "Honors". The Cambridge Academy offers rigorous coursework that is based on the University of Cambridge International General Certificate of Secondary Education (IGCSE) Curriculum. This curriculum is the world's most popular international curriculum for 14 to 16 year olds and is globally recognized and valued by American Universities. Amphitheater High School is using this curriculum with 9th and 10th grade students to ensure that they will be prepared for Advanced Placement classes and have the option of accepting the Grand Canyon Diploma.

DUAL ENROLLMENT COURSES

Dual enrollment allows high school students to take college-level courses at a reduced cost at their high school through partnerships between Amphitheater Public Schools and Pima Community College and the University of Arizona. Students earn both high school credit and college credit by passing the class.

HONORS COURSES

Honors courses are designed to challenge students who wish to apply to highly competitive colleges and universities. Students are expected to use independent learning and study skills, and complete additional projects presented by the instructor. Students should consult a school counselor before enrolling in honors courses.

INTERNATIONAL BACCALAUREATE (IB) COURSES

With a goal of developing inquiring, knowledgeable, and caring young people who help to create a better and more peaceful world through intercultural understanding and respect, the International Baccalaureate (IB) Programme offers challenging programs of international education and rigorous assessment.

GRADING AND EVALUATION

GRADING

For the purpose of determining the grade point average of students, the following scale will be issued:

A = 4, B = 3, C = 2, D = 1, and F = 0.

Amphitheater Public Schools recognizes that some courses are designed to be more challenging. As a result, some courses receive weighted grades. The weighted grade scale is: A = 5, B = 4, C = 3, D = 2, and F = 0.

Advanced Placement (AP), Cambridge Academy, Dual Enrollment, Honors, and International Baccalaureate Programme (IB) courses carry weighted grades. *Please note, colleges and universities may consider the unweighted or weighted grade point average for admittance.*

GRADE POINT AVERAGE/CLASS RANK

Grade point average and class rank are computed beginning with the fall of the freshman year and each semester thereafter through the seventh semester. Both weighted and unweighted GPA are computed. Ranking is computed based on the weighted GPA.

EARLY GRADUATION

Students who meet graduation requirements at the end of the sixth or seventh semester are eligible to graduate and will receive their diploma at the end of the school year. These students may participate in graduation exercises at that time. Any student wishing to graduate early must obtain a petition from the Counseling Office. Early graduation petitions may not be requested prior to the beginning of the year the student wishes to graduate. His/her parent, counselor, and principal must approve the student's petition.

EXTRACURRICULAR ACTIVITIES

The primary function of this school district is to support student academic achievement. In pursuit of that goal, the District recognizes that a well-rounded educational experience includes extracurricular interests and athletic activities. However, academics must take priority, therefore, the District and its schools have set eligibility requirements for student participation in extracurricular pursuits.

Students who fail to maintain academic qualification for extracurricular participation will be suspended from that activity until academic eligibility is attained. Students who violate District and/or school rules, particularly where student and school safety may be affected, may be summarily removed from participation in extracurricular programs and activities. Please refer to your student's school handbook for further information regarding extracurricular activities' academic and behavioral expectations. For students in grades 7-12, very detailed rules apply and are available through your school, coach or activity sponsor.

ARIZONA INTERSCHOLASTIC ACTIVITIES ELIGIBILITY

The Amphitheater Governing Board has these eligibility requirements for students that participate in Arizona Interscholastic Activities (AIA). The AIA requirements include:

- Seniors must be enrolled in a minimum of four classes.
- Freshmen, sophomores, and juniors must be enrolled in a minimum of five (5) classes.
- Students must not receive a failing grade at specified grade checks.
- Students must have a "C" average at specified grade checks. Calculations include core and elective classes.

These AIA and District requirements should be used to guide parents and students in selecting courses.

Additionally, the Governing Board requires students to maintain good attendance and behavior. Students with excessive absences or disciplinary infractions, as defined by both the school and/or District, may be ineligible.

NCAA FRESHMAN - ELIGIBILITY STANDARDS

Students interested in competing in athletics at the college level should be knowledgeable about the National Collegiate Athletic Association (NCAA) eligibility standards and be cleared for eligibility in the spring of the junior year. Please review the requirements below and speak with your counselor or Athletic Director if you have any questions.

Core Courses

The following table shows the core courses students must take to be eligible to compete at a Division I or a Division II college:

DIVISION I	DIVISION II
16 Core-Course Rule	16 Core-Course Rule
<u>16 Core-Courses:</u>	<u>16 Core-Courses:</u>
4 years of English	3 years of English
3 years of mathematics (Algebra I or higher)	2 years of mathematics (Algebra I or higher)
2 years of natural/physical science (1 year of lab if offered by high school)	2 years of natural/physical science (1 year of lab if offered by high school)
1 year of additional English, mathematics or natural/physical science	3 years of additional English, mathematics or natural/physical science
2 years of social science	2 years of social science
4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)	4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)

Please verify that core courses taken are listed on the NCAA Eligibility Center's website at [HTTPS://WEB1.NCAA.ORG/HSPORTAL/EXEC/HOMEACTION](https://web1.ncaa.org/hportal/exec/homeaction).

Note: Non-traditional instructional programs (i.e., online classes) may not qualify for NCAA eligibility.

Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- To be eligible to compete at the Division I level, a student must fulfill certain GPA and test score requirements. As a student's GPA rises, the SAT/ACT score needed to qualify lowers.
- To be eligible to compete at the Division II level, a student must have at least a GPA of 2.0.

Test Scores

- Division I test score requirements differ depending on the student's core course GPA.
- The minimum SAT score requirement to qualify for a Division II college is an SAT combined score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA eligibility includes only the reading and math sections. The ACT score is a sum of the four sections on the ACT: English, mathematics, reading, and science.
- All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Please use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center. Test scores that appear on transcripts will not be used.

For additional information regarding athletic eligibility, please visit the NCAA Eligibility Center website at [WWW.ELIGIBILITYCENTER.ORG](http://www.eligibilitycenter.org).

GRADUATION REQUIREMENTS

Students must earn the total number of credits and pass the American Civics Test, complete CPR training and Financial Literacy/Personal Financial Management, and fulfill the ECAP. Below are specific requirements; the balance of credits are to be selected from elective courses for a minimum of 22 credits.

Students are encouraged to take six classes each year to be best prepared for college and career options.

Courses	Credit Requirement
English	4.0 credits
Mathematics (Algebra I, Geometry, Algebra II and a 4 th year math)	4.0 credits
Science	3.0 credits
Social Studies (World History, US/AZ History, American Government [0.5 credit], Economics [0.5 credit])	3.0 credits
*Physical Education	1.0 credit
**Career and Technical Education or Fine Arts	1.0 credit
Elective Courses	6.0 credits
TOTAL CREDITS	22.0 credits
<i>ECAP</i>	<i>Requirement Fulfilled</i>
<i>American Civics Test</i>	<i>Passing Score Required</i>
<i>CPR</i>	<i>Requirement Fulfilled</i>
<i>Financial Literacy/Personal Financial Management</i>	<i>Requirement Fulfilled</i>

* Two (2) semesters of Marching Band or JROTC constitutes 0.5 credit physical education.

** To fulfill this requirement, 1.0 credit must be earned in either CTE/JTED or Fine Arts.

COLLEGE COMPETENCY REQUIREMENTS

Four-Year University Admission In-State

Students planning to attend a university are encouraged to consult the college admissions representative concerning admission requirements, merit-based scholarships, honors college admission, and financial aid.

For a complete list of requirements by university, click on the Arizona Board of Regents WWW.AZREGENTS.EDU.

The college preparatory requirements for Arizona universities include the following courses and are subject to change:

Arizona Board of Regents (ABOR) Competency Requirements	
English	4.0 credits
Mathematics (Algebra I, Geometry, Algebra II and advanced math for which Algebra II is a prerequisite)	4.0 credits
Laboratory Science (Arizona Board of Regents approved courses)	3.0 credits
Social Studies (including American History)	2.0 credits
Modern Language (two credits of the same language)	2.0 credits
Fine Arts or CTE /JTED	1.0 credit

PRIVATE AND OUT-OF-STATE COLLEGES AND UNIVERSITIES

Students interested in attending private and out-of-state colleges should consult college websites for information regarding application deadlines and admission requirements. This process begins early in the high school career and is supported by the Education and Career Action Plan (ECAP) activities.

ADDITIONAL REQUIREMENTS

EDUCATION AND CAREER ACTION PLAN (ECAP)

"Effective for the graduating class of 2013, schools shall complete for every student in grades 9-12 an Arizona Education and Career Action Plan." (R7-2-302.05) "An ECAP reflects a student's current plan of coursework, career aspirations, and extended learning opportunities in order to develop the student's individual academic and career goals. Ideally, the initial plan will be developed in middle school and updated on a yearly basis throughout high school and the postsecondary years." (Arizona Department of Education)

The Amphitheater School District supports the use of our online program, Major Clarity, to help students build their ECAP's. The student and parent accounts may be created at any time with access to it at any time via the internet. Please refer to the counseling web page for more information.

ACT Aspire / ACT

ACT Aspire is the statewide high school achievement test, which will be administered to students in Grade 9. The Aspire test assess students' readiness in five areas covered by the ACT test: English, math, reading, science and writing. Beginning in spring 2022, this test will replace the AASA (formerly AZMerit).

ACT is the statewide high school achievement test, which will be administered to students in Grade 11. The ACT test covers five academic skill areas: English, mathematics, reading, scientific reasoning and writing. Beginning in spring 2022, this test will replace the AASA (formerly AZMerit).

AMERICAN CIVICS TEST

In 2015, the Arizona legislature passed the American Civics Act (House Bill 2064). This bill will require students to pass a civics test based on the United States Immigration and Naturalization civics questions. Students will be required to score 60% or higher in order to graduate from high school.

AZSCI

AZSCI is a standards-based assessment that measures student proficiency of the Arizona Academic Content Standard in Science. A passing score on AzSCI is not required for graduation.

CARDIOPULMONARY RESUSCITATION (CPR)

The State of Arizona Senate Bill 1137 states that school districts shall provide public school pupils with one or more training sessions in Cardiopulmonary Resuscitation (CPR), through the use of psychomotor skills in an age-appropriate manner, during high school.

FINANCIAL LITERACY/PERSONAL FINANCIAL MANAGEMENT

The State of Arizona Senate Bill 1184 states that school districts shall provide public school pupils with financial literacy and personal financial management instruction during the Economics course.

ACADEMIC HONORS

SCHOLARS PROGRAM

The Scholars Program has rigorous academic demands such as extensive reading, analytical writing, long-term projects, and/or challenging lab experiences, as well as high expectations. The courses are designed for the self-motivated student who is an independent learner and requires little teacher direction or repetition to master difficult material. Scholar classes are defined as; any core academic class with the word "Honors" in the course name, any class with a weighted grade, any dual enrollment class taken on school campus, and any math class accelerated at least one grade level. The typical grade level begins with Algebra I in the freshman year.

Students who meet the Scholars Program requirements will receive special recognition during Senior Honors Night.

Requirements:

- Overall weighted GPA of 3.5 or higher
- Successful completion of 12 or more Scholars Program classes during high school career

ACADEMIC LETTER

An Academic Letter is available to juniors and seniors who meet GPA requirements while taking Scholars' classes. Applications are available at the beginning of each semester.

Requirements:

- Overall weighted GPA of 3.5 or higher
- Weighted GPA of 3.5 or higher for the semester in which the letter is awarded
- Two or more "Scholars' Classes" taken in the semester for which the letter is awarded

SEAL OF EXCELLENCE

In recognition of outstanding achievement, each department has established criteria for Seals of Excellence which are awarded senior year. Students should be aware that criteria for a Seal of Excellence applies to courses and grades earned from grade 9 through grade 12. It is recommended that students check the application process in their freshman year so that all requirements may be met by the end of their senior year. Seals of Excellence are offered for: AVID, CTE/JTED, English, Fine Arts, Math, Physical Education, Science, Social Studies, and World Languages.

STATE SEAL OF PROFICIENCY

SEAL OF ARTS PROFICIENCY

The State Seal of Arts Proficiency is awarded to Arizona graduates who complete an arts pathway. The seal is meant to recognize mastery of Arizona arts education standards, cultivate artistic literacy and skills for 21st century success, promote increased access to well-rounded, high quality arts education, and prepare students for college and career readiness including active participation in the creative industries sector. For eligibility requirements, please ask your counselor or check the [ADE WEBSITE](#).

SEAL OF BILITERACY

The Arizona Seal of Biliteracy Program recognizes high school students who achieve proficiency in English plus at least one additional language. The seal is placed on the student's diploma and noted on the transcript. For eligibility requirements, please ask your counselor or check the [ADE WEBSITE](#).

HONORS SOCIETIES

NATIONAL HONOR SOCIETY (AHS, CDO, IRHS)

The National Honor Society recognizes academic excellence, character, leadership, and service among high school students. Activities of the organization primarily focus on service activities at your high school and in the community. For more information, please contact your school's sponsor:

AHS - Ellis Harper EHARPER@AMPHI.COM

CDO - David Alzner DALZNER@AMPHI.COM and Kerry Ettenger KETTENGER@AMPHI.COM

IRHS - Mark Pincus MPINCUS@AMPHI.COM

NATIONAL TECHNICAL HONOR SOCIETY (AHS, CDO, IRHS)

NTHS is the acknowledged leader in the recognition of outstanding student achievement in career and technical education. NTHS encourages higher scholastic achievement, cultivates a desire for personal excellence, and helps top students find success in today's highly competitive workplace. For more information, please contact your school's sponsor or counselor:

AHS – Stileda Rose SROSE@AMPHI.COM or Erin Quigley EQUIGLEY@AMPHI.COM

CDO – Carrie Bakken CBAKKEN@AMPHI.COM

IRHS – Stephanie Johnson (previously Levy) SLEVY@AMPHI.COM

RHO KAPPA NATIONAL SOCIAL STUDIES HONOR SOCIETY (IRHS)

In order to be eligible for Rho Kappa, students must complete three social studies classes, have a 3.0 or higher in these classes, and a minimum of a 3.0 GPA overall. To become a member of Rho Kappa, a student must write a two-page essay once they are formally invited for meeting the requirements.

Sponsor: Amanda Stoxen ASTOXEN@AMPHI.COM

TRI-M® MUSIC HONOR SOCIETY (CDO)

The Tri-M® Music Honor Society is the international music honor society for middle/junior high and high school students. It is designed to recognize students for their academic and musical achievements, reward them for their accomplishments and service activities, and to inspire other students to excel at music and leadership. Tri-M student members must be enrolled in at least one music class for at least one semester, have a 2.0 GPA in their core classes, and a 3.0 in their music class(es), and be of strong character. Sponsors:

Ranee Schmuker (Band) RSCHMUKER@AMPHI.COM

Brandi Dignum (Choir) BDIGNUM@AMPHI.COM

Toru Tagawa (Orchestra) TTAGAWA@AMPHI.COM

ADDITIONAL PROGRAMS AND SERVICES

CAREER AND TECHNICAL EDUCATION CTE/JTED PROGRAM

The CTE/JTED Program provides students with expanded course opportunities for college and career readiness following high school graduation. CTE courses are offered during the school day on each campus. JTED offers courses in the afternoon and evening hours at other locations throughout Pima County. Upon successful program completion, students may receive high school credit, certification in their field, and/or college credit depending on program specifications.

Please see the CTE/JTED counselor in the Counseling Office for additional information.

STUDENT SERVICES

The Student Services department oversees services and supports for students who qualify to receive special education services under the Individuals with Disabilities Education Act (IDEA) or who need accommodations through Section 504. Our school district offers the full continuum of services to support eligible students. The school team including educational professionals, the student and parents or guardians collaborate on the process to determine eligibility, possible placement, services, supports or accommodations to support the student. If you feel your student may qualify to receive special education services or may be eligible for accommodations through a 504 plan, please contact their school for more information.

REACH PROGRAM FOR GIFTED STUDENTS

Eligibility: Students who score at or above the 97th percentile on any Arizona state-approved test for gifted identification qualify for gifted services.

REACH Gifted Services at the high school level include:

- 9th and 10th grades—Push-in lessons into Honors, Cambridge, and AP classes on gifted topics, as well as future planning
- 11th and 12th grades—REACH Honors Seminar and REACH Honors Capstone with differentiation for gifted learners
- Seminars on a range of topics of importance to gifted teens
- Support for students, parents, and staff

Students who have been identified gifted in previous grade levels do not need to be re-tested.

Students who have participated in gifted programs outside Amphitheater schools may qualify for REACH Gifted Services; please contact the REACH Teacher/Gifted Specialist.

Students who would like to test for gifted services may get a Permission to Test form online and turn it in to the REACH Teacher/Gifted Specialist. Get the form [here](#).

ENGLISH LANGUAGE DEVELOPMENT - ELD

The English Language Development Program is a program which assists students in the acquisition of the English language.

The program goals are to support the limited English proficient students as they become independent learners. Students focus on verbal, reading, and writing skills in ELD classes as well as through accommodations made by classroom teachers for ELD students enrolled in regular classes.

The ELD program is designed to meet students' academic, cognitive, and affective needs as they move toward full participation in mainstream classrooms with eventual exiting of the ELD program. Placement is determined by evaluation on the Arizona English Language Learner Assessment (AZELLA). Students are monitored for progress and advancement throughout the year.

CHRONIC HEALTH

The Chronic Health program is for students with a chronic health condition—as certified by a physician—who are unable to attend classes regularly (per attendance policy) due to an illness or accident. Forms, to be filled out by the physician, must be obtained through the Health Office.

HOMEBOUND

Students with a serious health condition preventing them from attending school on a regular basis may continue their education through Homebound services. A doctor's statement is required verifying a student will not be able to attend school for at least 60 consecutive days.

A Homebound instructor will see the student in his/her home to provide instruction. Not all courses offered can be offered within Homebound schooling. For additional information, contact the Health Office.

COURSE DESCRIPTIONS

ARTS COURSES

ART

Course: ART001A/ART001B		Introduction to Art 2D	
Grade: 9-12	Semester/Year	Course offered at: AHS CDO IRHS	
Prerequisites: <i>None</i>			
<p>Introduction to Art 2D is a-course in which students will learn the basic elements and principles of art and design. Students will gain knowledge and experience as artists by creating works of art with a variety of two-dimensional materials, processes, techniques, and styles, as well as presenting their works in art shows. Content may include value, life, and perspective drawing as well as painting. In this course, students will...</p> <ul style="list-style-type: none"> • Be introduced to the skills and materials used in art • Study drawing, printmaking, painting, and some mixed media • Use art to reinforce the skills of reading, writing, and solving math problems • Use logical thinking skills to plan for and realize your art 			Fee required

Course: ART002A/ART002B		Intermediate Art 2D	
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: <i>Introduction to Art 2D (teacher approval)</i>			
<p>Intermediate Art 2D is a second year course designed for students interested in continuing the study of two-dimensional design in greater depth and scope. Students will build upon foundational skills and knowledge gained from previous art classes.- In this course, students will...</p> <ul style="list-style-type: none"> • Expand understanding of the elements and principles of art and design • Explore and produce more challenging works of art • Develop a personal style • Study a variety of media 			Fee required

Course: ART003A/ART003B		Advanced Art 2D	
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: <i>Intermediate Art 2D (teacher approval)</i>			
<p>A third and-fourth year that provides students with an opportunity to develop 2-D skills through materials and processes and to create artwork that reflects personal styles and skills. In this course, students will...</p> <ul style="list-style-type: none"> • Further develop skills in composition, technique, concept, and personal voice • Engage in two-dimensional studio projects • Create and maintain an art portfolio • Exhibit works publicly 			Fee required

Course: ART004A/ART004B		Introduction to Art 3D
Grade: 9-12	Semester	Course offered at: AHS CDO IRHS
Prerequisites: None		
<p>Three-dimensional art is created by manipulating polygon masses and molding them into objects, characters, and scenes. Introduction to Art 3D will help students develop the basic elements and principles of structural design and sculptural techniques. In this course, students will...</p> <ul style="list-style-type: none"> • Focus specifically on working with clay. • Practice clay techniques, such as hand-building, slab building, coiling, throwing, extruding and slip casting. • Create art and practice the artistic process. 		Fee required

Course: ART006A/ART006B		Intermediate Art 3D
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Introduction to Art 3D (teacher approval)		
<p>Intermediate Art 3D is designed to provide students with greater depth and scope, as they continue their work with 3-dimensional art. Students will build upon foundational skills and knowledge gained from previous art classes. In this course, students will...</p> <ul style="list-style-type: none"> • Continue working with clay to create more elaborate 3D designs • Further develop clay techniques, such as hand-building, slab building, coiling, throwing, extruding and slip casting • Create art and practice the artistic process 		Fee required

Course: ART007A/ART007B		Advanced Art 3D
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Intermediate Art 3D (teacher approval)		
<p>A third and fourth year course focused on improving composition, technique, concept, and personal voice through in-depth engagement in three-dimensional studio projects. Students will be expected to create a portfolio and exhibit works publicly.</p> <ul style="list-style-type: none"> • Further develop skills in composition, technique, concept, and personal voice • Engage in three-dimensional studio projects involving clay • Create and maintain an art portfolio that demonstrate proficiency in a variety of techniques and subject matter • Exhibit works publicly 		Fee required

Course: ART009A/ART009B		AP Art and Design (formerly Studio Art)
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: High academic achievement recommended and instructor approval		
<p>AP studio Art is for the highly motivated student who would like to pursue a career in Fine Arts. Students will be encouraged to become creative and independent thinkers as they grow and develop as artists. In this course, students will...</p> <ul style="list-style-type: none"> • Develop technical and critical thinking skills • Complete a drawing or 2D design portfolio exhibiting knowledge of the visual arts • Include 29 pieces of art over the course of the year to include the sections of quality, concentration, and breadth • For more information on this class, please visit the AP site <p>This course carries a weighted grade.</p>		Fee required

BAND

Course: MUSo30A/MUSo30B		Beginning Band
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>None</i>		
<p>Did you know it's never too late to learn how to play an instrument? Beginning Band provides an opportunity for students longing to develop skills in a variety of woodwind, brass, and percussion instruments to participate in band. In this course, students will...</p> <ul style="list-style-type: none"> • Focus on the arts of wind and percussion music within a variety of band-based genres • Will experience a strong fundamental approach to instruments • Rehearse from required music text daily • Develop an understanding of music theory • Perform outside of normal school hours • Ownership or rental of instruments is encouraged 		Fee required

Course: MUSo22A/MUSo22B		Marching Band
Grade: 9-12	Fall Semester	Course offered at: AHS CDO IRHS
Prerequisites: <i>None</i>		
<p>Did you know it's never too late to learn how to play an instrument? Beginning Band provides an opportunity for students longing to develop skills in a variety of woodwind, brass, and percussion instruments to participate in band. In this course, students will...</p> <ul style="list-style-type: none"> • Focus on the arts of wind and percussion music within a variety of band-based genres • Will experience a strong fundamental approach to instruments • Rehearse from required music text daily • Develop an understanding of music theory • Perform outside of normal school hours • Ownership or rental of instruments is encouraged 		Fee required

Course: MUSo17A/MUSo17B		Symphonic Band
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Teacher recommendation</i>		
<p>Symphonic Band is a performance-based ensemble open to students who have prior experience on their instrument(s) and the ability to read music. The ensemble consists of wind and brass instruments and percussion. Students will study many styles of music, from classical to modern. In this course, students will...</p> <ul style="list-style-type: none"> • Explore individual skills, concert literature and various musical styles • Have an opportunity for solos, small ensembles, and full-band experiences • Participation in evening/weekend festivals and rehearsal is required 		Fee required

Course: MUSo13A/MUSo13B		Band Auxiliary	
Grade: 9-12	Semester	Course offered at: CDO IRHS	
Prerequisites: <i>Audition</i>			
This course is open to all students who wish to audition. This group uses dance combined with props such as flags, rifles, and sabers. Students perform with the marching band in semester 1 and as their own indoor ensemble in semester 2. Schools may offer this as a course or club during semester 2. <i>Supplies: purchase parts of uniforms</i>			Fee required

Course: MUSo18A/MUSo18B		Percussion	
Grade: 9-12	All Year	Course offered at: CDO IRHS	
Prerequisites: <i>Audition and instructor approval</i>			
Are you interested in improving your proficiency in all the instruments in the percussion family? If so, Percussion is the class for you! In this course, students will... <ul style="list-style-type: none"> • Learn more about percussion instruments including the timpani, snare drum, bass drum, cymbals, triangle and tambourine • Participate in Concert Band, Marching Band, and Concert/Indoor Percussion Ensembles • Be exposed to quality musical literature in many genres • Build lifelong friendships! <i>Supplies: students will be required to purchase basic sticks and mallets for daily class use</i>			Fee required

Course: MUSo23A/MUSo23B		Jazz Combo	
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: <i>Audition and instructor approval</i>			
Jazz, a musical form, influenced by both European harmonic structure and African rhythms, is characterized by syncopated rhythms, polyphonic ensemble playing and varying degrees of improvisation. Jazz Combo is a select group of students experienced in band and interested in learning more about and performing Jazz music. In this course... <ul style="list-style-type: none"> • Perform various styles of Jazz music • Learn aspects of improvisation and music theory • Develop lifelong friendships <i>Students will participate in evening/weekend concerts and festivals</i>			Fee required

Course: MUSo09A/MUSo09B		Wind Ensemble	
Grade: 9-12	All Year	Course offered at: CDO IRHS	
Prerequisites: <i>None</i>			
Wind Ensemble, a musical performance group made up of instruments from woodwind, brass, and percussion families. Musicians participating in Wind Ensemble are dedicated to the study and performance of advanced concert band literature. In this course, students will... <ul style="list-style-type: none"> • Learn the fundamentals of ensemble playing and music making • Perform classic and contemporary concert band literature. • Experience in playing a wider variety of music. • Continue training in techniques and musicianship. • Play more challenging music. <i>Supplies: varies by instrument. Contact instructor for details</i>			Fee required

Course: MUSo31A/MUSo31B		Small Ensemble	
Grade: 9-12	All Year	Course offered at: CDO	
Prerequisites: <i>Instructor approval/recommendation</i>			
<p>Are you interested in increasing your already established proficiency on any instrument? If so, Small Ensemble is the class for you! In this course, students will...</p> <ul style="list-style-type: none"> • Expand their repertoire • Be offered a creative input-focused approach to rehearsal and performances • Participate in individual and group projects • Share their talents through small class and full concert performances for the school, community, and families • Exams are performance based <p><i>Supplies: varies by instrument, contact instructor for details</i></p>			Fee required

Course: MUSo10A/MUSo10B		Introduction to Guitar	
Grade: 9-12	All Year	Course offered at: AHS IRHS	
Prerequisites: <i>None</i>			
<p>Did you know that learning to play the guitar can help improve your memory? Research shows that listening to music and playing instruments activate your entire brain, including improving cognitive skills. In this course, students will...</p> <ul style="list-style-type: none"> • Increase proficiency on the guitar • Learn strumming and finger-style techniques • Work with various musical genre <p><i>Supplies: guitar strings and supplies as needed</i></p>			Fee required

Course: MUSo11A/MUSo11B		Advanced Guitar	
Grade: 10-12	All Year	Course offered at: AHS IRHS	
Prerequisites: <i>Introduction to Guitar or instructor approval, at least one year playing experience preferred</i>			
<p>Do you have at least one year of experience playing the guitar? Are you interested in expanding your repertoire? If so, Advanced Guitar is the class for you. In this course, students will...</p> <ul style="list-style-type: none"> • Explore advanced chord reading • Participate in solos and accompaniments • Expand repertoire and learn techniques for analyzing source material • Engage in skill development and application of knowledge to new material <p><i>Supplies: students required to supply their own guitar, acoustic or electric</i></p>			Fee required

CHOIR

Course: MUSo15A/MUSo15B		Concert Choir
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>None</i>		
<p>Concert Choir, a social, academic, and musical ensemble in which students learn and perform major works. In this course, students will...</p> <ul style="list-style-type: none"> • Learn the basics of singing in an ensemble • Understand basic music theory • Develop sight-reading skills • Perform 2-, 3-, and 4-part music of different styles • Participate in at least three concerts a year • Have many opportunities for soloist work <p><i>Supplies: purchase parts of uniform</i></p>		Fee required

Course: MUSoo5A/MUSoo5B		Show/Beginning Choir
Grade: 9-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Audition, interview, and teacher recommendation</i>		
<p>This is a select group of students who have passed an audition process including vocal presentation, sight-reading, and dance. Students will be required to participate in all concerts, audition for Regional Choir, and attend all before or after school rehearsals. Choreographed numbers will be at a beginning to intermediate level and students will also be performing Concert and Jazz style repertoire.</p>		Fee required

Course: MUSoo6A/MUSoo6B		Show/Advanced Choir
Grade: 10-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Audition and instructor approval</i>		
<p>This course is for students who wish to perform a variety of musical genres. Students will build on prior knowledge and produce more ambitious and challenging music with four or more parts. Music theory, sight-reading, and choreography will be emphasized. Students will travel to perform at various locations. Opportunities exist for competitions. Audition and instructor approval required. <i>Supplies: purchase parts of uniform</i></p>		Fee required

Course: MUSo24A/MUSo24B		Women's Ensemble
Grade: 10-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Audition and instructor approval</i>		
<p>This second year course is for students who have participated in Concert Choir or have extensive choir experience. Students will learn intermediate music theory and sight-reading in three-part harmony. Students may participate in festivals. Emphasis is on a variety of musical genres and show choreography.</p>		Fee required

Course: MUS032A/MUS032B		Adaptive Music	
Grade: 9-12	All Year	Course offered at: CDO	
Prerequisites: None			
<p>This course serves the special education and resource student population. It is designed to teach general music education with an emphasis in choral singing, appropriate to the ability levels of these students. Students will learn to listen to music for relaxation, hearing musical differences, hearing patterns, and reflecting on the emotions they feel. Students will learn to recognize musical instruments by sight and by sound. Students will experience music through instrument play, drawing shapes or images as they listen, movement, and singing. Students will learn proper vocal techniques for singing in a choir. Students will perform music by singing and playing instruments in front of an audience a minimum of two times per year.</p>			Fee required

DANCE

Course: PYS003A/PYS003B		Beginning Dance	
Grade: 9-12	All Year	Course offered at: AHS CDO	
Prerequisites: None			
<p>Do you often find yourself listening to songs and dancing around the house? Do you dream of performing on stage in New York City? Do you want to learn to express yourself through rhythm and music? If you said YES to any of these questions, then Beginning Dance is just the course for you! Not only does dance help develop muscles, tone the body, and improve balance and coordination, dance is a BLAST! In this course, students will...</p> <ul style="list-style-type: none"> • Learn basic history, terminology, and techniques in ballet, tap, modern dance, and various forms of jazz dance • Experience improvisation • Develop performance skills • Perform on stage 			Fee required
Course: PYS004A/PYS004B		Intermediate Dance	
Grade: 9-12	All Year	Course offered at: AHS	
Prerequisites: Teacher recommendation			
<p>Do you have experience with dance and want to continue your training? If so, Intermediate Dance is the class for you! In this course, students will...</p> <ul style="list-style-type: none"> • Improve their existing dance skills in various styles of dance including jazz, ballet, modern and improvisational • Focus on technique, history, choreography, and performance of classical and contemporary dance genres • Continue to develop performance skills and perform in a dance concert each semester 			Fee required

Course: PYS005A/PYS005B		Advanced Dance
Grade: 9-12	All Year	Course offered at: AHS CDO
Prerequisites: <i>Teacher recommendation and/or audition</i>		
<p>Take your dance moves to the next level in Advanced Dance! Enjoy challenging opportunities such as teaching combinations to the entire class and conducting warm-ups when assigned. In this course, students will...</p> <ul style="list-style-type: none"> • Focus on ballet-the foundation of all dances • Integrate elements of Modern and Lyrical Dance • Develop skills in jazz dance and integrate these skills into the study of Hip Hop • Learn advanced skills in modern dance • Continue to develop performance skills and perform in a variety of dance concerts over the course of the school year 		Fee required

Course: PYS023A/PYS023B		Performance Dance
Grade: 9-12	All Year	Course offered at: CDO
Prerequisites: <i>Auditions only</i>		
<p>Join the Dorado Dance Company and be a part of a group of dedicated dancers with a passion for expressing voice through creative movement and an eagerness to grow as performing artists. In this course, students will...</p> <ul style="list-style-type: none"> • Discover new interests in various dance styles • Grow as a dancer and choreographer • Build new friendships • Participate in all after-school dance rehearsals leading up to both the Fall and Spring required Dance Concerts 		Fee required

DIGITAL PHOTOGRAPHY

Course: CTS155A/JTS155A CTS155B/JTS155B		Introduction to Photography
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>None</i>		
<p>Students will learn basic digital camera operation and digital printing techniques involved in the input/output of digital media. Elements of photo composition will be introduced and incorporated, as well as the technical aspects of digital photography. This course includes units of instruction in all aspects of the industry, career development, applied math, safety, legal issues, customer service, basic computer, and design skills. This is a challenging course and each student is expected to be self-motivated, responsible, and able to work independently to meet deadlines.</p>		Fee required

Course: CTS156A/JTS156A CTS156B/JTS156B		Photography
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Introduction to Photography</i>		
<p>Students will learn basic digital SLR camera operation and digital printing techniques involved in the input/output of digital media. The elements and principles of photo composition will be re-introduced in addition to the introduction of many experimental processes, all incorporated into a professional portfolio. This is a challenging course and each student is expected to be self-motivated, responsible, and able to work independently to meet deadlines.</p>		Fee required

Course: CTS157A/JTS157A CTS157B/JTS157B		Advanced Photography
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Photography</i>		
<p>Computer manipulation (Adobe Photoshop and Adobe Lightroom) of black and white, as well as color photographs and studio techniques, are just the tip of the iceberg. Students will explore advanced camera work, experimental techniques, studio lighting techniques, and the refinement of compositional guidelines and artistic aesthetics. Students will be encouraged to start a quality portfolio (traditional and digital) of their work for future reference. This course prepares the individual to apply advanced knowledge and skills to produce quality photographs through the use of digital photography. Students will display their work in monthly themed art gallery shows. This course involves out-of-school work and students must be self-motivated to meet deadlines for the gallery openings. Career opportunities will be looked into for possible School-to-Work programs.</p>		Fee required

DRAMA

Course: MUS003A/MUS003B		Introduction to Drama
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>None</i>		
<p>This course provides a foundation for voice, movement, character development, and improvisation. Students participate as performers, audience, and critics. Skills include pantomime, monologues, and scenes.</p>		Fee required

Course: MUS004A/MUS004B		Intermediate Drama
Grade: 10-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Introduction to Drama, audition and instructor approval required</i>		
<p>This course enhances the theatrical skills acquired in Introduction. Students will improve their scene-building, improvisation, playwriting, and acting styles.</p>		Fee required

Course: MUS020A/MUS020B		Advanced Drama
Grade: 11-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Intermediate Drama, audition and instructor approval required</i>		
<p>This course is a performance class with an emphasis on the production of plays. Students will participate in full-length productions and festivals. A strong, extremely independent but collaborative work ethic is expected. After-school and evening rehearsals and performances are required.</p>		Fee required

Course: MUSo19A/MUSo19B		Advanced Drama Symposium	
Grade: 11-12	All Year	Course offered at: CDO	
Prerequisites: <i>Intro, Intermediate, and Advanced Drama, audition, interview, and teacher recommendation</i>			
<p>This course builds upon Advanced Drama by providing a greater variety of roles and performance opportunities. Student advanced writing and directing are included in the 'Caught-In-the-Act' One Act performances. The ComedySportz Improvisation shows are performed throughout the year. Symposium students oversee the business/financial aspect of the Canyon Players (Theatre Department Club) as well as produce the annual Talent Show in May, and present the end-of-year Theatre Banquet. Professional and community networking opportunities are realized through shadowing, field trips to performances, and participation in the Southern Arizona Acting Festival. In-depth work with acting methods, guest speakers, and participation in the musical round out this class. A strong, exceptionally independent but collaborative work ethic is expected. After-school and evening rehearsals and performances are required.</p>			Fee required

Course: MUSo29A/MUSo29B		Music Theater	
Grade: 9-12	All Year	Course offered at: CDO IRHS	
Prerequisites: <i>None</i>			
<p>Students in this course will explore all aspects of musical theater. Everything from the behind-the-scenes work to the singing, dancing, and acting on stage. Students will participate in the complete production of a musical during the year. The work behind-the-scenes includes working on sets, costumes, props, lights, or sound. Students will also design tickets, flyers, posters, programs, and advertising.</p>			Fee required

MUSIC THEORY

Course: MUSoo2A/MUSoo2B		Music Theory	
Grade: 9-12	All Year	Course offered at: CDO IRHS	
Prerequisites: <i>None</i>			
<p>This is the study of the elements of music including beginning harmony, chord structure, scale structure, dictation, and modern chord notation and structure, as well as a study of the history of music and musical style. Performance, composition, and independent study may also be a part of the curriculum of this class. Students must have the ability to read either treble clef or bass clef and have basic rhythm reading skills.</p>			Fee required

Course: MUSo12A/MUSo12B		AP Music Theory	
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: <i>Teacher recommendation</i>			
<p>This course covers the following: visual and aural analysis, sight-singing, melodic and harmonic dictation, and composition. Students wishing to enroll in AP Music Theory should possess skills in music reading, scales, transposition, intervals, rhythm and meter, notation, key signatures, triad types, and inversions. For more information on this class, please visit the AP site. This course carries a weighted grade.</p>			Fee required

ORCHESTRA

Course: MUSo16A/MUSo16B		Concert Orchestra	
Grade: 9-12	All Year	Course offered at: CDO IRHS	
Prerequisites: <i>Experience on an orchestral stringed instrument</i>			
Students will study and perform literature from stylistic periods. Individual practice outside of school time is required. Performance at evening concerts is required.			Fee required

Course: MUSoo8A/MUSoo8B		Symphonic Orchestra	
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: <i>Experience on an orchestral stringed instrument, audition, and instructor approval</i>			
Students will study and perform advanced level literature from stylistic periods. Individual practice outside of school time is required. Attendance at evening/weekend rehearsals and performances is required.			Fee required

TECHNICAL THEATER

Course: CTS170A/JTS170A CTS170B/JTS170B		Technical Theater I	
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: <i>None</i>			
Technical Theater is a hands-on Career & Technical Education course that exposes students to the various careers in theatre arts and the entertainment industry. Students have the opportunity to work in specialized groups, which include scenery, lighting, sound, props, costumes, and rigging for the stage. Students will operate a variety of electronic and scene shop equipment to build the various productions each semester. This is a challenging course. You must possess a strong work ethic, be able to work independently, and meet deadlines. This course is the prerequisite for Technical Theater II.			Fee required

Course: CTS171A/JTS171A CTS171B/JTS171B		Technical Theater II	
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: <i>Technical Theater I</i>			
Technical Theater is a hands-on Career and Technical Education course that exposes students to the various careers in theatre arts and the entertainment industry. Students have the opportunity to work in specialized groups, which include scenery, lighting, sound, props, costumes, and rigging for the stage. Students will operate a variety of electronic and scene shop equipment to build the various productions each semester. This is a challenging course. You must possess a strong work ethic, work independently, and meet deadlines. This course is the prerequisite for Technical Theater III.			Fee required

Course: CTS173A/JTS173A CTS173B/JTS173B		Technical Theater III	
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: <i>Technical Theater II</i>			
<p>Technical Theater is a hands-on Career & Technical Education course that exposes students to the various careers in theatre arts and the entertainment industry. Students have the opportunity to work in specialized groups, which include scenery, lighting, sound, props, costumes, and rigging for the stage. Students will operate a variety of electronic and scene shop equipment to build the various productions each semester. This is a challenging course. You must possess a strong work ethic, work independently, and meet deadlines. This course is the prerequisite for Technical Theater IV.</p>			Fee required

Course: CTS174A/JTS174A CTS174B/JTS174B		Technical Theater IV	
Grade: 12	All Year	Course offered at: CDO IRHS	
Prerequisites: <i>Technical Theater III</i>			
<p>Technical Theater is a hands-on Career & Technical Education course that exposes students to the various careers in theatre arts and the entertainment industry. Students have the opportunity to work in specialized groups, which include scenery, lighting, sound, props, costumes, and rigging for the stage. Students will operate a variety of electronic and scene shop equipment to build the various productions each semester. This is a challenging course. You must possess a strong work ethic, work independently, and meet deadlines.</p>			Fee required

EDUCATION, HOSPITALITY, & PUBLIC SERVICE

Culinary Arts		<u>Courses must be taken in sequence:</u>	
		Culinary Arts I (Year 1) CTS112A/JTS112A CTS112B/JTS112B	
		Culinary Arts II (Year 2) CTS113A/JTS113A CTS113B/JTS113B	
		Culinary Arts III (Optional Year 3) CTS114A/JTS114A CTS114B/JTS114B (6 credits from PCC available for Year 3)	
		Culinary Arts IV (Optional Year 4) CTS115A/JTS115A CTS115B/JTS115B (6 credits from PCC available for Year 4)	
		Culinary Arts Internship (Optional) CTS116A/CTS116B	
Grade: 9-12	2 Year Program	Program offered at: CDO IRHS	
<ul style="list-style-type: none"> Places an emphasis on teamwork and interpersonal skills, academics, and technical skills, and requires adherence to dress, food sanitation, and safety codes Certifications/ Endorsements: ServSafe® Food Management Certification (optional certification for students) and ACF NOCTI Level 2 Curriculum includes kitchen basics and Culinary fundamentals such as safety and sanitation, basic food preparation, culinary nutrition, introduction to baking, workplace safety, hospitality management, Front- and back-of-house operations, Introduction to food cost and control, culinary math, menu writing, purchasing and inventory control, and customer service Curriculum also includes commencement level math and English Language Arts All students are given the opportunity to participate in a work-based learning experience that includes an internship, which exposes them to real-world business operations and specific job duties related to culinary careers that connect to the skills and knowledge learned in the CTE classroom 			Fee required

Early Childhood Education		<u>Courses must be taken in sequence:</u>	
		Early Childhood Education I (Year 1) CTS190A/JTS190A CTS190B/JTS190B	
		Early Childhood Education II (Year 2) CTS191A/JTS191A CTS191B/JTS191B	
		Early Childhood Education III (Optional Year 3) CTS192A/JTS192A CTS192B/JTS192B	
		Early Childhood Education IV (Optional Year 4) CTS193A/JTS193A CTS193B/JTS193B	
		Early Childhood Education Internship (Optional) CTS194A/CTS194B	
Grade: 9-12	2 Year Program	Program offered at: AHS CDO	
Prerequisites: <i>Students must submit proof of negative Mantoux (TB) test, no more than 6 months old to the preschool director.</i>			
<ul style="list-style-type: none"> Learn about the continuum of physical, sensory, social, emotional, cognitive, language, and literacy development of young children Design activities and establish practices promoting young children’s overall development Master effective employability skills and professionalism in early childhood education Create, research, and provide developmentally appropriate learning materials and activities within our on-site preschool that make the activities fun and hands-on Obtain Certifications such as First Aid/CPR, Food Handlers, and Paraprofessional 			Fee required

Course: MSCo23A/MSCo23B		JROTC
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: None		
<p>In JROTC, students are introduced to non-combative military skills and character building philosophies/activities centered on leadership and physical training which are useful in both civilian and military communities. Cadets earn positions of responsibility in the unit and older cadets are involved in planning, organizing, and implementing projects for the group. The goal of JROTC is to motivate young people to be better citizens. Monthly field trips, a five-day training exercise at Ft. Huachuca, on-campus rappelling, rock climbing and obstacle courses are examples of the activities offered with these courses. Varsity athletic teams include Exhibition Drill Teams, Color Guard, Rifle Marksmanship Team, Raiders Team, and Drum and Bugle Corps. JROTC is an approved Military Academy nominating agency. Students involved in this course will take it at Flowing Wells High School. Due to the course being off campus, different attendance reporting must be met. See your guidance counselor for a copy of the reporting requirements. In addition to the JROTC course, cadets approved by one of the instructors may be placed into an additional class called Adventure Training. Students participating in this class take part in the Raiders (outdoor physical fitness, Rappel and Orienteering class), Drill Teams/Color Guard, or the Rifle Marksmanship program. For an application or more information on the Adventure Training course, please call Captain Edwards at (520) 696-8065.</p>		

ENGLISH LANGUAGE DEVELOPMENT COURSES

Section: ELD101A/ELD101B		ESL Pre-Emergent/Emergent Targeted Language Arts
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Enrollment based on the AZELLA Placement</i>		
<p>This course provides language instruction for English learners within a targeted setting. The content of the course is based on the specific descriptors of the key knowledge, language skills and abilities in core areas (reading, writing, listening, and speaking) of English language development outlined in the Arizona K-12 English Language Proficiency Standards. This course is intended to accelerate language acquisition and prepare students for the mainstream classroom, where they will be ready to access the content of instruction that is then driven by the Arizona English Language Arts Standards. English credit course.</p>		

Section: ELD130A/ELD130B		Pre-Emergent/Emergent Targeted ELD
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>Enrollment based on the AZELLA Placement and concurrent enrollment in the ESL Pre-Emergent/Emergent Targeted Language Arts course</i>		
<p>This course is required as part of the Targeted SEI 2-Hour Model. The content of the course is based on the specific descriptors of the key knowledge, language skills and abilities in core areas (reading, writing, listening, and speaking) of English language development outlined in the Arizona K-12 English Language Proficiency Standards. This course is intended to accelerate language acquisition and prepare students for the mainstream classroom, where they will be ready to access the content of instruction that is then driven by the Arizona English Language Arts Standards. Elective credit only.</p>		

Section: ELD131A/ELD131B		ELD Newcomers
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>Enrollment based on the AZELLA Placement</i>		
<p>This course is designed to orient newly arrived refugees and immigrant students to the school community. The focus is on the development of speaking and listening skills as well as the acquisition of English academic vocabulary. Students learn to pronounce words clearly, follow oral directions and commands, ask and/or respond appropriately to oral questions, and communicate information, ideas, and concepts necessary for academic success in the content areas. The language development of newcomers will be closely monitored toward their exit criteria goals so they do not remain in the newcomer program longer than necessary. Elective credit only.</p>		

Section: ELD111A/ELD111B		ESL Basic Targeted Language Arts
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Enrollment based on the AZELLA Placement/Reassessment and a student's ELD performance portfolio</i>		
<p>This course provides language instruction for English learners within a targeted setting. The content of the course is based on the specific descriptors of the key knowledge, language skills and abilities in core areas (reading, writing, listening, and speaking) of English language development outlined in the Arizona K-12 English Language Proficiency Standards. This course is intended to accelerate language acquisition and prepare students for the mainstream classroom, where they will be ready to access the content of instruction that is then driven by the Arizona English Language Arts Standards.</p> <p>English credit course.</p>		

Section: ELD132A/ELD132B		Basic Targeted ELD
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>Enrollment based on the AZELLA Placement/Reassessment and the concurrent enrollment in the ESL Basic Targeted Language Arts course</i>		
<p>This course is required to be part of the Targeted SEI 2-Hour Model. The content of the course is based on the specific descriptors of the key knowledge, language skills and abilities in core areas (reading, writing, listening, and speaking) of English language development outlined in the Arizona K-12 English Language Proficiency Standards. This course is intended to accelerate language acquisition and prepare students for the mainstream classroom, where they will be ready to access the content of instruction that is then driven by the Arizona English Language Arts Standards. Elective credit only.</p>		

Section: As Appropriate for Grade Level		English
All Year	Course offered at: AHS CDO IRHS	
Prerequisites: <i>Enrollment based on the AZELLA Placement/Reassessment at the Intermediate Level of Proficiency</i>		
<p>This course will be taught by an ELD teacher in a targeted setting. The content of the course is based on the specific descriptors of the key knowledge, language skills and abilities in core areas (reading, writing, listening, and speaking) of English language development outlined in the Arizona K-12 English Language Proficiency Standards. This course is intended to accelerate language acquisition and prepare students for the mainstream classroom, where they will be ready to access the content of instruction that is then driven by the Arizona English Language Arts Standards. English credit course</p>		

Section: ELD133A/ELD133B		Intermediate Targeted ELD
All Year	Course offered at: AHS	
Prerequisites: Enrollment based on the AZELLA Placement/Reassessment and the concurrent enrollment in a grade level targeted English course taught by an ELD Specialist		
<p>This course is required to be part of the Targeted SEI 2-Hour Model. The content of the course is based on the specific descriptors of the key knowledge, language skills and abilities in core areas (reading, writing, listening, and speaking) of English language development outlined in the Arizona K-12 English Language Proficiency Standards. This course is intended to accelerate language acquisition and prepare students for the mainstream classroom, where they will be ready to access the content of instruction that is then driven by the Arizona English Language Arts Standards. Elective credit only.</p>		

Section: ELD125A/ELD125B		ELD Academic Science Literacy
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: Enrollment based on the AZELLA Placement/Reassessment proficiency scores of Pre-Emergent/Emergent and Basic		
<p>This course will ensure that English learners have an opportunity to gain a basic understanding of course specific academic language in order to acquire new content knowledge and be successful in academic tasks, such as reading and comprehending complex, grade level texts and participating in academic discussions. Through the use of these scaffolded supports, students will develop confidence, engagement, content knowledge, processing strategies, and language. AZ English Language Proficiency Standards and AZ Science Content Standards will be used to front load specific academic content language to English learners prior to or during enrollment in these courses. Collaboration with mainstream teachers will open up the lines of communication between educators in the English Language Development Department and the Science Department. Elective credit only.</p>		

Section: ELD126A/ELD126B		ELD Academic Social Studies Literacy
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: Enrollment based on the AZELLA Placement/Reassessment proficiency scores of Pre-Emergent/Emergent and Basic		
<p>This course will ensure that English learners have an opportunity to gain a basic understanding of course specific academic language in order to acquire new content knowledge and be successful in academic tasks, such as reading and comprehending complex, grade level texts and participating in academic discussions. Through the use of these scaffolded supports, students will develop confidence, engagement, content knowledge, processing strategies, and language. AZ English Language Proficiency Standards and AZ Social Studies Content Standards will be used to front load specific academic content language to English learners prior to or during enrollment in these courses. Collaboration with mainstream teachers will open up the lines of communication between educators in the English Language Development Department and the Social Studies Department. Elective credit only.</p>		

HEALTHCARE COURSES

Nursing Services LNA/ Healthcare Foundations		<u>Courses must be taken in sequence:</u> Healthcare Foundations A/B (Year 1) CTS300A/B /JTS300A/B	
		Nursing Services I (Year 2-Semester 1) CTS301/JTS301	
		Nursing Services I-Clinical Lab (Year 2-Semester 1) CTS301CL/JTS301CL	
		Nursing Services I-Skills Lab (Year 2-Semester 1) CTS301SL/JTS301SL	
		Nursing Services II (Year 2-Semester 2) CTS302/JTS302	
		Nursing Services II-Clinical Lab (Year 2-Semester 2) CTS302CL/JTS302CL	
		Nursing Services II-Skills Lab (Year 2-Semester 2) CTS302SL/JTS302SL	
		Nursing Services Internship (Optional) CTS303A/CTS303B	
Grade: 11-12	2 Year Program	Program offered at: IRHS	
<ul style="list-style-type: none"> • Prepare to perform routine nursing-related services for patients in hospitals or long-term care facilities under the training and supervision of a Licensed Practical or Registered Nurse • Examine the healthcare community and roles and responsibilities of the healthcare team • Demonstrate ethical and legal conduct, while applying standard precautions and infection control measures • Apply principles of body mechanics, transporting, transferring, and basic emergency care • Learn examination of human systems for common conditions, disorders, and care, measure and record vital signs while facilitating activities related to examination, and diagnostic testing • Learn to identify behavioral health and social services needs and assist in care for the dying and their families • Gain industry credentials such as CNA, LNA, OSHA 10 Healthcare, ACF NOCTI Level 2, ServSafe® Food Management Certification (optional certification for students) 			Fee required

Sports Medicine/ Healthcare Foundations		<u>Courses must be taken in sequence:</u> Sports Medicine I/Healthcare Foundations (Year 1) CTS140A/B / JTS140A/B	
		Sports Medicine II (Year 2) CTS141A/B / JTS141A/B	
		Sports Medicine III (Optional Year 3) CTS143A/B / JTS143A/B	
		Sports Medicine Internship (Optional) CTS142A/ CTS142B	
Grade: 9-12	2 Year Program	Program offered at: AHS CDO IRHS	
<ul style="list-style-type: none"> • Engage through motion to learn, evaluate, and apply understanding of musculoskeletal and human anatomy as well as associated medical terminology • Explore and investigate body systems, anatomy, perform and acquire a certification in First Aid/CPR, and EMR • Work side-by-side with an Athletic Trainer during after school athletic practices and competitions • Refine hands-on skills and enhance professional knowledge while using critical and logical thought to learn how to evaluate athletic-related injuries • Exciting internship opportunities to support athletic teams with your trainer and other industry professionals 			Fee required

LANGUAGE ARTS COURSES

Course: ENGo25A/ENGo25B		English Lab
Grade: 9-12	Semester	Course offered at: CDO
Prerequisites: <i>Teacher recommendation only</i>		
English Lab is a self-paced personalized program of learning focusing on credit recovery and/or intervention. Computer programs, such as Edgenuity will be utilized to support students in understanding concepts of Literature. Students taking this course will receive one-on-one or small group support.		

Course: ENGo09A/ENGo09B		English 9: Analyzing Cultural Connections through Literature
Grade: 9	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>None</i>		
Students will have an opportunity to develop their critical thinking skills applied to literature. Through an intensive analysis of fiction and informational texts, students will:		
<ul style="list-style-type: none"> • Develop personal perspectives about challenges, relationships, and connections among different cultures • Concentrate on research skills applied to reading, writing, listening, and speaking. • Apply their critical thinking skills to class discussions and oral presentations (an integral part of the program) • Independent reading is a requirement 		

Course: ENGo16A/ENGo16B		Honors English 9: Classical Literature and Composition
Grade: 9	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Honors/AP English eligibility and teacher recommendation</i>		
In this course, students will have an opportunity to exercise their critical thinking and reading skills applied to classic literature. Composition instruction includes applied grammar and vocabulary development, and focuses on:		
<ul style="list-style-type: none"> • Literary analysis • Narrative and research writing • Independent reading is a requirement 		
In addition, students have ample opportunities to apply their critical thinking skills to class discussions and oral presentations as an integral part of this program.		
This course carries a weighted grade.		

Course: ENGo10A/ENGo10B		English 10: Discovering a Personal Point of View
Grade: 10	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Analyzing Cultural Connections through Literature or Honors English 9</i>		
<p>Students will have an opportunity to expand their critical thinking skills applied to:</p> <ul style="list-style-type: none"> • In-depth analysis of poetry, short stories, novels, drama, and non-fiction • Analyzing and evaluating what it means to develop a strong point of view • Apply research skills to reading, writing, listening, and speaking • Class discussions and oral presentations. (These two elements are an integral part of our program). • Independent reading is a requirement 		

Course: ENGo17A/ENGo17B		Honors English 10: Analysis of Literature and Composition
Grade: 10	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Honors/AP English eligibility or A/B in Honors 9, and teacher recommendation</i>		
<p>This course focuses on intensive instruction of essay writing, with an emphasis on literary and rhetorical analysis. This course will teach students how writers and speakers use their words to influence an audience. It focuses on intensive instruction of:</p> <ul style="list-style-type: none"> • Essay writing, with an emphasis on literary and rhetorical analysis, persuasion and timed writing • Vocabulary development • Test-taking skills • Class discussions and oral presentations, as oral language is one of the ways in which words can influence different audiences (the development of listening and speaking skills is an integral part of this class curriculum) • Independent reading is a requirement • Each school has a <i>required</i> summer reading to be completed before the fall semester begins (Please visit the English/Language Arts Department website for the list) <p>This course carries a weighted grade.</p>		

Course: ENGo11A/ENGo11B		English 11: America through Literature
Grade: 11	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Discovering a Personal Point of View or Honors English 10</i>		
<p>Students will have an opportunity to exercise their critical thinking skills applied to American Literature. When doing so, they will:</p> <ul style="list-style-type: none"> • Analyze and evaluate the cultural and philosophical developments within the United States. • Develop their writing skills applied to critical reading, thinking and modes of composition that will include exposition, argumentation and rhetorical analysis. • Apply their critical thinking skills through class discussion and oral presentations (an integral part of the program) • Independent reading is a requirement 		

Course: ENGo19A/ENGo19B		AP English Language & Composition
Grade: 11	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Honors/AP English eligibility or A/B in Honors English 9 & 10, and teacher recommendation</i>		
<p>This course concentrates on an intensive survey of American literature and non-fiction, and prepares a student to take the College Board’s Advanced Placement exam in Language and Composition.</p> <p>In this course, students use their critical thinking skills to analyze and interpret text when:</p> <ul style="list-style-type: none"> • Identifying and explaining the author’s use of rhetorical strategies and techniques • Writing in a variety of genres and contexts, including rhetorical analysis, argumentation, persuasion, and synthesis of research • Developing listening and speaking skills through class discussions and <i>polished oral presentations</i> • Independent reading is a requirement • Each school has a <i>required</i> summer reading list to be completed before the fall semester begins. Please visit the English/Language Arts Department website for the list. • This course carries a weighted grade • For more information on this class, please visit the AP site <p>This course carries a weighted grade.</p>		

Course: ENGo12A/ENGo12B		English 12: The British Classics
Grade: 12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>America through Literature or AP English Language & Composition</i>		
<p>Students will have an opportunity to exercise their critical thinking skills applied to American Literature. When doing so, they will:</p> <ul style="list-style-type: none"> • Analyze and evaluate the cultural and philosophical developments within the United States. • Develop their writing skills applied to critical reading, thinking and modes of composition that will include exposition, argumentation and rhetorical analysis. • Apply their critical thinking skills through class discussion and oral presentations (an integral part of the program) • Independent reading is a requirement 		

Course: ENGo18A/ENGo18B		AP English Literature & Composition
Grade: 12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Honors/AP English eligibility or A/B in prior English coursework, and teacher recommendation</i>		
<p>This course concentrates on an intensive study of works of literary merit from various genres and periods, and prepares students to take the College Board’s Advanced Placement exam in Literature and Composition. Through close reading, emphasis is placed on gaining a deep understanding <i>how</i> writers <i>create</i> meaning for their readers using:</p> <ul style="list-style-type: none"> • Language • Structure • Style • Themes • Students will learn to exercise critical thinking skills, applied to listening and speaking • Polished oral presentations and class discussions are an integral part of this program • Independent reading is a requirement • For more information on this class, please visit the AP site. <p>This course carries a weighted grade.</p>		

Course: ENGo15A/ENGo15B		Creative Writing
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: <i>Successful completion of prior Language Arts courses, or a strong teacher recommendation</i>		
<p>Writing is an integral part of any successful college program. This course concentrates on rigorous college preparatory writing that integrates creativity, innovation, and synthesis of the literary elements of poetry and prose. In addition students will have ample opportunities to read and critique the writing of modern authors and poets, as well as each other’s work. Instruction in this course focuses on:</p> <ul style="list-style-type: none"> • The writing process from prewriting to publication • Marketing and sales issues related to distribution • As a culminating assessment, students will produce a publishable writing portfolio. <p>This is an elective course, and it may be repeated for credit.</p>		

MATHEMATICS COURSES

Course: MTHoo9		Math Lab
Grade: 9-12	Semester	Course offered at: AHS CDO IRHS
Prerequisites: <i>Teacher recommendation only</i>		
Math Lab is a self-paced personalized program of learning focusing on credit recovery and/or intervention. Computer programs, such as ALEKS and Edgenuity will be utilized to support students in understanding mathematical concepts. Students taking this course will receive one-on-one or small group support.		

Course: MTHoo2A/MTHoo2B		Algebra I
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>none</i>		
Learning Algebra helps students develop critical thinking skills. Coupled with the 8 Mathematical Practices, students will engage in activities that enable them to discover, understand and apply algebraic concepts. In addition, students will focus on multiple representations of functions and solving problems based on real-world situations. In this course, students will...		
<ul style="list-style-type: none"> • See structure in expressions and perform arithmetic operations on polynomials and rational expressions • Create and reason with equations and inequalities and interpret and build functions • Construct and compare linear, quadratic, absolute value, and exponential models • Interpret categorical and quantitative data • Understand independence and conditional probability and use them to interpret data • Participate in differentiated personalized learning through the ALEKS online resource 		

Course: MTHo12A/MTHo12B		Geometry
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Algebra I</i>		
Studying geometry provides many foundational skills and helps students build higher-level thinking skills, such as logic, deductive reasoning, analytical reasoning and problem solving, as well as an understanding of spatial relationships. In this course, students will...		
<ul style="list-style-type: none"> • Experiment with transformations in the plane and understand congruence in terms of rigid motions • Understand and prove geometric theorems and make geometric constructions • Define trigonometric ratios and solve problems involving right triangles • Build an understanding of circles and apply theorems, find arc lengths, and determine areas of sectors • Express geometric properties with equations, explain volume formulas and use them to solve problems • Reason quantitatively and explore concepts in probability • Participate in differentiated personalized learning through the ALEKS online resource 		

Course: MTHo13A/MTHo13B		Honors Geometry
Grade: 9-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Grade of A/B in Algebra I and teacher recommendation. 9th graders must have an "A" in Algebra and a recommendation from an 8th grade teacher</i>		
<p>Honors Geometry focuses on the study of geometrical shapes (planes and solids) and figures based on different postulates and theorems, better known as Euclidean Geometry. Honors Geometry students will engage in higher-level thinking problems and experience real-life applications in greater depth and at a more rigorous pace than Geometry. In this course, students will...</p> <ul style="list-style-type: none"> • Experiment with transformations in the plane and understand congruence in terms of rigid motions • Prove geometric theorems and make geometric constructions • Define trigonometric ratios and solve problems involving right triangles • Build an understanding of circles and apply theorems, find arc lengths, and determine areas of sectors • Express geometric properties with equations and explain volume formulas and use them to solve problems • Reason quantitatively and explore concepts in probability <p><i>This course is intended for most college-bound students planning on taking upper-level mathematics classes.</i></p>		

Course: MTHo10A/MTHo10B		Intermediate Algebra
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Credit in Algebra I and Geometry or teacher recommendation</i>		
<p>Intermediate Algebra provides a strong foundation in entry level algebraic applications. Bridging Algebra I and Algebra II, this course supports students' development of critical algebra skills necessary for success in applying mathematical ideas to real-world situations. In this course, students will...</p> <ul style="list-style-type: none"> • Factor polynomials, and perform operations on rational, radical, and complex number expressions and equations • Solve compound inequalities and absolute value equations • Solve and apply quadratic equations by using factoring, the quadratic formula, and completing the square • Perform operations with functions • Use properties of logarithms to solve logarithmic and exponential equations • Work with concepts involving Statistics and Probability • Participate in differentiated personalized learning through the ALEKS online resource. <p><i>This course counts as a math requirement for graduation but does not meet the upper-level math requirement for state universities.</i></p> <p><i>This course does not meet NCAA Clearinghouse requirements for collegiate student-athletes.</i></p>		

Course: MTHo4oA/ MTHo4oB		Financial Algebra
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Geometry, Counselor and/or teacher recommendation – this course will satisfy the 4th year state math requirement and will be an Algebra II equivalent</i>		
<p>Enabling students to implement the decision-making skills they must apply and use to become knowledgeable consumers, investors, and money managers is critical as citizens of the 21st century global community. Through this course, students will develop a strong foundation in logical thinking and problem solving, and incorporate concepts, skills, and critical thinking from mathematics, language arts, social studies, and applied technology. In this course, students will make use of the concept embedded in Algebra as they experience/understand the details of...</p> <ul style="list-style-type: none"> • Modeling a business • Banking services and consumer credit • Automobile ownership • Income taxes • Independent living • Employment basics • Retirement • Budgeting • Financial markets and cryptocurrency 		

Course: MTHo03A/MTHo03B		Algebra II
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Grade of "C" or better in Algebra I AND Geometry, or credit in Intermediate Algebra, or teacher recommendation</i>		
<p>Learning Algebra helps to develop critical thinking skills, including problem solving, logic, patterns, and reasoning. Learning the skills in Algebra II moves students beyond basic math and prepares them for statistics and calculus. In this course, students will...</p> <ul style="list-style-type: none"> • Extend the properties of exponents to rational exponents and perform arithmetic operations with complex numbers • Understand the relationship between zeroes and factors of polynomials • Interpret, analyze, and build functions that model the relationship between two quantities and between existing functions • Construct and compare linear, quadratic, and exponential models • Extend trigonometric functions to the unit circle • Interpret categorical and quantitative data • Understand independence and conditional probability and use them to interpret data • Participate in differentiated personalized learning through the ALEKS online resource 		

Course: MTH004A/MTH004B		Honors Algebra II
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Grade of A/B in Algebra I AND an A/B in Geometry or teacher recommendation</i>		
<p>Honors Algebra II is a standards-based course extending the concepts learned in Algebra I. Students will experience high level real-world problems to aid in the development of problem-solving skills and critical thinking. This course is rigorous and presented at a faster pace than Algebra II. Successful completion of Honors Algebra II will prepare students for Introduction to Calculus, AP Statistics, and/or College Algebra. In this course, students will...</p> <ul style="list-style-type: none"> • Extend the properties of exponents to rational exponents • Perform arithmetic operations with complex numbers and use complex numbers in polynomial identities and equations • Understand the relationship between zeroes and factors of polynomials • Interpret, analyze, and build functions that model the relationship between two quantities and between existing functions • Construct and compare linear, quadratic, and exponential models • Extend trigonometric functions to the unit circle • Interpret categorical and quantitative data • Understand independence and conditional probability and use them to interpret data 		

Course: MTH024A/MTH024B		Statistics
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Algebra II</i>		
<p>Statistical literacy prepares students for a society in which the ability to use and critically evaluate information is central to becoming an informed citizen. The goal of this course is to get students to think about the “why” and “how” of statistics, therefore there is an emphasis on conceptual understanding over computation. This course serves as excellent preparation for a college-level introductory statistics course and can be taken concurrently with other math courses. In this course, students will...</p> <ul style="list-style-type: none"> • Analyze and model One- and Two-Variable Quantitative Data. • Collect and infer about data samples. • Study probability. • Compare populations. • Study inference for distributions and relationships. • Interact with the digital platform, SaplingPlus, which extends the learning with an interactive eBook, a variety of video supports, and online homework with error-specific feedback. <p><i>This course satisfies the fourth-year math requirement for admission into most colleges and universities.</i></p>		

Course: MTHo18A/MTHo18B		AP Statistics
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Grade of "C" or better in Pre-Calculus or Honors Alg. II or "A" in Alg. II</i>		
<p>AP Statistics is an introductory college-level statistics course focusing on the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students develop an understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts. Students may elect to take the AP Statistics Exam which may give them one semester college math credit. This course may be taken concurrently with other math courses. In this course, students will...</p> <ul style="list-style-type: none"> • Explore one- and two-variable data • Collect data • Study probability, random variables, and probability distributions. • Understand sampling distributions • Develop an understanding of and work with Inference for Categorical and Quantitative Data • Interact with the digital platform, SaplingPlus, which extends the learning with an interactive eBook, a variety of video supports, and online homework with error-specific feedback • For more information on this class, please visit the AP site. 		
This course carries a weighted grade.		

Course: MTHo25A/MTHo25B		Sports Statistics
Grade: 11-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Geometry and Algebra II</i>		
<p>Mathematics and sports have always been connected, whether you're watching Monday Night Football or enjoying a game at the bowling alley. Sports Statistics offers students an opportunity to work with statistical reasoning and answer interesting sports-related questions. This course serves as excellent preparation for a college-level introductory statistics course and can be taken concurrently with other math courses. Students in this course will...</p> <ul style="list-style-type: none"> • Interpret categorical and quantitative data • Understand and evaluate random processes underlying statistical experiments • Understand independence and conditional probability and use them to interpret data • Use the rules of probability to compute probabilities of compound events • Use probability to make and evaluate decisions <p><i>This course satisfies the fourth-year math requirement for admission into most colleges and universities.</i></p>		

Course: MTHo14A/MTHo14B		Pre-Calculus
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Grade of "C" or better in Algebra II or teacher recommendation</i>		
<p>Pre-calculus is a structured entry to advanced studies leading to calculus. This course builds on concepts learned in previous high school math courses, especially Algebra 2. Balance between algebraic, numerical, graphical, and verbal methods of representing problems helps to develop better understanding of mathematical concepts and critical thinking skills. In this course, students will...</p> <ul style="list-style-type: none"> • Extend the behavior of functions and relations by using multiple representations, and covariational reasoning to investigate and explore quantities, their relationships, and how these relationships change • Model exponential, logistic, and logarithmic functions • Deepen understanding of trigonometric relationships and extend their reasoning with trigonometric reasoning to non-right triangles • Develop an understanding of analytic trigonometry, including fundamental identities, the Law of Sines and the Law of Cosines • Become fluent with the Unit Circle • Reason with vectors, as well as determine a vector from its initial point and terminal point, add and subtract vectors, and multiply a vector by a scalar • Use matrices to represent and manipulate data and solve systems of linear equations • Experience Discrete Mathematics including probability, sequences, and statistics and data • Participate in differentiated personalized learning through the ALEKS online resource 		

Course: MTHo15A/MTHo15B		Introduction to Calculus
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Grade of "C" or better in Honors Algebra II or Pre-Calculus</i>		
<p>Calculus, the study of how things change, provides a framework for modeling systems in which there is change, such as determining how particles, stars, and matter move and change in real time. In this course, students will...</p> <ul style="list-style-type: none"> • Expand upon concepts developed in Algebra 2, including numerical, analytical, and graphical analysis • Further explore functions and analytical trigonometry • Study vectors, polar and parametric curves and matrices • Begin working with Limits and Differential Calculus <p>This course carries a weighted grade.</p>		

Course: MTHo16A/MTHo16B		AP Calculus AB
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: "C" or better in Introduction to Calculus or teacher recommendation		
<p>AP Calculus AB focuses students' attention on exploring the concepts, methods, and applications of differential and integral calculus. This course is equivalent to the first semester of college calculus. Students may elect to take the AP Calculus Exam which may give them one semester college math credit. In this course, students will...</p> <ul style="list-style-type: none"> • Explore how limits are used to solve problems involving change and apply limits to define integrals • Apply derivatives to set up and solve real-world problems involving instantaneous rates of change • Learn how the Fundamental Theorem of Calculus connects integration and differentials • Apply properties of integrals and practice useful integration techniques • Solve differential equations and apply that knowledge to deepen understanding of exponential growth and decay • Make connections that all the solving of a wide range of problems involving net change over an interval of time and to find areas of regions or volumes of solids defined using functions • For more information on this class, please visit the AP site. 		
This course carries a weighted grade.		

Course: MTHo17A/MTHo17B		AP Calculus BC
Grade: 12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Credit in AP Calculus AB or teacher recommendation		
<p>AP Calculus BC focuses on students' understanding of calculus concepts and provides experiences with methods and applications. This course extends the content learned in AB to different types of equations and introduces the topics of sequences and series. This course is equivalent to the first and second semesters of college calculus. Students may elect to take the AP Calculus Exam which may give them one semester college math credit. In this course, students will...</p> <ul style="list-style-type: none"> • Work with polar, parametric, and vector-valued equations • Student Euler's method, integration by parts, partial fraction decomposition, and improper integrals • Develop an understanding of differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series • Approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations • Learn how to use technology to help solve problems, experiment, interpret results, and support conclusions • For more information on this class, please visit the AP site. 		
This course carries a weighted grade.		

PHYSICAL EDUCATION COURSES

Course: PYS001A/PYS001B		Aerobics Fitness	
Grade: 9-12	All Year	Course offered at: CDO IRHS	
Prerequisites: None			
<p>Aerobic Exercise improves overall fitness levels including but not limited to cardiovascular conditioning, lung function, muscle endurance, and flexibility. This course is designed to develop techniques for improving and maintaining fitness for a lifetime! In this course, students will...</p> <ul style="list-style-type: none"> • Participate in Zumba, step aerobics, kickboxing, interval training, and jump roping • Develop strength by participating in weight training with barbells, dumbbells, kettlebells, and medicine balls • Concentrate on flexibility, dynamic stretching, and explore different types of yoga, Pilates, tai chi, and barre • Learn the value of physical fitness, health, and nutrition 			Fee required

Course: PYS017A/PYS017B		Aquatics	
Grade: 9-12	All Year	Course offered at: AHS	
Prerequisites: None			
<p>Aquatic Fitness is defined as activities performed in the water that promote and enhance physical and mental fitness, including aerobic training, muscular strength and endurance, flexibility and body composition. Red Cross Water Instruction Standards will be used for swimming and students will work in ability leveled groups. During the colder months, when the pool is not heated, students will participate in team and individual sports. In this course, students will...</p> <ul style="list-style-type: none"> • Learn stroke development, first aid, water rescue, water polo and diving • Practice basic skills, rules, and strategies in team sports such as soccer, basketball, softball, volleyball, and football • Experience individual sports including badminton, tennis, pickleball, and swimming • Evaluation will be based on participation, successful demonstration of specific sport skills, conditioning, test on rules, strategies, skills, team concepts, and scoring 			Fee required

Course: PYS008A/PYS008B		Basketball	
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: None			
<p>Basketball is all around us! Whether it's an NBA or WNBA game, a college rivalry, or a friendly game at the park, basketball is a year-round sport. Not only does playing basketball strengthen muscular endurance and improve balance and coordination, it develops self-confidence and lowers stress. In this course, students will...</p> <ul style="list-style-type: none"> • Improve fitness levels by learning and participating in basketball • Learn strategies and skills, as well as officiating techniques • Participate in basketball drills to hone skills • Develop communication skills to work more effectively as a team 			Fee required

Course: PYS003A/PYS003B		Beginning Dance
Grade: 9-12	All Year	Course offered at: AHS CDO
Prerequisites: None		
<p>Do you often find yourself listening to songs and dancing around the house? Do you dream of performing on stage in New York City? Do you want to learn to express yourself through rhythm and music? If you said YES to any of these questions, then Beginning Dance is just the course for you! Not only does dance help develop muscles, tone the body, and improve balance and coordination, dance is a BLAST! In this course, students will...</p> <ul style="list-style-type: none"> • Learn basic history, terminology, and techniques in ballet, tap, modern dance, and various forms of jazz dance • Experience improvisation • Develop performance skills • Perform on stage 		Fee required

Course: PYS004A/PYS004B		Intermediate Dance
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: Teacher recommendation		
<p>Do you have experience with dance and want to continue your training? If so, Intermediate Dance is the class for you! In this course, students will...</p> <ul style="list-style-type: none"> • Improve their existing dance skills in various styles of dance including jazz, ballet, modern and improvisational • Focus on technique, history, choreography, and performance of classical and contemporary dance genres • Continue to develop performance skills and perform in a dance concert each semester 		Fee required

Course: PYS005A/PYS005B		Advanced Dance
Grade: 9-12	All Year	Course offered at: AHS CDO
Prerequisites: Teacher recommendation and/or audition		
<p>Take your dance moves to the next level in Advanced Dance! Enjoy challenging opportunities such as teaching combinations to the entire class and conducting warm-ups when assigned. In this course, students will...</p> <ul style="list-style-type: none"> • Focus on ballet-the foundation of all dances • Integrate elements of Modern and Lyrical Dance • Develop skills in jazz dance and integrate these skills into the study of Hip Hop • Learn advanced skills in modern dance • Continue to develop performance skills and perform in a variety of dance concerts over the course of the school year 		Fee required

Course: PYS023A/PYS023B		Performance Dance	
Grade: 9-12	All Year	Course offered at: CDO	
Prerequisites: Auditions only			
Join the Dorado Dance Company and be a part of a group of dedicated dancers with a passion for expressing voice through creative movement and an eagerness to grow as performing artists. In this course, students will... <ul style="list-style-type: none"> • Discover new interests in various dance styles • Grow as a dancer and choreographer • Build new friendships • Participate in all after-school dance rehearsals leading up to both the Fall and Spring required Dance Concerts. 			Fee required

Course: PYS012A/PYS012B		Sports Conditioning	
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: None			
Comprehensive strength training with a focus on Olympic lifting and sports specific conditioning improves an athlete's athletic abilities including muscular strength, power, and flexibility. In this course, students will... <ul style="list-style-type: none"> • Participate in sport-specific conditioning • Engage in activities designed to improve muscular strength, power, agility, endurance, speed, and flexibility • Learn fitness components, including body composition and nutrition 			Fee required

Course: PYS013A/PYS013B		Advanced Sports Conditioning	
Grade: 10-12	All Year	Course offered at: CDO	
Prerequisites: Weight Training or Sports Conditioning and instructor approval			
Advanced Sports Conditioning takes strength training to a higher and more challenging level. Comprehensive strength training with a focus on Olympic lifting and sports specific conditioning improves an athlete's athletic abilities including muscular strength, power, and flexibility. In this course, students will... <ul style="list-style-type: none"> • Participate in sport-specific conditioning • Improve muscular strength, power, agility, endurance, speed, and flexibility 			Fee required

Course: PYS015A/PYS015B		Team Sports	
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS	
Prerequisites: None			
Participating in physical activity helps develop healthy bones, joints, and muscles, as well as improved academic performance. Participating in Team Sports strengthens interpersonal skills, peer relationships, and increases positive self-esteem. In this course, students will... <ul style="list-style-type: none"> • Have an opportunity to participate in volleyball, flag football, basketball, and softball. • Experience individual and dual sports, such as badminton, tennis, racquetball, handball, golf, pickle ball, fencing, track and field, swimming, and archery 			Fee required

Course: PYS016A/PYS016B		Tennis	
Grade: 9-12	All Year	Course offered at: IRHS	
Prerequisites: None			
<p>Tennis, a lifelong sport, requires alertness, focus, and problem-solving skills, as well as strategic and tactical thinking. Not only does Tennis improve your mental fitness, but it also improves your physical fitness, including increasing aerobic capacities, lowering body fat, and improving muscle tone, strength, and flexibility. In this course, students will...</p> <ul style="list-style-type: none"> • Learn about and demonstrate the fundamentals of stroke development • Experience individual and doubles positioning • Understand Tennis terminology, rules, concepts, and strategies through participation in individual and doubles play situations 			Fee required

Course: PYS007A/PYS007B		Total Body Fitness	
Grade: 9-12	All Year	Course offered at: IRHS	
Prerequisites: None			
<p>Interested in experiences that improve your fitness level in order to lose or gain weight, build muscle, and get in shape for the new sports season? If so, Total Body Fitness is the class for you! Join other students interested in taking their fitness to a whole new level! In this course, students will...</p> <ul style="list-style-type: none"> • Improve fitness levels, such as cardiovascular health, muscular strength and endurance, flexibility, agility, power, balance, speed, and endurance • Experience multiple exercise modalities that are modified, such as ladders, cone drills, weightlifting, and jumping rope 			Fee required

Course: PYS018A/PYS018B		Tumbling & Stunts I	
Grade: 9-12	Semester	Course offered at: AHS	
Prerequisites: None			
<p>Interested in developing skills in tumbling and stunts? Looking to improve your balance, strength, and agility? If so, Tumbling and Stunts I is the class for you. In this course, students will...</p> <ul style="list-style-type: none"> • Develop knowledge and skills in tumbling, stunts, and acrobatics • Progress from simple basics to more difficult and challenging skills • Build flexibility, balance, strength, agility, kinesthetic perception, rhythm, time, and self-confidence • Progress at their own rate and learn proper spotting techniques 			

Course: PYS019A/PYS019B		Tumbling & Stunts II
Grade: 10-12	Semester	Course offered at: AHS
Prerequisites: <i>Teacher approval & minimum skill level – front or back handspring, walkover, and straight-up extension</i>		
<p>Do you have extensive experience with tumbling and partner stunts? Would you like to advance your skills to a higher level? If so, Tumbling and Stunts II is the class for you! In this course, students will...</p> <ul style="list-style-type: none"> • Work on advanced tumbling skills • Engage in advanced partner stunting to increase strength, flexibility, timing, and kinesthetic perception • Teach other class members how to do tumbling and stunting skills 		

Course: PYS025A/PYS025B		Volleyball
Grade: 9-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>None</i>		
<p>Playing volleyball helps to strengthen the upper body, arms, shoulders, thighs, abdominals, and lower legs. In addition, playing volleyball teaches you the value of hard work, dedication, persistence, and respect. In this course, students will...</p> <ul style="list-style-type: none"> • Learn advanced strategies and skills in volleyball • Experience volleyball games, such as wallyball and 3-on-3 competitions • Develop skills in officiating techniques • Understand the value of physical fitness, health, and nutrition • Collaborate with team members on and off the court 		Fee required

Course: PYS021A/PYS021B		Weight Training
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>None</i>		
<p>Weight Training is a comprehensive conditioning course designed to improve a student’s athletic ability and athletic performance. In addition, weight training helps to increase muscle mass, bone density, and flexibility. In this course, students will...</p> <ul style="list-style-type: none"> • Learn basic weight training and conditioning skills, concepts, and principles • Work with the Weight Training Coach to personalize weight training and conditioning programs 		Fee required

SCIENCE COURSES

Course: SC1001A/SC1001B		Biology
Grade: 9-10	All Year	Course offered at: AHS CDO IRHS
Prerequisites: None		
<p>How do we determine if something is alive? Biology is the study of living organisms and their vital processes. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Using hands-on inquiry to investigate the patterns, stability and change in life forms and how they differ from non-life forms • Exploring how living things compete for energy and materials • Investigating theories of how disease, predation, habitat destruction, climate change and invasive species cause living things to change over time • Developing and using models to explain how cells function, communicate, multiply and die • Comparing and contrasting the benefits, detriments and controversies of modern technological advances in genetics and reproduction 		

Course: SC1016A/SC1016B		Honors Biology
Grade: 9	All Year	Course offered at: CDO IRHS
Prerequisites: Algebra I		
<p>How do we determine if something is alive? Biology is the study of living organisms and their vital processes. Students will have the opportunity to investigate topics with more depth and at an accelerated pace as compared to Biology 1001/2001. In this course, students will practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Exploring carbon-based life forms at the cellular level • Becoming acquainted with the field of biotechnology • Examining heredity at the molecular level • Investigating theories of how disease, predation, habitat destruction, climate change and invasive species cause living things to change over time • Practicing in-depth problem-solving and designing authentic experiments • Opportunities to work independently at an accelerated pace <p>This course carries a weighted grade.</p>		

Course: SCl017A/SCl017B		Anatomy and Physiology
Grade: 11-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Two years of science, including Biology, and current science teacher approval required</i>		
<p>This course is for anyone who is interested in learning more about the human body and its many systems, functions and structures. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via</p> <ul style="list-style-type: none"> • Exploring human body structures and functions • Performing dissections of muscles and organs • Exploring the collaboration between bones and muscles • Investigating how body systems maintain homeostasis <p><i>Fee applied to students taking this as a fourth science course.</i></p>		

Course: SCl034A/SCl034B		Astronomy I – Planetary Science
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: <i>Completion of two years of science classes and current science teacher approval required</i>		
<p>Astronomy is for anyone who is interested in planets, galaxies, stars cosmology and all things outer space. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Designing experiments to investigate star formations and deaths • Exploring the theories of origin of the universe, galactic formations, worm holes and black holes • Doing projects that investigate deep space science including planets, exoplanets, nebula, quasars and constellations • Making connections between Earth and Space systems and cycles • Comparing the historical and current tools and techniques of astronomy 		

Course: SCl018A/SCl019B		AP Biology
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Grade of A/B in Chemistry and Biology and teacher recommendation</i>		
<p>This is an accelerated, college-level course. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • An in-depth, accelerated, college-level study of living organisms and their vital processes • Following College Board protocols • Exploring how the relationships between biological systems connect to biodiversity, heredity and evolution • Preparing for success on the AP exam • Practicing independent study skills • For more information on this class, please visit the AP site. <p><i>Fee applied to students taking this as a fourth science course.</i> This course carries a weighted grade.</p>		

Course: CTS137A/JTS137A CTS137B/JTS137B		Bioscience I
Grade: 10-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Biology</i>		
<p>Bioscience/Biotechnology is one of the fastest growing industries in the United States, and there is a thriving bioscience community here in Tucson. This course equips students with technical skills that could lead to an exciting career in bioscience via:</p> <ul style="list-style-type: none"> • Practicing the laboratory skills and techniques necessary to isolate, analyze and identify DNA, proteins, bacteria and enzymes • Gaining authentic, necessary technical skills used in bioscience/biotechnology • Investigating plant-based antibiotics, GMO identification, biofuels and genetic engineering • Applying and practicing collaboration and problem-solving skills <p><i>Dual enrollment with UA's MCB 101 is available.</i> This course carries a weighted grade.</p>		Fee required

Course: CTS139A/JTS139A CTS139B/JTS139B		Bioscience II
Grade: 11-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Bioscience I</i>		
<p>Bioscience/Biotechnology is one of the fastest growing industries in the United States, and there is a thriving bioscience community here in Tucson. This course further equips students with technical skills that could lead to an exciting career in bioscience via:</p> <ul style="list-style-type: none"> • Expanding and practicing the techniques learned in Bioscience I • Performing experiments with cellular cloning, DNA bar coding, designing biosensors, plant tissue culturing and more • Designing your own, Independent research project with the guidance of qualified expert(s), conducted in an on/off campus research facility and presenting your findings at a Regional science fair • Exploring off-site research facilities and career opportunities <p><i>Dual enrollment with UA's MCB 102 is available.</i> This course carries a weighted grade.</p>		Fee required

Course: CTS136A/JTS136A CTS136B/JTS136B		Bioscience III
Grade: 12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Bioscience II</i>		
<p>Bioscience/Biotechnology is one of the fastest growing industries in the United States, and there is a thriving bioscience community here in Tucson. This course continues to equip students with technical skills that could lead to an exciting career in bioscience via:</p> <ul style="list-style-type: none"> • Expanding and practicing the techniques learned in Bioscience I & II • Performing advanced DNA, RNA and protein experiments including isolating the genetic materials of human traits, manipulating human traits expression, and enzyme purification • Exploring the relationships between DNA modification and human behaviors • Designing your own, Independent research project with the guidance of qualified expert(s), conducted in an on/off campus research facility and presenting your findings at a Regional science fair • Exploring off-site research facilities and career opportunities <p><i>Dual enrollment with UA's MCB 103 is available.</i> This course carries a weighted grade.</p>		Fee required

Course: SC1003A/SC1003B		Chemistry
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Concurrent enrollment in Algebra II preferred; current science teacher approval required</i>		
<p>Chemistry is the study of the behaviors and characteristics of matter- and matter is what makes up all things, both living and non-living. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Developing and using models to explore atomic structure • Investigating chemical reactions, conservation of matter, gas laws, chemical bonding and acid-base characteristics • Investigating phenomena through analytical laboratory experiments • Evaluating how the use of chemistry-related technologies have impacted societies ethically, socially, politically and economically • Practicing laboratory skills and accuracy goals <p><i>Fee applied to students taking this as a fourth science course.</i></p>		

Course: SClo14A/SClo14B		Honors Chemistry
Grade: 11	All Year	Course offered at: IRHS
Prerequisites: Concurrent enrollment in Pre-Calculus or above; successful completion of Physics or Honors Physics; teacher recommendation required		
<p>Chemistry is the study of the behaviors and characteristics of matter- and matter is what makes up all things, both living and non-living. Students will have the opportunity to investigate topics with more depth and at an accelerated pace as compared to Chemistry 1003/2003. This Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Opportunities to work independently at an accelerated pace • Preparing for success in AP Chemistry • Developing and using modes to explore atomic structure • Investigating chemical reactions, conservation of matter, gas laws, chemical bonding and acid-base characteristics • Investigating phenomena through analytical laboratory experiments • Practicing laboratory skills and accuracy goals <p>This course carries a weighted grade.</p>		Fee required

Course: SClo19A/SClo19B		AP Chemistry
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Grade of A/B in Biology and Geometry; concurrent enrollment in Algebra II or above; current science teacher approval required; at AHS, Chemistry must be taken as a prerequisite		
<p>This is an accelerated, college-level course. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • An in-depth, accelerated, college-level study of the behaviors and characteristics of matter • Following College Board protocols • Exploring how atomic theory connects to stoichiometry, gas laws, valence bonding, thermodynamics, qualitative analysis and more • Preparing for success on the AP exam • Practicing independent study skills • At CDO, this course combines Honors Chemistry and AP Chemistry into a one-year, two-credit course • For more information on this class, please visit the AP site. <p><i>Fee applied to students taking this as a fourth science course.</i></p> <p>This course carries a weighted grade.</p>		Fee required

Course: SClo30A/SClo30B		Earth & Space Science
Grade: 10-12	All Year	Course offered at: CDO
Prerequisites: <i>Biology</i>		
<p>This course is for anyone who is interested in learning more about the interconnections between land, oceans and the atmosphere that continuously shape, influence and sustain Earth and its inhabitants. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Exploring Earth’s dynamic systems of atmosphere, hydrosphere, biosphere and geosphere • Investigating plate tectonics, the formation of rocks and minerals and forces that shape our planet • Evaluating how climate affects Earth’s resources • Making connections between outer space and Earth’s systems 		
<i>Fee applied to students taking this as a fourth science course.</i>		

Course: SClo31A/SClo31B		Environmental Science
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Current science teacher approval required</i>		
<p>This course is for anyone who is interested in learning more about the interconnections between humans and our Earth. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Exploring the relationship between humans and our planet Earth through the perspectives of Biology, Earth Science, Chemistry, Math, History, Philosophy, Sociology and Law • Investigating the interrelationships of the natural world • Analyzing past and current environmental problems • Evaluating risks of potential solutions to environmental problems 		
<i>Fee applied to students taking this as a fourth science course.</i>		

Course: SClo20A/SClo20B		AP Environmental Science
Grade: 11-12	All Year	Course offered at: AHS
Prerequisites: <i>Biology and a Physical Science (Physics, Chemistry, Environmental Science or Earth/Geoscience) and current science teacher approval required</i>		
<p>This is an accelerated, college-level course. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • An in-depth, accelerated, college-level study of the interactions between humans and our Earth • Following College Board protocols • Exploring land and water use, pollution, global climate change, energy resources and species extinction • Preparing for success on the AP exam • Practicing independent study skills • For more information on this class, please visit the AP site. <p><i>Fee applied to students taking this as a fourth science course.</i> This course carries a weighted grade.</p>		

Course: SClo06A/SClo06B		Forensics
Grade: 10-12	All Year	Course offered at: AHS (Semester) CDO IRHS
Prerequisites: <i>Biology, Physics, Chemistry or instructor approval</i>		
<p>Forensics is for anyone interested in the science of solving crimes. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Learning how to investigate a crime scene for evidence • Practicing modern techniques to solve a crime • Exploring the current disciplines and career opportunities contained within Forensic Science <p><i>Fee applied to students taking this as a fourth science course.</i></p>		

Course: SClo07A/SClo07B		Geosciences
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>None</i>		
<p>Geoscience is for anyone interested in learning more about the origins and unique characteristics of our Earth. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Performing hands-on investigations of Earth's origins and pre-human environments • Exploring Earth's most dangerous locations and natural disasters • Investigating technological tools for natural disaster detection and prevention • Analyzing risk factors for Earth's most populated regions • Combining astronomy, geology, volcanology and seismology to analyze Earth and its continents 		

Course: SCl010A/SCl010B		Oceanography
Grade: 10-12	Semester	Course offered at: AHS
Prerequisites: <i>At least one credit of high school science</i>		
<p>Oceanography is for anyone interested in learning more about our Earth's oceans. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Exploring recent discoveries of the deep sea floor • Performing laboratory experiments to Investigate multiple characteristics of the ocean, including marine life, tides, currents, pressure, salinity and topography • Examining current topics in ocean research 		

Course: SCl011A/SCl011B		Conceptual Physics
Grade: 10-12	All Year	Course offered at: IRHS
Prerequisites: <i>Successful completion of Biology</i>		
<p>Physics is all around you: It's embedded within your five senses and helps you to understand how energy, forces and motion influence how the universe behaves. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Exploring how physics concepts connect to the everyday world • Performing hands-on experiments to investigate mechanics, energy, electricity, magnetism, waves and optics • Receiving additional support with mathematics, for improved understanding of physics concepts and enhancement of skills 		

Course: SCl012A/SCl012B		Physics
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Grade of "C" or better in Algebra I and current science teacher approval required</i>		
<p>Physics is all around you: It's embedded within your five senses and helps you to understand how energy, forces and motion influence how the universe behaves. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Exploring how physics concepts connect to the everyday world • Performing hands-on experiments to investigate energy, electricity, magnetism, waves, optics, mechanics and kinematics • Developing and use models to explore Newton's Laws of Motion 		

Course: SCl015A/SCl015B		Honors Physics
Grade: 10-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Grade of A/B in Geometry and concurrent enrollment in Algebra II or higher and current science teacher approval required</i>		
<p>Physics is all around you: It's embedded within your five senses and helps you to understand how energy, forces and motion influence how the universe behaves. Students will have the opportunity to investigate topics with more depth and at an accelerated pace as compared to Physics 10012/20012. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via:</p> <ul style="list-style-type: none"> • Opportunities to work independently at an accelerated pace • Preparing for success in AP Physics • Performing hands-on experiments to investigate energy, electricity, magnetism, waves, optics, mechanics and kinematics • Designing and implementing experiments and interpreting results using high-level math skills <p>This course carries a weighted grade.</p>		

Course: SCl022A/SCl022B		AP Physics I
Grade: 10-12	All Year	Course offered at: AHS
Prerequisites: <i>Concurrent enrollment in (or completion of) Algebra II and current science teacher approval required</i>		
<p>This is an accelerated, college-level course. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via</p> <ul style="list-style-type: none"> • An in-depth, accelerated, algebra-based, college-level investigation of physics concepts • Following College Board protocols • Exploring mechanics, work, energy, power and waves • Preparing for success on the AP exam • Practicing independent study skills • For more information on this class, please visit the AP site. <p><i>Fee applied to students taking this as a fourth science course.</i></p> <p>This course carries a weighted grade.</p>		

Course: SClo23A/SClo23B		AP Physics C: Mechanics
Grade: 11-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Concurrent enrollment in (or completion of) Calculus and current science teacher approval required</i>		
<p>This is an accelerated, college-level course. Students will have the opportunity practice critical thinking, problem-solving, collaboration and communication via</p> <ul style="list-style-type: none"> • An in-depth, accelerated, calculus-based, college-level investigation of physics concepts • Following College Board protocols • Exploring forces and motion, work, energy, momentum, vectors and gravity • Preparing for success on the AP exam • Practicing independent study skills • For more information on this class, please visit the AP site. <p><i>Fee applied to students taking this as a fourth science course.</i></p> <p>This course carries a weighted grade.</p>		

SKILLED AUTOMOTIVE & CONSTRUCTION TRADES

Automotive Diesel Technologies		<u>Courses must be taken in sequence:</u>	
		Automotive Diesel I (Year 1) CTS210A/JTS210A CTS210B/JTS210B	
		Automotive Diesel II (Year 2) CTS211A/JTS211A CTS211B/JTS211B	
		Automotive Diesel III (Year 3) CTS212A/JTS212A CTS212B/JTS212B	
		Automotive Diesel IV (Optional Year 4) CTS213A/JTS213A CTS213B/JTS213B	
Automotive Diesel Intern (Optional) CTS215A/CTS215B			
Grade: 9-12	3 Year Program	Program offered at: AHS	
<p>Your skills will always be in demand across several industries.</p> <ul style="list-style-type: none"> • Learn techniques and skills of basic automotive care in the first year of the program, including tire mounting, tire balancing, cooling systems, brake replacement, and oil changes • Learn to use advanced computer diagnostics to troubleshoot and repair modern auto-diesel systems • Perform repair, service, and preventive maintenance operations on auto-diesel engines, chassis, and powertrains • Learn maintenance and repair of systems on medium-duty and heavy-duty equipment • Students can demonstrate their skills in regional, state, and national SkillsUSA competitions 			Fee required

Automotive Technologies		<u>Courses must be taken in sequence:</u>	
		Automotive Technology I (Year 1) CTS161A/JTS161A CTS161B/JTS161B	
		Automotive Technology II (Year 2) CTS162A/JTS162A CTS162B/JTS162B	
		Automotive Technology III (Year 3) CTS163A/JTS163A CTS163B/JTS163B (9 credits from PCC available for Year 3)	
		Automotive Technology IV (Optional Year 4) CTS160A/JTS160A CTS160B/JTS160B	
Automotive Technology Internship (Optional) CTS164A/CTS164B			
Grade: 9-12	3 Year Program	Program offered at: CDO	
<p>This high-tech career is always in demand and cannot be outsourced overseas</p> <ul style="list-style-type: none"> • Learn all basic automotive techniques and skills, including tire mounting, tire balancing, cooling systems flushes, brake replacement, and oil changes • Receive instruction on basic and advanced engine fundamentals • Demonstrate understanding of electrical circuitry in transportation applications • Work-based learning instruction to advance knowledge in suspension and brakes • Analysis of engine performance and drivetrain • Students can demonstrate their skills in regional, state, and national SkillsUSA competitions 			Fee required

Construction Technology		<u>Courses must be taken in sequence:</u>	
		Construction Technology I (Year 1) CTS165A/JTS165A CTS165B/JTS165B	
		Construction Technology II (Year 2) CTS166A/JTS166A CTS166B/JTS166B	
		Construction Technology III (Optional Year 3) CTS167A/JTS167A CTS167B/JTS167B (16 credits from PCC available for Year 3)	
		Construction Technology IV (Optional Year 4) CTS169A/JTS169A CTS169B/JTS169B	
		Construction Technology Internship (Optional) CTS168A/CTS168B	
Grade: 9-12	2 Year Program	Program offered at: CDO	
Be part of an exciting and ever-changing career that combines creativity and technology. <ul style="list-style-type: none"> • Learn to safely use hand tools and power tools and about staining/lacquering, estimating, carpentry, electrical, masonry, plumbing, sheet metal, and welding • Gain experience in reading plans and developing skills through hands-on learning and application • Complete small and large construction projects including playhouses, picnic tables, converting a mobile container to a home, and building a camping trailer • Students can demonstrate their skills in regional, state, and national SkillsUSA competitions 			Fee required

Technical Theater		<u>Courses must be taken in sequence:</u>	
		Technical Theater I (Year 1) CTS170A/JTS170A CTS170B/JTS170B	
		Technical Theater II (Year 2) CTS171A/JTS171A CTS171B/JTS171B	
		Technical Theater III (Year 3) CTS173A/JTS173A CTS173B/JTS173B	
		Technical Theater IV (Year 4) CTS174A/JTS174A CTS174B/JTS174B	
Grade: 9-12	2 Year Program	Program offered at: AHS CDO IRHS	
Students will be prepared for immediate employment in entry-level jobs and to pursue training and education at a 2-year or 4- year college or university. <ul style="list-style-type: none"> • Learn the fundamentals of how to put on a theatrical production • Operate the school's digital stage equipment • Design and build elements of scenery, props, costumes, sound, stage makeup, and lighting for the various performances • Run various shows throughout the year in both the main stage and blackbox • Operate equipment safely 			Fee required

Welding		<u>Courses must be taken in sequence:</u>	
		Welding Technologies I (Year 1) CTS236A/JTS236A CTS236B/JTS236B	
		Welding Technologies II (Year 2) CTS237A/JTS237A CTS237B/JTS237B	
		Welding Technologies Internship (Optional Year 3) CTS238A/CTS238 B	
Grade: 9-12	2 Year Program	Program offered at: AHS	
Learn how to heat metal for a wide range of opportunities in an industry always in need. <ul style="list-style-type: none"> • Apply technical knowledge and skills to join or cut metal surfaces • Specialized instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards 			Fee required

SOCIAL STUDIES COURSES

Course: SOCo05/SOCo05B		World History
Grade: 9-10	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>None</i>		
<p>The World History course is designated to build a foundation for understanding the beginnings of human history across different cultures and civilizations in both Western and non-Western societies. Emphasis will be placed on the interaction among world cultures, the linking of the past and present, and the importance of the relationship between geography and history. Students will learn ideas and concepts which bridge the time and space between the ancient and the modern world, including the development of art, philosophy, and religion. They will learn that change, conflict, and cooperation are key concepts to understand as civilizations.</p>		

Course: SOCo10/SOCo10B		AP World History
Grade: 9-10	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Teacher recommendation</i>		
<p>The purpose of this course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. The chronological time frame covered is from approximately 8000 BCE to the present. Course content covers ten geographic regions including Asia, Africa, Latin America, and Europe. This course is designed to prepare students to take the Advanced Placement World History Exam for potential college credit. See college credit requirements in this catalog. For more information on this class, please visit the AP site. This course carries a weighted grade.</p>		

Course: SOCo01A/SOCo01B		US/AZ History
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>None</i>		
<p>This course is designed to cover the development of the United States from the pre-Columbian time period to present day. Arizona history will be integrated into both semesters to satisfy the Arizona State Standards.</p>		

Course: MSCo24A/MSCo24B		Model United Nations (MUN)
Grade: 10-12	All Year	Course offered at: IRHS
Prerequisites: <i>None</i>		
<p>In this elective class, students will learn about the purpose, functions, and procedures of the United Nations. MUN is a simulation of the diplomacy, problem-solving, and responsibilities of the United Nations. This class requires intensive research, writing, and public speaking skills. It is an academically challenging course which underscores diplomatic relations as the means to solve the world's most pressing problems. Students attend a regional MUN conference as simulated diplomats, responsible for discovering the most desirable solution to an international problem for their state. The course seeks to prepare students to take on the role of delegate, while creating a better understanding of the United Nations, international politics, and the problems facing the global community. This course carries a weighted grade.</p>		

Course: SOCo18A/SOCo18B		Psychology I
Grade: 10-12	All Year	Course offered at: CDO IRHS (Semester)
Prerequisites: None		
<p>Psychology is the study of behavior and the development of personality. How does nature vs. nurture contribute to a person's development? What aspects of human development determine who we become? The topics covered in this introductory course include the history of psychology, research methods, and states of consciousness (daydreams, sleep, dreams, hypnosis, and extra-sensory perception). Additionally, the topics covered in this introductory course include: learning, memory cognition, and a particular emphasis on human development (the human lifespan from birth to death). Through this course, students will gain insight into the motivations determining behavior through various techniques such as observations, surveys, case studies, individual analysis, and numerous group/class interactions. This class can be taken independently from Psychology II.</p>		

Course: SOCo19A/SOCo19B		Psychology II
Grade: 11-12	Semester	Course offered at: IRHS (Semester)
Prerequisites: None		
<p>The topics covered in this introductory course include learning, memory and cognition, developmental psychology (the human lifespan-from birth to death and every stage in between), personality theories, traits and testing, abnormal psychology commonly called psychological disorders and, finally, treatment of disorders. This class can be taken independently from Psychology I.</p>		

Course: SOCo11A/SOCo11B		Economics
Grade: 12	Semester	Course offered at: AHS CDO IRHS
Prerequisites: None		
<p>Economics is a one-semester course that examines how society counters unlimited wants with limited resources and government's role in the economy. Students will gain an understanding of basic economic principles, including an introduction to economic theory, supply and demand, money systems, banking and investing, globalization, and personal finance.</p>		

Course: SOCo07A/SOCo07B		AP Psychology
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: None		
<p>This college-level Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of humans. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub-fields within psychology. Topics include social psychology, research methods, sensation & perception, motivation & emotion, states of consciousness, learning, memory and cognition, developmental psychology, personality theories, traits and testing, psychological disorders and treatment, in addition to the structure and function of the brain ("Biological Bases of Behavior"). One quarter (25%) of the MCAT (Medical College Admission Test) will come directly from the AP Psychology curriculum. Students interested in pursuing any career in the field of medicine should consider taking this class. For more information on this class, please visit the AP site. This course carries a weighted grade.</p>		

Course: SOCo4oA/SOCo4oB		AP Human Geography
Grade: 9-12	All Year	Course offered at: IRHS
Prerequisites: Prepared for AP workload		
<p>In this elective AP class, students will be introduced to the systematic study of patterns and processes that have shaped human understanding, us and altered the Earth’s surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and application. For more information on this class, please visit the AP site. This course carries a weighted grade.</p>		

Course: SOCoo8/SOCoo8B		AP US History
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: World History/AP World History		
<p>This AP US History course expands on the history of the Americas from 1491 to 1607 and from 1980 to the present. The course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and an understanding of content learning objectives organized around seven themes, such as identity, peopling, and America in the world. AP US History is designed to be the equivalent of a two-semester introductory college or university US History course. For more information on this class, please visit this AP site. This course carries a weighted grade.</p>		

Course: SOCoo3A/SOCoo3B		American Government
Grade: 12	Semester	Course offered at: AHS CDO IRHS
Prerequisites: None		
<p>In this course, students will examine the structure and function of the American government as outlined by the Constitution. The specific powers and formal processes of the legislative, executive, and judicial branches will be presented as well as the mechanisms of the federal system. Political parties, voter behavior, and current issues will be discussed in the context of contemporary political climate.</p>		

Course: SOCoo2A/SOCoo2B		AP American Government and Politics
Grade: 12	All Year	Course offered at: AHS CDO (Semester) IRHS (Semester)
Prerequisites: AP US History or teacher recommendation		
<p>This course will provide students with a learning experience equivalent to that obtained in most college introductory U.S. Government and Politics courses. Students will examine the Constitutional underpinnings of American democracy, the structure and function of the branches of government, the federal system, checks and balances, political ideologies and parties, interest groups and mass media, voting behavior, public policy, civil rights and civil liberties. For more information on this class, please visit the AP site. This course carries a weighted grade.</p>		

Course: SOCoo6A/SOCoo6B		AP Economics
Grade: 11-12	Semester	Course offered at: CDO IRHS
Prerequisites: <i>Algebra I</i>		
<p>This course prepares students for the AP College Board Microeconomics and Macroeconomics exams in May. The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economics system. For the macroeconomics portion of the AP course, the purpose is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. For more information on this class, please visit these AP sites (Microeconomics and Macroeconomics). This course carries a weighted grade.</p>		

SPECIAL EDUCATION COURSES

Course: ENG001A/ENG001B		Resource English 9
Grade: 9	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Placement by IEP</i>		
<p>The focus of this course is to increase literacy skills – reading and writing. Instruction will include specific skills from the Arizona State Standards that include vocabulary development, grammar and usage, spelling, sentence, paragraph, and essay structure. The writing process will be introduced and practiced. Students will be expected to type final draft writing assignments using the school computer lab. Reading instruction includes an intensive study of the elements of fiction and figurative language, analysis and discussion using short stories and novels. Oral presentations and projects will be integrated into the curriculum. Independent reading is expected at home and in the classroom. Homework is assigned.</p>		

Course: ENG002A/ENG002B		Resource English 10
Grade: 10	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Placement by IEP</i>		
<p>The focus of this course is to increase literacy skills – reading and writing. The writing process from prewriting to revision will be a year-long focus. Essay development will include narrative, persuasive, workplace writing, and expository genres. Typed final drafts will be required for some essays. Students will read, discuss, and analyze selected poetry, short stories, drama, and nonfiction text from a survey of World Literature and selected novels. Vocabulary development is a continued focus. Oral presentations and projects will be integrated into the curriculum. Preparation for standardized testing is emphasized. Independent reading is expected at home and in the classroom. Homework is assigned.</p>		

Course: ENG003A/ENG003B		Resource English 11
Grade: 11	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Placement by IEP</i>		
<p>The focus of this course is to increase literacy skills – reading and writing. Writing skills, with an emphasis on essay development, is a continued focus. Essay requirements will include narrative, persuasive, and expository assignments. Reading will include the analysis and discussion of selections from a survey of American Literature and selected novels. Vocabulary is a continued focus. Oral presentations and projects will be integrated into the curriculum. Preparation for standardized testing is a continued emphasis. Independent reading is expected at home and in the classroom. Homework is assigned.</p>		

Course: ENGO04A/ENGO04B		Resource English 12
Grade: 12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Placement by IEP		
<p>The focus of this course is to increase literacy skills – reading and writing. Writing will include required expository, narrative, and persuasive essays as well as a research writing assignment. Reading assignments will include short stories, poetry, and drama from a survey of World Literature and required novels. Analysis and discussion of reading material will be the focus of writing assignments. A senior exit project will be required. Post-high school plans for the workplace or college will be explored. Oral presentations and projects will be integrated into the curriculum. Preparation for standardized testing is emphasized. Independent reading is expected at home and in the classroom. Homework is assigned.</p>		

Course: MTHo22A/MTHo22B		Resource Pre-Algebra
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Placement by IEP		
<p>This course covers objectives needed to enroll in the Algebra Standards mainstream course. Accelerated math, basic skills, and pre-algebra libraries reinforce needed pre-algebra skills.</p>		

Course: MTHo20A/MTHo20B		Resource Algebra I
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Placement by IEP		
<p>This course focuses on linear equations and their properties, formulas, and applications, and an introduction to quadratic equations. Students will work with basic algebraic applications, variables, exponents and polynomials, factoring, irrational and radical numbers, and basic statistics.</p>		

Course: MTHo11A/MTHo11B		Resource Intermediate Algebra
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Placement by IEP		
<p>This course is designed to provide students with a foundation of entry-level algebraic applications. It is a bridge between Algebra I and Algebra II for students who need further development in the concepts of critical algebra skills necessary for success in applying mathematical ideas.</p>		

Course: MTHo21A/MTHo21B		Resource Geometry
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Placement by IEP		
<p>This course focuses on plane geometry and simple proofs. It is designed to prepare students for a mainstream mathematics course. Topics include lines, transversals, triangles and quadrilaterals, transformations, perimeter and area, circles and spheres, and solid geometric figures.</p>		

Course: PYS010A/PYS010B		Adaptive Physical Education
Grade: 9-12	Semester	Course offered at: AHS CDO IRHS
Prerequisites: Placement by IEP		
This course is designed to provide a modified physical education class for students with physical limitations that do not allow them to succeed in a traditional physical education class.		

Course: SClo25A/SClo25B		Resource Biology
Grade: 9-12	All Year	Course offered at: IRHS
Prerequisites: Placement by IEP		
Students will be asked essential questions. What does it mean to be alive? Is DNA destiny? Was Darwin right? Students will examine life on our planet from a biological perspective. Students will examine a wide variety of topics connected to the study of life with an emphasis on experimental design and data analysis. Students will understand that life is dependent on the relationships between organisms and their past, present, and future environments and that evolution drives the natural world.		

Course: SClo26A/SClo26B		Resource Integrated Science
Grade: 9-12	All Year	Course offered at: CDO IRHS
Prerequisites: Placement by IEP		
This course is designed for a third year Special Education science student or a mainstreamed science student who needs a third year science requirement. Students will explore the topic areas of biology, human and animal anatomy, physical science, and earth science. Lab experiments and projects are requirements for this course. Science career exploration will be covered in each unit. Classroom experiences will also include community involvement and subject-related guest speakers. State science standards are addressed throughout the course. Lab reports, research projects, and presentations are requirements of this course.		

Course: SOC035A/SOC035B		Resource Economics
Grade: 12	Semester	Course offered at: AHS CDO IRHS
Prerequisites: Placement by IEP		
In this required course, students will develop economic reasoning skills to apply to basic microeconomic and macroeconomic concepts. Students will gain practical knowledge to apply to their personal experiences.		

Course: SOC021A/SOC021B		Resource American Government
Grade: 12	Semester	Course offered at: AHS CDO IRHS
Prerequisites: Placement by IEP		
Students will examine the fundamental principles and structure of American national and state governments through multiple forms of coursework. Reading for central ideas, citing textual evidence, and analyzing various accounts of government. Writing to support claims, analysis, reflect, and research in an informative text to examine and convey ideas of government. Civic responsibilities will be studied and discussed. Political behavior of the American people and government officials will be reviewed in the context of contemporary issues.		

Course: SOCo22A/SOCo22B		Resource US History
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Placement by IEP</i>		
<p>Students will explore the history of the United States through multiple forms of coursework. Reading for central ideas, citing textual evidence, and analyzing various accounts of history. Writing to support claims, analysis, reflect, and research in an informative text to examine and convey ideas of history. Technology and collaboration will be used to produce projects that examine key historical events. By the end of the course, students will have greater understanding of the United States and how its citizens are unique among the nations of the world.</p>		

Course: SOCo23A/SOCo23B		Resource World History
Grade: 10	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Placement by IEP</i>		
<p>Students will explore the roots of Western Civilization through multiple forms of coursework. Reading for central ideas, citing textual evidence, and analyzing various accounts of history. Writing to support claims, analysis, reflect, and research in an informative text to examine and convey ideas of history. Technology and collaboration will be used to produce projects that examine key historical events. By the end of the course, students will have a greater understanding of how history can be used to help explain the complex world that surrounds them.</p>		

Course: SPCo02A/SPCo22B		Careers
Grade: 11-12	All Year	Course offered at: CDO IRHS
Prerequisites: <i>Placement by IEP</i>		
<p>This class provides a hands-on approach to managing and maintaining a small business. Activities include sales and marketing strategies, packaging and financial skills, ordering and purchasing products and supplies, inventory control, and performance evaluations. Students participate in business meetings, sales, and classroom instruction.</p>		

Course: SPCo05A/SPCo05B		Life Skills-Daily Living Skills
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Placement by IEP</i>		
<p>In this class, students learn the necessary skills for the most independent living possible. Students learn basic household management and independent living skills such as accessing a grocery store and other community facilities, doing laundry, safely accessing the kitchen to cook simple meals, food safety, washing dishes, keeping a clean home, proper nutrition, gardening, and maintaining appropriate social interactions and leisure time activities.</p>		

Course: ENGo14A/ENGo14B		Life Skills-English
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Placement by IEP		
<p>Students in this class will learn to recognize and effectively use real-world text. Students continue to practice basic decoding and word recognition when appropriate as well as recognition and identification of important survival and community words. The focus will be on reading comprehension through real-world reading materials such as menus, bus schedules, finding information in a newspaper, and exploring fiction for leisure. Students will also practice writing for functional purposes.</p>		

Course: MTHo19A/MTHo19B		Life Skills-Mathematics
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Placement by IEP		
<p>Students who are enrolled in this class will learn the everyday basic math skills to assist them in having the most independent living situation as is appropriate for them. Skills taught are basic money awareness and management from counting coins to maintaining a checking account, time awareness and management, basic real-world problem-solving, and computation skills. Kitchen math such as basic fractions and elapsed time are also integrated into the class.</p>		

Course: SCloogA/SCloogB		Life Skills-Science
Grade: 9-12	All Year	Course offered at: AHS CDO
Prerequisites: Placement by IEP		
<p>Students in this class will learn basic science content that is integrated into reading, writing, and math assignments. Skills taught in this class will focus on functional academics through content that draws from current events. Students will also learn the impact of science on their everyday lives including weather, cooking temperatures, recycling, etc.</p>		

Course: SOCo15A/SOCo15B		Life Skills-Social Studies
Grade: 9-12	All Year	Course offered at: AHS CDO
Prerequisites: Placement by IEP		
<p>Students in this class will learn basic social studies content that is integrated into reading, writing, and math assignments. Skills taught in this class will focus on functional academics through content that draws from current events. Students will also learn the impact of social studies on their everyday lives, including: civic duties, rules/laws, and community involvement.</p>		

Course: SPCoo5bwsA/SPCoo5bwsB		Life Skills-Basic Work Skills
Grade: 9-12	All Year	Course offered at: AHS IRHS
Prerequisites: Placement by IEP		
<p>This class provides the basic building blocks for a successful transition into fulfilling postsecondary opportunities in competitive or supported employment. Students will begin to explore and research their postsecondary interests as well as learn soft skills necessary for employment such as timeliness, effective communication, task completion, teamwork, and working with a supervisor. Students participate in a wide range of classroom, campus jobs, and community jobs and exploration under the close supervision of an adult.</p>		

Course: ENGo20/021/022/023 (A/B)		Self-Contained English
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>Placement by IEP</i>		
<p>Students in this class will learn to recognize and effectively use real-world text. Students continue to practice basic decoding and word recognition when appropriate as well as recognition and identification of important survival and community words. Students learn to read menus, bus schedules, find information in a newspaper, explore fiction for leisure, and practice writing for functional purposes.</p>		

Course: MTHo23A/MTHo23B		Self-Contained Mathematics
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>Placement by IEP</i>		
<p>Students who are enrolled in this class will learn the everyday basic math skills to assist them in having the most independent living situation as is appropriate for them. Skills taught are basic money awareness and management from counting coins to maintaining a checking account, time awareness and management, basic real-world problem-solving, computation skills, and kitchen math such as basic fractions and elapsed time.</p>		

Course: SPCo09A/SPCo09B		Study Skills
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Placement by IEP</i>		
<p>This course assists students in a majority of core academic general education classes. An emphasis is placed on organization of class materials, preparation for tests, study techniques and learning strategies, as well as time to do class assignments and projects. In addition, students are asked to monitor their own progress through grade reports, which promotes self-reflection, self-advocacy, and goal setting. Use of a planner is required for this course.</p>		

SPECIALIZED COURSES

Course: MSCo45A/MSCo45B		Academic Intervention
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>Placement by teacher or coach recommendation</i>		
<p>This course will target identified students with the intent of offering specific intervention on the skills these students need most. The overarching goal of this course would be to remediate basic math and literacy skills so students can be successful in their current classes. This class has a dual focus; targeted remediation of skills that have been identified and coaching the student in how to be successful by relying on research surrounding attendance, study skills, and self-advocacy. Elective credit only.</p>		

Course: MSCoogA/MSCoogB		Career Internship
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Students must be 16 years old and have minimum 2.5 GPA and no core course deficiencies</i>		
<p>Career Internship provides students a powerful opportunity to engage in authentic learning by sampling targeted work experience that applies previous academic and volunteer knowledge and skills. Being an intern requires full participation in 9 weeks of pre-placement training workshops.</p> <p>Career Internships are overseen by the Program Coordinator and include mentoring, completion of a formal training plan, logs, and performance evaluations. Earn 1 credit for a total of 180 hours.</p> <ul style="list-style-type: none"> • Unpaid • Students find their own opportunities • On-campus (Teacher’s Assistant/Office Aide), in-district or out-of-district placement • May lead to full time work and college scholarships 		

Course: CTSXXXA/CTSXXXB		CTE Internship
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Students must be 16 years old and have minimum 2.5 GPA, no core course deficiencies, and be a CTE Career Cluster Concentrator who has successfully passed the state assessment</i>		
<p>The CTE Internship provides CTE students a powerful opportunity to engage in authentic learning by participating in a structured work experience that applies previously developed CTE knowledge and skills. Being an intern requires full participation in 9 weeks of pre-placement training workshops.</p> <p>CTE Internships are overseen by the Program Coordinator and include mentoring, completion of a formal training plan, logs, and performance evaluations. Earn 1 credit for a total of 180 hours.</p> <ul style="list-style-type: none"> • Skills and certification are matched to placement • On-campus, in-district, or out-of-district placement • May be paid or unpaid • May lead to full time work and college scholarships 		

Course: MSC002A/MSCO02B		Honors Academic Decathlon
Grade: 9-12	All Year	Course offered at: CDO
Prerequisites: <i>Placement by teacher or coach recommendation</i>		
<p>Academic Decathlon is a regularly scheduled class in which students' research and study for events in 10 areas: art, economics, literature, mathematics, music, science, social science, essay, interview, and speech. Each year, the curriculum is centered on a certain theme such as 'The French Revolution' or 'Latin America.' The team, consisting of 3 students with an "A" GPA, 3 students with a "B" GPA, and 3 students with a "C" GPA, competes in local and state competitions in which students can earn medals, cash prizes, and scholarships. This course carries a weighted grade.</p>		

Course: MSC017A/MSCO17B		Honors Seminar 101
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Identified REACH student or prior success in advanced-level coursework demonstrated by: at least 3.5 weighted GPA, completion of at least 2 Honors or AP classes, no grade lower than a "B" in core classes. Successful completion of pre-registration process and contracts, strong work ethic, advanced reading, writing, and critical thinking skills, demonstrated initiative, maturity, and responsible behavior, reliable attendance record, capacity and desire for independent, self-directed work, strong interpersonal and communication skills, ability to provide own reliable transportation for internship and concurrent enrollment in at least 4 additional classes		
<p>In this honors-level course, students will:</p> <ul style="list-style-type: none"> • Attend weekly college-style seminar classes • Complete research projects to explore interests, plan, and prepare for college and future careers • Pursue and apply for college acceptance and scholarships (<i>seniors only</i>) • Develop and refine resumes • Cultivate and polish communication and interviewing skills • Read independently and participate in group discussions • Secure and complete 180 hours of supervised internship fieldwork <i>in one of the following formats</i>: <ul style="list-style-type: none"> ✓ <u>Practicum</u>: Work alongside and learn from a career professional in that occupational environment ✓ <u>Entrepreneurship</u>: Start, develop, and manage your own business venture ✓ <u>Apprenticeship</u>: Work with an expert to learn essential skills and become qualified or certified to work in a specific field or craft ✓ <u>Community Initiative</u>: Plan and implement a project that would be of long-term benefit for our community <p><i>Formal proposals for next year's placement must be submitted by May 1st</i></p> <p>This course carries a weighted grade.</p>		

Course: MSCo18A/MSCo18B		Honors Capstone 102
Grade: 12	All Year	Course offered at: AHS CDO IRHS
<p>Prerequisites: Successful completion of Honors Seminar 101, identified REACH student or prior success in advanced-level coursework demonstrated by: at least 3.5 weighted GPA, completion of at least 2 Honors or AP classes, no grade lower than a "B" in core classes. Successful completion of pre-registration process and contracts, strong work ethic, advanced reading, writing, and critical thinking skills, demonstrated initiative, maturity, and responsible behavior, reliable attendance record, capacity and desire for independent, self-directed work, strong interpersonal and communication skills, ability to provide own reliable transportation for internship and <i>concurrent enrollment in at least 4 additional classes</i></p>		
<p>In this honors level course, students will:</p> <ul style="list-style-type: none"> • Attend weekly college-style seminar classes • Complete research projects to explore interests, plan, and prepare for college and future careers • Pursue and apply for college acceptance and scholarships (<i>seniors only</i>) • Develop and refine resumes • Cultivate and polish communication and interviewing skills • Read independently and participate in group discussions • Secure and complete 180 hours of supervised internship fieldwork <i>in one of the following formats:</i> <ul style="list-style-type: none"> ✓ <u>Practicum</u>: Work alongside and learn from a career professional in that occupational environment ✓ <u>Entrepreneurship</u>: Start, develop, and manage your own business venture ✓ <u>Apprenticeship</u>: Work with an expert to learn essential skills and become qualified or certified to work in a specific field or craft ✓ <u>Community Initiative</u>: Plan and implement a project that would be of long-term benefit for our community <p><i>Formal proposals for next year's placement must be submitted by May 1st</i> This course carries a weighted grade.</p>		

Course: MSCo28A/MSCo28B		Student Government
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
<p>Prerequisites: <i>Placement by election</i></p>		
<p>All class officers and student body officers are required to enroll in this class. Participants will review and conduct meetings according to fundamental parliamentary procedure and will be exposed to various leadership training techniques.</p>		

OFF-CAMPUS JTED COURSES

There are also additional opportunities to take off-campus JTED courses. These courses take place at Pima County JTED campuses and meet after school. Most of these courses meet twice per week; however, some courses meet every day, on the weekend, and some have prerequisite course requirements. Students who want to take these courses will be awarded elective credit only (credits awarded vary by course). Please speak with your site's JTED counselor about signing up.

Some of these JTED courses include:

- 3D Animation/Virtual Reality & Game Design (10th-12th)
- Cybersecurity and Artificial Intelligence (10th-12th)
- Graphic & Web Design (10th-12th)
- Healthcare Foundations (11th)
- Licensed Nursing Assistant (LNA) (12th, Prerequisite: Healthcare Foundations)
- Personal Assistant/Caregiver (12th, Prerequisite: Healthcare Foundations)
- Physical Therapy Technician (12th, Prerequisite: Healthcare Foundations)
- Registered Medical Assistant (12th, Prerequisite: Healthcare Foundations)
- Comprehensive Healthcare Technician (11th-12th)
- Health Information Technology (11th)
- Cosmetology (11th-12th)
- Culinary Arts and Nutritional Arts/Restaurant Management (10th-12th)
- Early Childhood Education (10th-12th)
- Air Transportation/FAA Drone Operator (10th-12th)
- Automotive Technologies (10th-12th)
- Aviation Technology (10th-12th)
- Construction Technologies (10th-12th)
- Energy Technology (11th-12th)
- Heavy Equipment Operations (11th-12th)
- Heating, Ventilation, & Air Conditioning (11th-12th)
- Precision Machining (10th-12th)
- Precision Manufacturing (10th-12th)
- Welding Technologies (11th)
- Emergency Medical Technician (12th, Prerequisite: Healthcare Foundations)
- Fire Service (11th-12th)
- Law, Public Safety & Security (10th-12th)
- Engineering - Aerospace and Mining Technology (10th-12th)
- Veterinary Science (10th-12th)
- Business Start-Up/Entrepreneurship (10th-12th)

License awarded upon course completion and passing certification exams.

More information on these classes can be found on the [JTED website](#).



STEM COURSES

Agriscience		<u>Courses must be taken in sequence:</u>	
		Agriscience I (Year 1) CTS195A/JTS195A CTS195B/JTS195B	
		Agriscience II (Year 2) CTS261A/JTS261A CTS261B/JTS261B	
		Agriscience III (Year 3) CTS262A/JTS262A CTS262B/JTS262B	
		Agriscience IV (Year 4) CTS264A/JTS264A CTS264B/JTS264B	
		Agriculture SOE (Required in conjunction with another Agriscience class) CTS199A/CTS199B	
Agriscience Internship (Optional) CTS263A/CTS263B			
Grade: 9-12	3 Year Program	Program offered at: AHS	
<p>Current trends point to a national shortage of college graduates in agricultural science. Develop skills working with various species of livestock.</p> <ul style="list-style-type: none"> • Acquire an understanding of plant and animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment • Operate and manage aspects of livestock production, reproduction, health, feeding • Conduct research and study the agriculture industry, natural resource systems, agriculture mechanics, food sciences, and more • Study nutritional requirements of animals and nutritive values of animal feed materials 			Fee required

Architectural Drafting & Design		<u>Courses must be taken in sequence:</u>	
		Architectural Drafting I (Year 1) CTS144A/JTS144A CTS144B/JTS144B	
		Architectural Drafting II (Year 2) CTS145A/JTS145A CTS145B/JTS145B	
		Architectural Drafting III (Optional Year 3) CTS146A/JTS146A CTS146B/JTS146B (6 credits from PCC available)	
		Architectural Drafting IV (Optional Year 4) CTS148A/JTS148A CTS148B/JTS148B	
		Architectural Drafting Internship (Optional) CTS147A/CTS147B	
Grade: 9-12	2 Year Program	Program offered at: CDO	
<p>There is a high demand for skilled drafters and plenty of professional growth opportunities in today's market.</p> <ul style="list-style-type: none"> • Learn techniques of sketching, drafting, computer aided drafting (CAD) programs, layout, design, blueprint Interpretation, and all phases of drawing house plans • Instruction in construction and structural design, architectural and engineering drawings, problem solving, and 3D architectural rendering • Build 3D house models from wood and foam board along with designing and constructing various projects and other real-life projects • Students can demonstrate their skills in regional, state, and national SkillsUSA competitions 			Fee required

Digital Photography		<u>Courses must be taken in sequence:</u>	
		Introduction to Photography (Year 1) CTS155A/JTS155A CTS155B/JTS155B	
		Photography (Year 2) CTS156A/JTS156A CTS156B/JTS156B	
		Advanced Photography (Year 3) CTS157A/JTS157A CTS157B/JTS157B	
Grade: 9-12	2 Year Program	Program offered at: AHS CDO IRHS	
<p>Students will be prepared for immediate employment in entry-level jobs such as Photography Studio Assistant and Portrait Photographer and to continue to study photography at a 2-year or 4-year college or university.</p> <ul style="list-style-type: none"> • Create innovative photographs using professional cameras, computers, Adobe Photoshop and Lightroom (image editing software), studio lighting, and large format printers • Develop and present a professional portfolio for review, critique, and publication • Experience working for clients to design, produce, and publish photos • Third year students run and show in the Noble Street Gallery, as well as produce gift shop items (CDO) 			Fee required

Engineering		<u>Courses must be taken in sequence:</u>	
		Introduction to Engineering Design (Year 1 or Year 2) CTS132A/JTS117A CTS132B/JTS117B	
		Algebra II (Year 2) MTH003A/MTH003B	
		Engineering 102 (Year 2 or Year 3, weighted grade)* SCl013A/JTS129B SCl013B/JTS129B	
		Engineering Internship (Optional) CTS130	
Grade: 10-12	3 Year Program	Program offered at: CDO IRHS	
<p>Prerequisites: <i>Algebra I must be completed prior to Introduction to Engineering Design</i> Prerequisites for Engineering 102: <i>Successful completion of Introduction to Engineering Design and concurrent enrollment in Pre-Calculus or beyond</i></p>			
<p>Build an airplane, design the longest bridge, or change how we deliver food to the world.</p> <ul style="list-style-type: none"> • Hands-on projects using the engineering design process, creative problem solving, and collaboration • Introduction to a wide variety of engineering careers such as mechanical, software, architectural, civil/structural, electrical, chemical, environmental, and mining • Learn computer modeling and solve real-world problems by applying math and physics <p><i>Students enrolled in Engineering 102 can be dual enrolled with the University of Arizona's Engineering 102 for 3 credits, fully transferable to the University of Arizona by paying tuition.</i></p>			Fee required

Film & TV Production		<u>Courses must be taken in sequence:</u>	
		Intro TV/Video (Year 1) CTS153A/JTS153A CTS153B/JTS153B	
		TV/Video Productions (Year 2) CTS176A/JTS176A CTS176B/JTS176B	
		Advanced TV/ Video Productions (Optional Year 3) CTS178A/JTS178A CTS178B/JTS178B	
TV/Video Production Internship (Optional) CTS177A/CTS177B			
Grade: 9-12	2 Year Program	Program offered at: AHS IRHS	
Be a part of this huge industry using both creativity and technology. <ul style="list-style-type: none"> • Create movies, advertisements, and incredible special effects using professional software • Watch and discuss film, television, and advertising as art and entertainment, and their place in society • Star or work behind the scenes on the school's weekly announcements show • Select the appropriate equipment, from the type of lens, to the appropriate lighting • Operate computer editing systems, video switching equipment, and digital video effects units to produce a final video product 			Fee required

Graphic Design		<u>Courses must be taken in sequence:</u>	
		Intro to Graphic Design (Year 1) CTS154A/JTS154A CTS154B/JTS154B	
		Graphic Design II (Year 2) CTS151A/JTS151A CTS151B/JTS151B	
		Graphic Design III (Optional Year 3) CTS152A/JTS152A CTS152B/JTS152B	
		Graphic Design IV (Optional Year 4) CTS226A/JTS226A CTS226B/JTS226B	
Graphic Design Internship (Optional) CTS216A/CTS216B			
Grade: 9-12	2 Year Program	Program offered at: IRHS	
Prepare to be part of this growing industry. <ul style="list-style-type: none"> • Produce and design high-quality artwork using professional graphic design, layout, and photo editing software (Adobe Photoshop, InDesign, and Illustrator) • Run a full-scale design firm and create advertising campaigns • Usher a product from design to production • Create product packaging and learn screen-printing 			Fee required

Graphic Design (YK)		<u>Courses must be taken in sequence:</u>	
		Graphic Design I (YK) (Year 1) CTS223A/JTS223A CTS223B/JTS223B	
		Graphic Design II (YK) (Year 2) CTS224A/JTS224A CTS224B/JTS224B	
		Graphic Design III (YK) (Optional Year 3) CTS225A/JTS225A CTS225B/JTS225B	
Graphic Design Internship (Optional) CTS216A/CTS216B			
Grade: 9-12	2 Year Program	Program offered at: CDO	
Learn every aspect of the publication industry while creating the yearbook <ul style="list-style-type: none"> • Photograph school events, interview students and teachers, and write stories and captions for yearbook photographs • Produce and design a high-quality yearbook using professional graphic design, layout, and photo editing software (Adobe Photoshop, InDesign) • Manage the yearbook staff through leadership positions (Editor-in-Chief, Editor, Story Editor, Photo Editor) • Promote the yearbook by creating advertising campaigns (posters, events, announcements) 			Fee required

Music and Audio Production		<u>Courses must be taken in sequence:</u>	
		Music and Audio Production I (Year 1) CTS240A/JTS240A CTS240B/JTS240B	
		Music and Audio Production II (Year 2) CTS241A/JTS241A CTS241B/JTS241B	
		Music and Audio Production III (Optional Year 3) CTS242A/JTS242A CTS242B/JTS242B	
Music and Audio Internship (Optional) CTS243A/CTS243B			
Grade: 9-12	2 Year Program	Program offered at: IRHS	
<p>Music and sound can be made, but it has to be captured and mixed to be heard and remembered.</p> <ul style="list-style-type: none"> • Intensive study of the history of sound recording and hands-on experience with studio equipment • Students will apply technical knowledge and skills to the production of sound recordings as finished products or as components of film/video, broadcast, live, or mixed media production • In-depth practical understanding of the three phases of the media creation process; pre-production, production, and post-production 			Fee required

Photo Design (YK)		<u>Courses must be taken in sequence:</u>	
		Photo Design I (YK) (Year 1) CTS220A/JTS220A CTS220B/JTS220B	
		Photo Design II (YK) (Year 2) CTS221A/JTS221A CTS221B/JTS221B	
		Photo Design III (YK) (Optional Year 3) CTS222A/JTS222A CTS222B/JTS222B	
Digital Photo Internship (Optional) CTS158A/CTS158B			
Grade: 9-12	2 Year Program	Program offered at: AHS IRHS	
<p>Learn every aspect of the publication industry while creating the yearbook.</p> <ul style="list-style-type: none"> • Photograph school events, interview students and teachers, and write stories and captions for yearbook photographs • Produce and design a high-quality yearbook using professional graphic design, layout, and photo editing software (Adobe Photoshop, InDesign) • Manage the yearbook staff through leadership positions (Editor-in-Chief, Editor, Story Editor, Photo Editor) • Promote the yearbook by creating advertising campaigns (posters, events, announcements) 			Fee required

Software & App Design		<u>Courses must be taken in sequence:</u> Software & App Design I (Year 1) CTS203A/JTS203A CTS203B/JTS203B Advanced Placement Computer Science Principles (Year 1, weighted grade) CTS149A/JTS120A CTS149B/JTS120B	
		Software & App Design II (Year 2) CTS179A/JTS179A CTS179B/JTS179B Advanced Placement Computer Science A (Year 2, weighted grade) CTS182A/JTS182A CTS182B/JTS182B	
		Software & App Design Internship (Optional Year 3 & 4) CTS185A/CTS185B	
Grade: 9-12	2 Year Program	Program offered at: AHS CDO IRHS	
Combine your creative and technology skills to prepare for one of the fastest growing industries. <ul style="list-style-type: none"> • Develop skills that are adaptable across all careers, disciplines, and pathways - including medicine, engineering, and visual and performing arts. Having a fundamental understanding of computer science is critical in today's global economy • Classes mirror the collaborative & creative culture of the software & app design industry, engaging in problem-solving, teamwork, and user-centered design • Develop websites, apps, and other projects based on personal interests and working with community partners 			Fee required
<i>Dual enrollment and college credit opportunities available.</i>			

WORLD LANGUAGE COURSES

Course: MLGo13A/MLGo13B		American Sign Language I
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: None		
This is an introductory course focusing on basic ASL grammar, vocabulary, sign production, verb study, and culture. Emphasis is on a natural language acquisition approach to language education with development of beginning skills through constant review and expansion.		

Course: MLGo14A/MLGo14B		American Sign Language II
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: American Sign Language I		
This course is a continuation of American Sign Language I. The study of ASL grammar and vocabulary acquisition will continue with emphasis on ASL structure and grammar, as well as communication skills through cooperative, project-based learning. Also, students will look more closely into Deaf Culture and its effects on the language.		

Course: MLGo15A/MLGo15B		American Sign Language III
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: American Sign Language II		
This course is designed for students who have successfully completed ASL I and ASL II. An expanded review of grammar and vocabulary covered in American Sign Language II, as well as more advanced grammar points, will be presented. In-depth development of interactive sign skills will be emphasized via a variety of project-based assignments.		

Course: MLGo16A/MLGo16B		American Sign Language IV
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: American Sign Language III		
This course is designed for students who have successfully completed ASL I, II, and III. Students will continue to build vocabulary and demonstrate advanced ASL grammatical structure with an emphasis on collaborative assignments. In-depth study of the cultural norms of the deaf community will form the basis for this level.		

Course: MLG001A/MLG001B		French I
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: Minimum grade "C" recommended in English		
Students are introduced to the French language and culture, as well as to the Francophone world, e.g., Canada, Africa, the Caribbean, North and South Pacific. This course is an introduction to basic French grammar, vocabulary, and pronunciation. Emphasis is on speaking, listening and reading comprehension, and writing, with constant review and expansion. The student will develop their speech through conversations and presentations of real-life scenarios.		

Course: MLG002A/MLG002B		French II
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>French I</i>		
This course will continue the study of the elements of French I with increased control of conversational and intermediate grammatical structures. Additional conversations, readings, dialogues, and writing of short compositions are emphasized. Cultural themes may include art, leisure, sports, health, and travel.		

Course: MLG003A/MLG003B		French III
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>French II with a grade of "C" or better</i>		
This course will continue the study of the elements of French II, as well as advanced grammar points. Students will refine and improve proficiency in both written and spoken expression through dialogues and informational presentations. Cultural opportunities, current events, and literary excerpts are included in the curriculum.		

Course: MLG018A/MLG018B		Honors French III
Grade: 10-12	All Year	Course offered at: AHS CDO
Prerequisites: <i>French II with a grade of "C" or better and teacher recommendation</i>		
This course is designed for students who have excelled in French II and wish to continue their French studies at a more accelerated and challenging pace. Students will participate in advanced grammar speaking, reading and listening comprehension, writing, and critical thinking activities in French. Students will also be exposed to authentic French and Francophone literature. Students will expand their knowledge of Francophone countries through various projects. This class will introduce students to the AP Global themes and exam format. The majority of this course will be taught in French. This course carries a weighted grade.		

Course: MLG004A/MLG004B		French IV
Grade: 11-12	All Year	Course offered at: CDO
Prerequisites: <i>French III with a grade of "C" or better</i>		
Coursework will include advanced grammar and thematic vocabulary. Speaking will emphasize daily conversation and current events. Readings cover various genres of poetry, literature, and history. This course will be taught predominantly in French.		

Course: MLGo24A/MLGo24B		AP French Language and Culture
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Honors French III or French III and teacher recommendation</i>		
<p>This course is designed to help students become proficient in the French language. The four skills of language learning: speaking, listening, writing, and reading, will be practiced for mastery. Literature and culture will provide subject matter for refining oral and written communication. Students will continue to build vocabulary and practice advanced grammatical structures. Students will also broaden their understanding of French and Francophone culture through the study of history, literature, art, music, and current events. This course prepares students to successfully complete the AP French Language and Culture Exam for college credit. This course is taught entirely in French. For more information on this class, please visit this AP site. This course carries a weighted grade.</p>		

Course: MLGoo5A/MLGoo5B		German I
Grade: 9-12	All Year	Course offered at: CDO
Prerequisites: <i>Minimum grade "C" recommended in English</i>		
<p>Students are introduced to the German language and cultural traditions of German speaking countries. This course is an introduction to basic German grammar, vocabulary, and pronunciation. Emphasis is on speaking, listening and reading comprehension, and writing, with constant review and expansion. The student will develop their speech through conversations and presentations of real-life scenarios.</p>		

Course: MLGoo6A/MLGoo6B		German II
Grade: 10-12	All Year	Course offered at: CDO
Prerequisites: <i>German I</i>		
<p>The focus of instruction in second-year German continues to be communication in meaningful situations. This course will continue the study of the elements of German I with increased control of conversational and intermediate grammatical structures. Additional conversations, readings, dialogues, and writing of short compositions are emphasized. Cultural themes may include art, leisure, sports, health, and travel.</p>		

Course: MLGoo7A/MLGoo7B		German III
Grade: 11-12	All Year	Course offered at: CDO
Prerequisites: <i>German II</i>		
<p>This course will continue the study of the elements of German II, as well as advanced grammar points. Students will refine and improve proficiency in both written and spoken expression through dialogues and informational presentations. Cultural opportunities, current events, and literary excerpts are included in the curriculum.</p>		

Course: MLGo19A/MLGo19B		Honors German III
Grade: 11-12	All Year	Course offered at: CDO
Prerequisites: <i>German II and teacher recommendation</i>		
<p>This course is designed for students who have excelled in German II and wish to continue their German studies at a more accelerated and challenging pace. Students will participate in advanced grammar speaking, reading and listening comprehension, writing, and critical thinking activities in German. Students will also be exposed to authentic literature from German speaking countries. This class will introduce students to the AP Global themes and exam format. The majority of this course will be taught in German. This course carries a weighted grade.</p>		

Course: MLGo25A/MLGo25B		AP German Language and Culture
Grade: 12	All Year	Course offered at: CDO
Prerequisites: <i>Honors German III and teacher recommendation</i>		
<p>This course is designed to help students become proficient in the German language and successfully complete the AP German Language and Culture Exam for college credit. The four skills of language learning: speaking, listening, writing, and reading will be practiced for mastery. Literature and culture will provide subject matter for refining oral and written communication. Students will continue to build vocabulary and practice advanced grammatical structures. Students will also broaden their understanding of German culture through the study of history, literature, art, music, and current events. This course is taught entirely in German. For more information on this class, please visit this AP site. This course carries a weighted grade.</p>		

Course: MLGo09A/MLGo09B		Spanish I
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Grade "C" or better recommended in English</i>		
<p>Students are introduced to the Spanish language and the diversity of cultures within the Spanish speaking world. This course is an introduction to basic Spanish grammar, vocabulary, and pronunciation. Emphasis is on speaking, listening and reading comprehension, and writing, with constant review and expansion. The student will develop their speech through conversations and presentations of real-life scenarios.</p>		

Course: MLGo10A/MLGo10B		Spanish II
Grade: 9-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Spanish I</i>		
<p>This course will continue the study of the elements of Spanish I with increased control of conversational and intermediate grammatical structures. Additional conversations, readings, dialogues, and writing of short compositions are emphasized. Cultural themes may include art, leisure, sports, health, and travel. The four skills of listening, speaking, reading, and writing are expanded.</p>		

Course: MLGo11A/MLGo11B		Spanish III
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Spanish II</i>		
<p>This is a continuation of Spanish II, with more advanced grammar and conversational situations. Classroom activities include oral presentations, projects, and short story reading selections. There is a continued practice of the four language skills of listening, speaking, reading, and writing. Students will expand their knowledge about the culture, travel, educational, and professional opportunities associated with their study. The class is conducted mostly in Spanish.</p>		

Course: MLGo17A/MLGo17B		Honors Spanish III
Grade: 10-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Spanish II and teacher recommendation</i>		
<p>This course is designed for students who have excelled in Spanish II and wish to continue their Spanish studies at a more accelerated and challenging pace. Students will participate in advanced grammar speaking, reading and listening comprehension, writing, and critical thinking activities in Spanish. Students will also be exposed to a variety of Hispanic literature. A more in-depth study will broaden students' knowledge of the culture amongst Spanish speaking countries. The class will introduce students to the AP Global themes and exam format. This course is conducted almost entirely in Spanish. This course carries a weighted grade.</p>		

Course: MLGo12A/MLGo12B		Spanish IV
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Spanish III</i>		
<p>Students will use Spanish for active communication. History and culture will provide subject matter for refining oral and written communication. Students will continue to build vocabulary and practice advanced grammatical structures. This course is conducted predominately in Spanish.</p>		

Course: MLGo34A/MLGo34B		Advanced Spanish Conversation
Grade: 11-12	All Year	Course offered at: CDO
Prerequisites: <i>Minimum of Spanish III or teacher recommendation</i>		
<p>This course is designed for students who have excelled in Spanish III and wish to continue their conversational Spanish studies at a more accelerated and challenging pace. The student will strengthen their fluency of Spanish through conversations, discussions, and presentations. There is an emphasis on vocabulary, pronunciation, and intonation. The class is conducted entirely in Spanish.</p>		

Course: MLGo26A/MLGo26B		AP Spanish Language and Culture
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS
Prerequisites: <i>Honors Spanish III or Spanish III and teacher recommendation</i>		
<p>This course is designed to help students become proficient in the Spanish language, and also to assist them in successfully completing the AP Spanish Language and Culture Exam for college credit. The four skills of language learning: speaking, listening, writing, and reading will be practiced for mastery. Literature and culture will provide subject matter for refining oral and written communication. Students will continue to build vocabulary and practice advanced grammatical structures. Students will also broaden their understanding of cultures that comprise the Spanish-speaking world through the study of history, literature, art, music, and current events. This course is conducted entirely in Spanish. For more information on this class, please visit the AP site. This course carries a weighted grade.</p>		

Course: MLGo30A/MLGo30B		Spanish for Native Speakers Level I
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>Teacher recommendation and placement testing</i>		
<p>This first level is intended for those who already speak Spanish, especially at home, but who have little or no experience with written Spanish. Students develop reading and writing skills, while they expand their knowledge of the Hispanic world and speaking ability. This class is conducted in Spanish.</p>		

Course: MLGo31A/MLGo31B		Spanish for Native Speakers Level II
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>Teacher recommendation and placement testing and/or a grade of "C" or better in Spanish for Native Speakers Level I</i>		
<p>This level II course is for students who already speak, read, and write in Spanish and who wish to develop these skills further while extending their knowledge of the Hispanic world, its history, and literature. This class is conducted in Spanish.</p>		

ADDITIONAL PATHWAYS & PROGRAMS

(AVID, Cambridge Academy, Dual Enrollment, International Baccalaureate (IB))

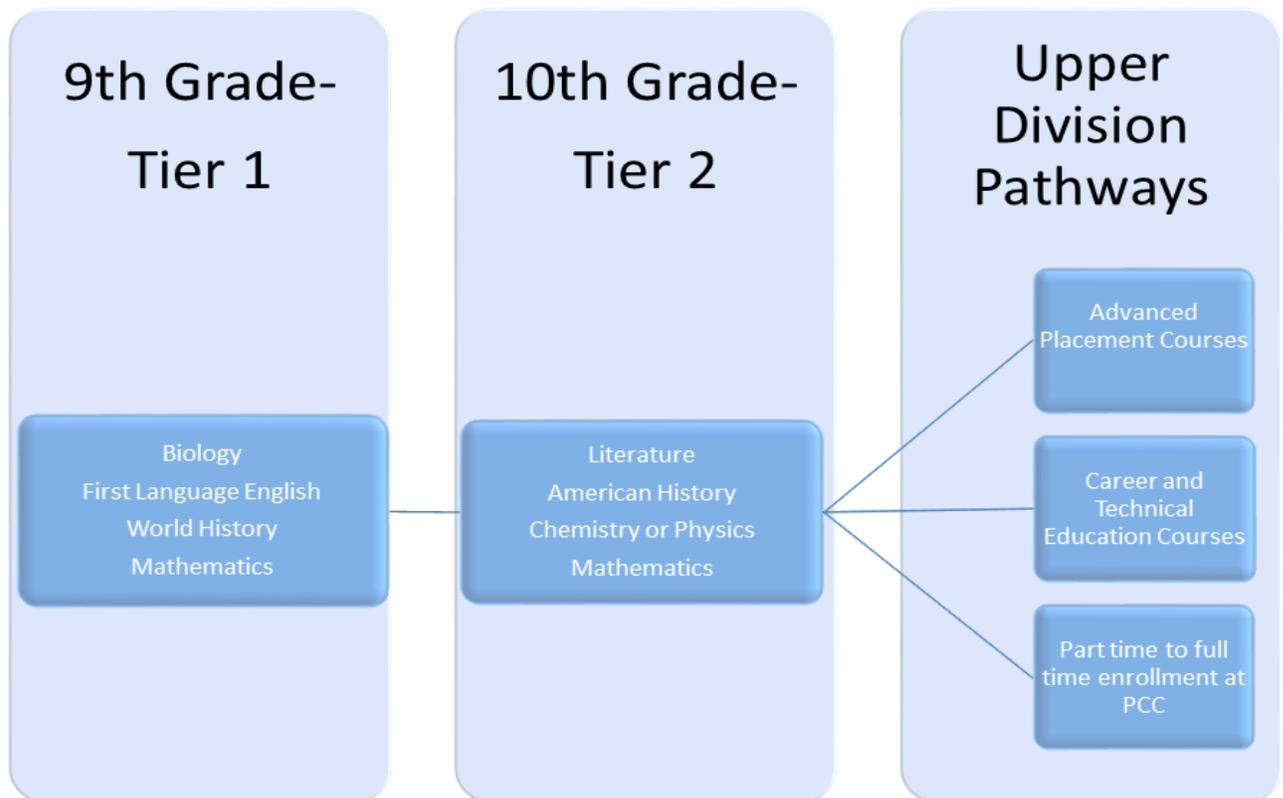
AVID

Course: MSc041/042/043/044 (A/B)		AVID – Advancement Via Individual Determination
Grade: 9-12	All Year	Course offered at: AHS
Prerequisites: <i>Placement through application, interview, and acceptance</i>		
AVID supports students, in the Cambridge Academy and our Advanced Placement classes, through a rigorous approach to studying, note-taking, and organizing. It also provides an in-class tutorial designed to teach learning through inquiry. This course includes field trips to colleges, collaborative group work, and career planning.		

CAMBRIDGE ACADEMY (AHS)

Cambridge courses will completely follow the Cambridge IGCSE (US) curriculum. These courses are aligned with the requirements needed to receive the Grand Canyon Diploma and students will take the IGCSE board exam at the end of each course. These courses serves as a prerequisite course for Advanced Placement courses.

The Cambridge Academy is designed around the following sequence of courses:



Course: CBR200A/CBR200B		Cambridge English 9
Grade: 9	All Year	Course offered at: AHS
Prerequisites: None		
<p>The goal of this course is to develop the ability to communicate clearly, accurately, and effectively in both speech and writing. Students learn how to employ a wide-ranging vocabulary, use correct grammar, spelling and punctuation, and develop a personal style and an awareness of the audience being addressed. Students are also encouraged to read widely, both for their own enjoyment and to further their awareness of the ways in which English can be used. Cambridge English also develops more general analysis and communication skills such as synthesis, inference, and the ability to order facts and present opinions effectively. This course carries a weighted grade.</p>		

Course: CBR202A/CBR202B		Cambridge English 10
Grade: 10	All Year	Course offered at: AHS
Prerequisites: Passing Cambridge English 9		
<p>The goal of this course is to develop the ability to read, interpret, and evaluate texts using literature. Students will study literal meaning, relevant context, and themes in literature. They will learn how authors use literary devices to achieve a range of effects and will be able to respond appropriately through writing and speech to the material they have read. Students will be guided to a better understanding of themselves and of the world around them. Students are also encouraged to read widely, both for their own enjoyment and to further their awareness of the ways in which English can be used. This course carries a weighted grade.</p>		

Course: CBR204A/CBR204B		Cambridge Algebra
Grade: 9	All Year	Course offered at: AHS
Prerequisites: None		
<p>Cambridge Algebra reflects the way today's students like to learn: they will acquire a solid foundation of mathematical algebraic skills and learn how to develop strategies for solving open-ended problems. The course also allows students to develop and sharpen their investigation and modeling skills, and introduces them to the use of graphical representation - a necessary part of the higher level mathematical processes. This course carries a weighted grade.</p>		

Course: CBR206A/CBR206B		Cambridge Geometry
Grade: 10	All Year	Course offered at: AHS
Prerequisites: Algebra I or equivalent credit or teacher recommendation		
<p>Cambridge Geometry reflects the way today's students like to learn: they will acquire a solid foundation of mathematical practice skills and learn how to develop strategies for solving logic and shape problems. The course also allows students to develop and sharpen their investigation and modeling skills, and make use of algebra as strategy for solving problems of shape. Trigonometry will be investigated as a model for solving triangles. This course carries a weighted grade.</p>		

Course: CBR216A/CBR216B		Cambridge Biology
Grade: 9	All Year	Course offered at: AHS
Prerequisites: None		
<p>The Cambridge Biology students learn the basic principles of biology, with an emphasis on human biology, through a mix of theoretical and practical studies. Students learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities, and the environment. Additionally, students will develop an understanding of the scientific skills essential for further study in higher level science courses. This course carries a weighted grade.</p>		

Course: CBR218A/CBR218B		Cambridge Chemistry
Grade: 10	All Year	Course offered at: AHS
Prerequisites: Algebra I and concurrent enrollment in a higher level math class		
<p>Cambridge Chemistry helps learners to understand the technological world in which they live, and take an informed interest in science and scientific developments. They learn about the basic principles of Chemistry through a mix of theoretical and practical studies. As they progress, learners gain an understanding of how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities, and the environment. This course carries a weighted grade.</p>		

Course: CBR235A/CBR235B		Cambridge Physics
Grade: 10-12	All Year	Course offered at: AHS
Prerequisites: Passing grade in Geometry and concurrent enrollment in a higher level math class		
<p>Cambridge Physics helps learners to understand the technological world in which they live and take an informed interest in science and scientific developments. They learn about the basic principles of Physics through a mix of theoretical and practical studies. Learners also develop an understanding of the scientific skills essential for further study at Cambridge International AS and A Level skills which are useful in everyday life. As they progress, learners gain an understanding of how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities, and the environment. This course carries a weighted grade.</p>		

Course: CBR212A/CBR212B		Cambridge World History
Grade: 9	All Year	Course offered at: AHS
Prerequisites: None		
<p>Cambridge World History looks at some of the major international issues of the nineteenth and twentieth centuries, as well as covering the history of particular regions in more depth. The emphasis is on both historical knowledge and on the skills required for historical research. Students learn about the nature of cause and effect, continuity and change, similarity and difference and find out how to use and understand historical evidence as part of their studies. Cambridge World History will stimulate any student already interested in the past, providing a basis for further study, and also encourage a lifelong interest in the subject. This course carries a weighted grade.</p>		

Course: CBR214A/CBR214B		Cambridge American History
Grade: 10	All Year	Course offered at: AHS
Prerequisites: <i>Sophomore standing</i>		
<p>Cambridge American History builds upon previous instruction in historical knowledge and skills. Consideration of issues related to class, gender, and race, as well as distinctly American questions will broaden students' understanding of historical perspectives. In the Spring semester, students will conduct a major research investigation into the significance of a local site or object, reporting their conclusions in a single extended essay. This course carries a weighted grade.</p>		

DUAL ENROLLMENT COURSES & PCC AZ GENERAL EDUCATION CERTIFICATE (AGEC–A)

The Pima Community College courses outlined below will create a direct pathway for the partial or full completion of Pima’s Arizona General Education Curriculum (AGEC) –A or Associate’s Degree. See the full AGECE requirements [here](#).

Additionally, courses would contribute to satisfying the requirement for a Certified Nursing Assistant (CNA) or Licensed Practical Nurse (LPN). Several courses could directly connect to CTE/JTED course offerings.

Course: UASERP370A, 370B		American Sign Language (UA SERP370A and UA SERP370B, 4.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: AHS CDO IRHS (Online)
Prerequisites: None		
<p>Students enrolling in the Introduction to American Sign Language course will study the parameters, syntax, sentence types, pluralizations, fingerspelling numbers and sign modulation. Additionally, students will learn about facial expressions, body language, nouns and verbs, modals, sign space, timeline and time modulations, classifiers, lexicalized fingerspelling, conceptual accuracy, conversational regulators, regional dialects and variations, and pronomilization. This course will also include an overview of deaf history and culture. This course carries a weighted grade.</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		

Course: PCCART100		Basic Design (Pima Community College: ART100, 3.0 Credit Hours)
Grade: 11-12	Fall Semester	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
Students taking this course must also register for PCCART105 Exploring Art and Visual Culture		
<p>Introduction to the elements and principles of visual design. The course includes identifying and interpreting creative problems, emphasizing art and design skills, writing reviews of gallery visits/museum visits/artist lecturers, articulating and demonstrating progressive skills in their own work. Students will also participate in individual and group critiques, relating their work on a conceptual, interpersonal, and global level. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College’s AGECE – FA</p> <p>Meets CTE/JTED – A&H</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		Fee required

Course: PCCART105		Exploring Art and Visual Culture (Pima Community College: ART105, 3.0 Credit Hours)
Grade: 11-12	Spring Semester	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>This course explores the historical and contemporary art and the visual images within the context of global culture. Topics presented include: selective perception and formal analysis, materials, and techniques. Students will evaluate art and visual culture in a historical and contemporary framework, including museum, galleries, and public spaces. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – FA and G</p> <p>Meets CTE/JTED – A&H or SBS and G</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		Fee required

Course: PCCBIO160		Introduction to Human Anatomy and Physiology (Pima Community College: BIO160, 4.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>This course presents students with the structure and dynamics of the human body and includes the study of foundations, such as chemical, cellular, and tissue levels of organization. Students will also learn about the major structure and functions of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – SCI</p> <p>Meets CTE/JTED – M&S</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		

Course: PCCBIO181 / PCCBIO182		General Biology (Pima Community College: BIO181, 4.0 Credit Hours / BIO182, 4.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>This course covers the structure and function of living things at the molecular and cellular levels of organization, including the principles of living things at the organism, population, community and ecosystem levels. Topics presented in this course include introduction to the scientific process, scientific measurements and laboratory techniques, the chemistry and organization of cells, metabolism, cell communication, the patterns of cell division and inheritance, gene expression, nucleic acid and biotechnology. Additionally, students will learn about the evolution of life, survival strategies, the interactions between organisms and their environment and the classification of organisms. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – SCI</p> <p>Meets CTE/JTED – M&S</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		

Course: PCCBIO201 / PCCBIO202		Human Anatomy, Physiology and Histology (Pima Community College: BIO201, 3.0 Credit Hours / BIO202, 3.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>Students enrolled in BIO201/BIO202, will study the structure and function of the body that includes an introduction to the Scientific Process, scientific measurements, laboratory techniques, such as microscope use and levels of organization. Included in this course is information on chemistry as applied to physiology, cell biology, gene regulation, homeostasis, anatomical terms, integumentary system, skeletal system and articulations, muscular and nervous systems, and special senses, as well as histology of these systems. The structure and function of the endocrine cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems will also be covered in the spring semester. This course carries a weighted grade.</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		

Course: PCCCHM151 / PCCCHM152		General Chemistry (Pima Community College: CHM151, 4.0 Credit Hours / CHM152, 4.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>This course covers an introduction to the foundations of chemistry for upper-level sciences and engineering. This course includes atomic structure, chemical bonding, reaction stoichiometry, behavior of gases, and reactions in solutions. Students will also be introduced to thermochemistry and an emphasis will be placed on certain chemical concepts, kinetics, equilibrium, acids and bases and electrochemistry. This course carries a weighted grade. This course counts towards Pima Community College's AGEC – SCI Meets CTE/JTED – M&S</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		Fee may be required

Course: CTS156/JTS156		Digital Photography (Pima Community College: DAR128, 4.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>Students registered for this course receive an introduction to digital photography emphasizing the technical and aesthetic issues and how these qualities form image content. Topics presented include Adobe Photoshop basics, history of still photography, applications of digital cameras, aspects of the digital medium, camera and computer equipment requirements, digital still camera, memory and file formats, digital still camera lenses, and proper exposure. Light, color, and temperature; depth of field, shutter speed effects, proper use of digital photography, lighting for digital stills, elements of composition, photographic rendering and reality, outputting and publishing, portfolio preparation, and career options in digital photography. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – FA</p> <p>Meets CTE/JTED – A&H</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		Fee required

Course: CTS114/JTS114 CTS115/JTS115		Culinary Arts (Pima Community College: CUL105, 115, 150, 160, 12.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: CDO IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>Students in these courses receive a comprehensive introduction to preparing an array of baked goods and sweets. They will also be introduced to the fundamentals of Garde Manger including the care of equipment, sanitation, and knife skills. Extensive study of sanitation in regards to equipment, food storage, and safety requirements. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AAS-Culinary Arts</p> <p>Meets CTE/JTED</p>		Fee required

Course: CTS163/JTS163		Automotive Technology III (Pima Community College: AUT100, 101, 105 9.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: CDO
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>Students enrolled in this course will expand upon the concepts learned in Auto I and II. They will be applying their knowledge of basic and advanced automotive fundamentals along with their knowledge of small engines. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AAS-Auto Technology</p> <p>Meets CTE/JTED</p>		Fee required

Course: PCCECN150 (Online Only)		An Economics Perspective (Pima Community College: ECN150, 3.0 Credit Hours)
Grade: 12	Semester	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>This one-semester course exposes students to the study of the interactions of individuals and societies from the viewpoint of economics. This includes the philosophy of economics, history of economic thought, conventional economic theory, and questions of equity versus equality. Students will study contemporary economic issues, including macro- and micro-economics and the individual in our democracy. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – SBS</p> <p>Meets CTE/JTED – SBS & G</p>		Fee required

Course: CTS300/JTS300		Healthcare Foundations (Pima Community College: HCA100, 1.0 Credit Hours / HCA119, 3.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>This course is an introduction to strategies that aid in acclimation and success for health-related professions students throughout their respective program. This course includes an outline and review of program pathways and strategies for success, learning styles, stress management, critical thinking, and professionalism. The course includes an orientation to basic anatomy and physiology appropriate for the healthcare setting, including structural organization of the human body, body systems, major organs, and common pathology.</p> <p>Information: Students must be admitted to the selected program and obtain consent of the program department before enrolling in this course. This course carries a weighted grade.</p>		Fee required

Course: PCCHIS141 / PCCHIS142		History of the United States I & II (Pima Community College: HIS141, 3.0 Credit Hours / HIS142, 3.0 Credit Hours)
Grade: 11	All Year	Course offered at: AHS IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>This course presents students with a survey of the major developments in American history from the Columbian voyages to the Era of Reconstruction, including Colonial America, the Formative Years from 1776-1815, the Early National Period extending from 1815-1850, the coming of the Civil War and its aftermath. Students will learn about the Era of Reconstruction to the present, including, the emergence of modern America, the early 20th Century and America as a world power. Students will also look at the social, intellectual, and political aspects of early American life and contemporary American life. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – HUM or SBS and C, G</p> <p>Meets CTE/JTED – A&H or SBS C, G</p>		

Course: PCCMAT142		Topics in College Mathematics (Pima Community College: MAT142, 3.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>Students enrolled in this course will learn about mathematical topics and applications, such as application of probability, statistics, finance, and growth models. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – MATH</p> <p>Meets CTE/JTED – M&S</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		

Course: PCCMAT151		College Algebra (Pima Community College: MAT151, 3.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>This course is an introduction to college-level algebra, covering concepts that include functions, exponential and logarithmic functions, linear 2x2 and higher systems, graphing and calculator use. A graphing calculator is required. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – MATH</p> <p>Meets CTE/JTED – M&S</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		

Course: PCCMUS102 / PCCMUS103		Music Fundamentals and Music Theory Review (Pima Community College: MUS102, 3.0 Credit Hours / MUS103, 1.0 Credit Hour)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>This course introduces students to the fundamentals of music and is designed to develop students' basic literacy in music. Topics that are presented and covered in this course include definitions and notation, rhythm and meter, intervals, scales and transposition, key signatures, triads, chords and harmony and simple forms. Students will also receive an intensive review of clefs and basic pitch intonation. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – FA or HUM</p> <p>Meets CTE/JTED – A&H</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		

Course: PCCMUS125/PCCMUS127		Structure of Music and Aural Perceptions (Pima Community College: MUS125, 3.0 Credit Hours / MUS127, 1.0 Credit Hour)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: <i>Apply to Pima Community College and completion of any placement requirements</i>		
<p>This course provides students with a review of the fundamentals of music, including a review of form and analysis, non-harmonic tones and harmonic analysis, simple keyboard-style harmony, figured bass, chord functions, voicing chords, voice leading, part-writing, and seventh chords. Also included in this course are concepts and skills related to cadences, chords in second inversion, harmonic progression, secondary dominants, and chorale harmonization. Student will also develop skills in rhythmic dictation, intervallic recognition, and sight singing. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – FA</p> <p>Meets CTE/JTED – A&H</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		

Course: CTS301/JTS301		Nursing Services I (Pima Community College: NRS104, 4.0 Credit Hours / NRS104LC, 1.0 Credit Hour)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: <i>Apply to Pima Community College and completion of any placement requirements</i> Students taking this course must also register for CTS301CL Nursing Services Clinical Lab I and CTS301SL Nursing Services I Skill Lab.		
<p>This course introduces the student to the application of the nursing process and to the concepts of client, health, environment and nurse, with emphasis on caring for the adult and older adult client. This course introduces the student to behaviors that serve as the basis of effective nursing practice including a safe practitioner, an effective communicator, a manager and teacher, a culturally competent/caring healthcare provider, and professional and ethical issues of being a nurse. The student applies nursing theory in the college laboratory and the clinical setting while caring for adults and older adults in long-term care and community environments. This course carries a weighted grade.</p> <p>Information: Acceptance into the Associate of Applied Science in Nursing; PN Exit Option through the selective admissions process including the required preparatory and prerequisites to apply to the program. Students must be admitted to the PCC Nursing program and obtain consent of the Nursing Department before enrolling in this course.</p> <p>This course counts towards Pima Community College's AGEC – FA</p> <p>Meets CTE/JTED – A&H</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		<p>Fee required</p> <p>Placement test may be required</p>

Course: CTS301CL/JTS301CL		Nursing Services I Clinical Lab (Pima Community College: NRS104LC, 1.0 Credit Hour)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: <i>Apply to Pima Community College and completion of any placement requirements</i> Students taking this course must also register for CTS301 Nursing Services I <u>and</u> CTS301SL Nursing Services I Skill Lab.		
<p>Information: Acceptance into the Associate of Applied Science in Nursing; PN Exit Option through the selective admissions process including the required preparatory and prerequisites to apply to the program. Students must be admitted to the PCC Nursing program and obtain consent of the Nursing Department before enrolling in this course.</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating. This course carries a weighted grade.</i></p>		<p>Fee required</p> <p>Placement test may be required</p>

Course: CTS301SL/JTS301SL		Nursing Services I Skill Lab (Pima Community College: NRS104LS, 1.0 Credit Hour)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: <i>Apply to Pima Community College and completion of any placement requirements</i> Students taking this course must also register for CTS301 Nursing Services I <u>and</u> CTS301CL Nursing Services I Clinical Lab.		
<p>Information: Acceptance into the Associate of Applied Science in Nursing; PN Exit Option through the selective admissions process including the required preparatory and prerequisites to apply to the program. Students must be admitted to the PCC Nursing program and obtain consent of the Nursing Department before enrolling in this course.</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating. This course carries a weighted grade.</i></p>		<p>Fee required</p> <p>Placement test may be required</p>

Course: CTS302/JTS302		Nursing Services II (Pima Community College: NRS105, 4.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: <i>Apply to Pima Community College and completion of any placement requirements</i> Students taking this course must also register for CTS302CL Nursing Services Clinical Lab II <u>and</u> CTS302SL Nursing Services II Skill Lab.		
<p>This course is a continuation of Nursing Services I. In this course, students will learn about the application of the nursing process and expansion on the concepts of client, health, environment and nurse, with emphasis on caring for adult clients with common health alterations. Expansion of behaviors that are the basis of effective nursing practice including safe practitioner, effective communicator, manager and teacher, a culturally competent and caring healthcare provider, and professional and ethical issues of being a nurse. Also includes additional application of theory in the college laboratory and the clinical setting in acute care environments. This course carries a weighted grade.</p> <p>Information: Acceptance into the Associate of Applied Science in Nursing; PN Exit Option through the selective admissions process including the required preparatory and prerequisites to apply to the program. Students must be admitted to the PCC Nursing program and obtain consent of the Nursing Department before enrolling in this course.</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		<p>Fee required</p> <p>Placement test may be required</p>

Course: CTS302CL/JTS302CL		Nursing Services II Clinical Lab (Pima Community College: NRS105LC, 1.0 Credit Hour)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: <i>Apply to Pima Community College and completion of any placement requirements</i> Students taking this course must also register for CTS302 Nursing Services II <u>and</u> CTS302LS Nursing Services II Skill Lab.		
<p>Information: Acceptance into the Associate of Applied Science in Nursing; PN Exit Option through the selective admissions process including the required preparatory and prerequisites to apply to the program. Students must be admitted to the PCC Nursing program and obtain consent of the Nursing Department before enrolling in this course.</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating. This course carries a weighted grade.</i></p>		<p>Fee required</p> <p>Placement test may be required</p>

Course: CTS302SL/JTS302SL		Nursing Services I Skill Lab (Pima Community College: NRS105LS, 1.0 Credit Hour)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: <i>Apply to Pima Community College and completion of any placement requirements</i> Students taking this course must also register for CTS302 Nursing Services II <u>and</u> CTS302CL Nursing Services II Clinical Lab.		
<p>Information: Acceptance into the Associate of Applied Science in Nursing; PN Exit Option through the selective admissions process including the required preparatory and prerequisites to apply to the program. Students must be admitted to the PCC Nursing program and obtain consent of the Nursing Department before enrolling in this course.</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating. This course carries a weighted grade.</i></p>		<p>Fee required</p> <p>Placement test may be required</p>

Course: PCCPHY121		Introductory Physics I (Pima Community College: PHY121IN, 4.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: <i>Apply to Pima Community College and completion of any placement requirements</i>		
<p>In this course, students receive an introduction to general physics for programs requiring a one-year, non-calculus based physics course. In this course, the following topics are studied: the nature of physics, linear motion and kinematics, dynamics, work and energy, linear momentum, rotational motion, heat, states of matter, waves, and sound. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – SCI</p> <p>Meets CTE/JTED – M&S</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		<p>Fee required</p> <p>Placement test may be required</p>

Course: PCCPOS100 (Online Only)		Introduction to Politics (Pima Community College: POS100, 3.0 Credit Hours)
Grade: 12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
Students enrolled in this dual credit course will examine and analyze the following topics, issues, principles, and trends in political science, politics and political science, political philosophy and ideology, comparative politics, the American national government, and international relations. This course carries a weighted grade. This course counts towards Pima Community College's AGEC – SBS Meets CTE/JTED – SBS		Fee required

Course: HIS101/HIS102		Introduction to Western Civilization I & II (Pima Community College HIS101 3.0 Credit Hours, HIS102 3.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: AHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
Students will study pre-history to the Wars of Religion, a period extending from 10,000 BCE to 1648 CE. This includes transition from pre-historic to the historic period, Greco-Roman world, Early, Central, and Late Middle Ages, and Renaissance and Reformation. Students will then continue through the Enlightenment, the Eighteenth century, the Nineteenth century, and the Twentieth century. This course carries a weighted grade. This course counts towards Pima Community College's AGEC – SBS Meets CTE/JTED – SBS		

Course: PCCPSY101 (Online Only)		Introduction to Psychology (Pima Community College: PSY101, 3.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
This course is designed as a survey of psychology, including history, perspectives, and methods. As part of this course, students will study the structure and functions of the nervous and endocrine systems, development, perception, learning and memory, intelligence, thinking and language. Students will also learn about motivation and emotion, personality, psychopathology, psychotherapy, stress and health, as well as social cognition and behavior. This course carries a weighted grade. This course counts towards Pima Community College's AGEC – SBS Meets CTE/JTED – SBS <i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i>		Fee required

Course: PCCSPA101 (Online Only)		Elementary Spanish I (Pima Community College: SPA101, 4.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>Students will receive an introduction to Spanish, including basic listening, reading, and writing skills. Students will also be exposed to cultural and geographic awareness. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – OTHER</p> <p>Meets CTE/JTED – A&H</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		Fee required

Course: PCCSPA102 (Online Only)		Elementary Spanish II (Pima Community College: SPA102, 4.0 Credit Hours)
Grade: 11-12	All Year	Course offered at: IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>This course is a continuation of SPA101 and will expose students to further development of oral and written forms, additional grammatical structures, interpersonal transactions, and geographical and cultural differences. An emphasis will be on balancing more complex structures with active communication. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – OTHER</p> <p>Meets CTE/JTED – A&H</p> <p><i>Sophomores may be permitted to take this course based on fulfillment of prerequisites and/or available seating.</i></p>		Fee required

Course: PCCWRT101/PCCWRT102		English Composition I & II (Pima Community College: WRT101, 3.0 Credit Hours / WRT102, 3.0 Credit Hours)
Grade: 12	All Year	Course offered at: AHS IRHS
Prerequisites: Apply to Pima Community College and completion of any placement requirements		
<p>In this course, students will learn about the principles and practices of college-level writing, including critically reading college texts, writing college-level essays using a variety of strategies, practicing diverse writing processes, using research effectively. Students will also engage in the reading, analyzing, and discussing various types of text. During the course, students will participate in writing analytical or critical papers and developing research skills. This course includes writing a research paper. This course carries a weighted grade.</p> <p>This course counts towards Pima Community College's AGEC – ENGL</p> <p>Meets CTE/JTED – OTHER</p>		<p>Fee required</p> <p>Placement test may be required</p>

INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME (CDO)

Four-Year Plan

#	Freshman Year	Sophomore Year	Junior Year	Senior Year
1	English 9 OR Honors English 9	English 10 OR Honors English 10	IB Literature HL 11 OR IB Literature and Performance SL 11	IB Literature HL 12 OR IB Literature and Performance SL 12
2	Spanish OR German OR French OR ASL	Spanish OR German OR French OR ASL	IB Spanish SL/HL 11 OR IB German SL/HL 11 OR French SL 11 OR Spanish ab initio SL 11	IB Spanish SL/HL 12 OR IB German SL/HL 12 OR French SL 12 OR Spanish ab initio SL 12
3	World History* OR AP World History*	Government & Economics OR AP Government/AP Economics	IB History HL 11*	IB History HL 12*
4	<i>Recommended prerequisites include:</i> Biology, Honors Biology, AP Biology	<i>Recommended prerequisites include:</i> Physics, Honors Physics, AP Physics Mechanics	IB Chemistry HL 11 OR IB Environmental Systems and Societies SL 11	IB Chemistry HL 12 OR IB Environmental Systems and Societies SL 12
5	<i>Recommended prerequisites include:</i> Algebra I, Algebra II, Honors Algebra II, Geometry, Honors Geometry, Pre-Calculus, Intro to Calculus	<i>Recommended prerequisites include:</i> Algebra II, Honors Algebra II, Geometry, Honors Geometry, Pre-Calculus, Intro to Calculus, AP Calculus AB	<i>For students who have had at least Honors Algebra II or Pre-Calculus:</i> IB Mathematics: Analysis and Approaches SL*** 11 OR <i>Non-IB prerequisite course:</i> Honors Alg. II, Pre-Calculus, Intro to Calculus	<i>For students who completed IB Math:</i> AP Calc AB, AP Calc BC, AP Stats OR <i>For students who have not completed IB Math:</i> IB Mathematics: Analysis and Approaches SL*** 12
6	PE/Fine Art/CTE/Other Elective**	PE/Fine Art/CTE/Other Elective**	IB Visual Arts SL***/HL OR IB Computer Science SL*** OR IB Dance SL*** OR IB Social Cultural Anthropology SL***/HL11	IB Visual Arts SL***/HL OR IB Computer Science SL*** OR IB Dance SL*** OR IB Social Cultural Anthropology SL***/HL12
7			IB TOK**** 11	IB TOK**** 12

The recommended prerequisite courses for admission to the IB Diploma Programme shown here are only a guide. Students who have taken courses other than these are encouraged to speak with their counselor about whether or not those courses meet the prerequisite expectations for IB courses and/or graduation requirements.

* AP World History is an elective course for students who plan on taking IB History. Completion of the two-year IB History course fulfills the graduation requirement for World History and US/AZ History.

Prerequisites for IB Elective courses include: **IB Computer Science SL: a minimum of Computer Apps I or instructor approval; **IB Visual Arts SL/HL**: an introductory art or photography course or instructor approval; **IB Dance SL**: Placement into Performance Dance through audition (this course is only available to DP students)

***All IB Elective SL courses and Mathematics SL are one-year courses. All other IB courses are two-years in duration. DP students must take the elective course choice as a junior. Individual course students may take IB elective courses either junior or senior year. *IB Mathematics and IB Dance are only available to students in the Diploma Programme.*

****Students in the Diploma Programme are required to participate in the IB Core: Theory of Knowledge (TOK), the Extended Essay (EE), and Creativity, Activity, and Service (CAS).

International Baccalaureate (IB) Diploma Programme Courses

LANGUAGE A COURSES

Course: IBP108A/IBP108B		IB Literature HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: "C" or better in previous year related subject		
<p>This course is centered upon the examination of classical works from world literature and drama. Students will engage in a variety of speaking and writing formats to build new knowledge while effectively communicating about the universal aspects of literature and the human experience internationally. Skills focus upon close reading techniques, language effects, written literary analysis, and oral commentary. Instruction and assignments prepare students for five compulsory IB exams: two individual oral presentations, a written assignment, and two external assessments. These exams are spread out over the course of the two years. This course carries a weighted grade.</p>		

Course: IBP223A/IBP223B		IB Literature & Performance SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisite: "C" or better in previous year related subject		
<p>This course is an interdisciplinary synthesis of Language A and Theatre. It incorporates essential elements of literature and performance and aims to explore the dynamic relationship between the two. At the heart of the course is this interaction between a conventional literary emphasis on close reading, critical writing and discussion, and the practical, aesthetic and symbolic elements of performance. A distinctive outcome of this synthesis is the performance of a piece transformed from poetry or prose. In this exciting, creative process, text is viewed from different angles in a way that goes beyond what is characteristic of either literary or theatre studies as single disciplines. The course as a whole examines literary and dramatic texts and seeks to develop intellect, imagination, and creativity. It encourages intercultural awareness through a study of texts from more than one culture. Literature and performance is available at standard level only. This course carries a weighted grade.</p>		

LANGUAGE B COURSES

Course: IBP110/IBP210		IB French SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: French I and II and teacher recommendation		
<p>This course is designed to help students refine and practice their proficiency in the French language, as well as develop cultural awareness and international mindedness. Students will be introduced to more advanced grammar points and language will be practiced through speaking, listening, reading, and writing activities in order to encourage all areas of language proficiency. Over the two year program, topics of study will range from science and technology, to customs and traditions, to current global challenges. Communication in real-life situations will be emphasized in each unit of study. Themes and questions relating to Theory of Knowledge will also be incorporated into our class discussions. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Course: IBP151/IBP152		IB French HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>French I and II and teacher recommendation</i>		
<p>This course is designed to help students refine and practice their proficiency in the French language, as well as develop cultural awareness and international mindedness. Students will be introduced to more advanced grammar points and language will be practiced through speaking, listening, reading, and writing activities in order to encourage all areas of language proficiency. Over the two year program, topics of study will range from science and technology, to customs and traditions, to current global challenges. Communication in real-life situations will be emphasized in each unit of study. Themes and questions relating to Theory of Knowledge will also be incorporated into our class discussions. French HL covers the same core requirements of the SL course, but includes the reading of two works of literature, creative writing and rationale based on one literary text read during the course, and additional writing components. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Course: IBP188/IBP189		IB Spanish ab initio SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Program Coordinator approval</i>		
<p>Language ab initio is a language acquisition course designed for students with no prior experience of the target language, or for those students with very limited previous exposure. At the language ab initio level, a student develops proficiency in language through speaking, listening, reading, and writing activities. Students learn to communicate in the target language in familiar and unfamiliar contexts as well as develop cultural awareness and international mindedness. This course does not carry a weighted grade and is only available to full IB Diploma students.</p>		

Course: IBP109/IBP209		IB Spanish SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Spanish I and II and teacher recommendation</i>		
<p>This course allows students to refine and practice their skills in the Spanish language, as well as develop cultural awareness and international mindedness. Students will learn advanced grammar points and develop proficiency in language through speaking, listening, reading, and writing activities. Over the two year program, this course will cover the three IB core topics (social relationships, global challenges, and media and communication) as well as at least two of the IB options (science and technology, health, leisure, customs and traditions, and cultural diversity). Students will learn to communicate in real-life situations and develop literacy in a variety of genres. Class discussions will also address themes and questions relating to the Theory of Knowledge course. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Course: IBP190/IBP191		IB Spanish HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Spanish I and II and teacher recommendation</i>		
<p>This course is designed to help students refine and practice their proficiency in the Spanish language, as well as develop cultural awareness and international mindedness. Students will be introduced to more advanced grammar points and language will be practiced through speaking, listening, reading, and writing activities in order to encourage all areas of language proficiency. Over the two year program, topics of study will range from science and technology, to customs and traditions, to current global challenges. Communication in real-life situations will be emphasized in each unit of study. Themes and questions relating to Theory of Knowledge will also be incorporated into our class discussions. Spanish HL covers the same core requirements of the SL course, but includes the reading of two works of literature, creative writing and rationale based on one literary text read during the course, and additional writing components. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Course: IBP111/IBP211		IB German SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>German I and II and teacher recommendation</i>		
<p>This course allows students to refine and practice their skills in the German language, as well as develop cultural awareness and international mindedness. Students will learn advanced grammar points and develop proficiency in language through speaking, listening, reading, and writing activities. Over the two year program, this course will cover the three IB core topics (social relationships, global challenges, and media and communication) as well as at least two of the IB options (science and technology, health, leisure, customs and traditions, and cultural diversity). Students will learn to communicate in real-life situations and develop literacy in a variety of genres. Class discussions will also address themes and questions relating to the Theory of Knowledge course. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

Course: IBP157/IBP158		IB German HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>German I and II and teacher recommendation</i>		
<p>This course allows students to refine and practice their skills in the German language, as well as develop cultural awareness and international mindedness. Students will be introduced to more advanced grammar points and develop proficiency in language through speaking, listening, reading, and writing activities. Over the two year program, this course will cover the three IB core topics (social relationships, global challenges, and media and communication) as well as at least two of the IB options (science and technology, health, leisure, customs and traditions, and cultural diversity). Students will learn to communicate in real-life situations and develop literacy in a variety of genres. Class discussions will also address themes and questions relating to the Theory of Knowledge course. German HL covers the same core requirements of the SL course, and also requires reading two works of literature, creative writing and rationale based on one literary text, and additional writing components. This course prepares students to successfully complete the IB examinations during year 2. This course carries a weighted grade.</p>		

INDIVIDUALS & SOCIETIES COURSES

Course: IBP107/IBP207		IB History (Americas Route) HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>"C" or better in previous year related subject</i>		
<p>IB History is a two-year course preparing students for the Higher Level Baccalaureate Exam. Students will obtain a solid foundation in content as well as skills in researching, note-taking, analyzing primary and secondary sources, making inferences, generalizing, drawing conclusions, and presenting knowledge. This course focuses on select periods of American, Canadian, and Latin American history for an in-depth study of the history of the Americas. Rather than providing a survey, the course allows the student to investigate certain sections of history through classroom, instruction, independent reading, and research. Students will learn skills that apply to the study of history in any context, but with a particular focus towards those needed for a research project and for Twentieth Century World History. This course carries a weighted grade.</p>		

EXPERIMENTAL SCIENCE COURSES

Course: IBP116/IBP216		IB Chemistry HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Adv. Algebra II</i>		
<p>IB Chemistry HL course combines academic study with the acquisition of practical and investigational skills through the experimental approach. The chemistry course covers the essential principles of Standard Level chemistry and extends each of the core topics to a deeper understanding. Throughout this challenging course, students become aware of how scientists work and communicate with each other. Further, students enjoy multiple opportunities for scientific study and creative inquiry within a global context. The curriculum of this course will prepare students for the IB Higher Level assessments and students in the course will be required to complete the Group 4 Project. <i>IB Chemistry HL may be taken after AP Chemistry for those students who completed AP Chemistry their sophomore year.</i> This course carries a weighted grade.</p>		

Course: IBP206		IB Environmental Systems & Societies SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Any of the following courses: biology, environmental science, earth/space science, physics, chemistry</i>		
<p>Environmental Systems & Societies (ESS) is a two-year, honors lab science course (11th-12th grade). ESS is firmly grounded in both scientific exploration of environmental systems in their structure and function, and in the exploration of cultural, economic, ethical, political and social interactions of societies with the environment. ESS has an emphasis on hands-on investigations in the lab and in the field and encourages students to develop solutions to environmental problems at the personal, community and global levels through research and service. Areas of study include: Ecosystems and Ecology; Biodiversity and Conservation; Water, Soil, and Atmospheric Systems and Societies; Food Production; Climate Change and Energy Production; and Human Systems and Resource Use. Prerequisites include any of the following courses: biology, environmental science, earth/space science, physics, or chemistry. This course carries a weighted grade.</p>		

MATHEMATICS COURSES

Course: IBP101		IB Mathematics: Analysis and Approaches SL
Grade: 11-12	All Year	Course offered at: CDO
Prerequisites: <i>Grade of "B" or better in Honors Algebra II or grade of "C" or better in Pre-Calculus or Intro to Calculus</i>		
<p>This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series. The course allows the use of technology, as fluency in relevant mathematical software and hand-held technology is important regardless of choice of course. However, Mathematics: Analysis and Approaches has a strong emphasis on the ability to construct, communicate, and justify correct mathematical arguments. It is important that the student has complete understanding and be completely proficient in all Algebra II concepts, as curriculum from the Honors Algebra II/Trig class is testable material for the external assessment for IB and will not be covered in this course. The individual project is an extended piece of work based on personal research involving the collection, analysis, and evaluation of data. A TI-84 graphing calculator is required for this course. This course carries a weighted grade.</p>		

ARTS & ELECTIVE COURSES

Course: IBP117		IB Social & Cultural Anthropology SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>"C" or better in previous year related social studies subject</i>		
<p>Social & Cultural Anthropology SL is the comparative study of culture and human societies. Anthropologists seek an understanding of humankind in all its diversity. This understanding is reached through the study of societies and cultures and the exploration of the general principles of social and cultural life. SL and HL students will learn the concepts, methods, language, and theories of the discipline. At the heart of the course is the practice of anthropologists, and the insights they produce as a result of this in the form of ethnographic material. Students are given the opportunity, through their own experiential internal assessment activity, to engage in authentic anthropological practice.</p> <p>Areas of anthropological inquiry in this course are; belonging, conflict, health, illness and healing, and the body. These areas are explored through the key anthropological concepts of belief and knowledge, change, culture, identity, materiality, power, social relations, society, and symbolism. The understanding of contemporary real-world issues such as war and conflict, the environment, poverty, injustice, inequality, and human and cultural rights will also be explored. The study of anthropology offers critical insights into the continuities and dynamics of social change, the development of societies, and what it means to live with differences. Additionally, it fosters the development of citizens who are globally aware, internationally minded, and ethically sensitive. This course carries a weighted grade.</p>		

Course: IBP105/IBP205		IB Social & Cultural Anthropology HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>"C" or better in previous year related social studies subject and/or IB teacher approval</i>		
HL students will follow the SL curriculum along with another area of inquiry; classifying the world. HL students will be able to partake in their own fieldwork study for the internal assessment. This course carries a weighted grade.		

Course: IBP118		IB Computer Science SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Computer Apps I or instructor approval</i>		
This course is highly recommended for students interested in careers in science, technology, engineering, and medicine. Computer scientists develop apps for Xbox, iPhone, Android, WiiU, Windows, OSX, Linux, and PlayStation operating systems. While the SL course does not assume that students have any previous experience in coding/programming, it is recommended that the student have general computing experience in basic Microsoft Office applications. The Internal Assessment project will have students design and develop a practical software application for a teacher, parent, friend, or business. Candidates will learn programming skills as a critical element of developing higher-level skills applicable to virtually all fields of study such as art, music, science, engineering, education, and entertainment. This course carries a weighted grade.		

Course: IBP120		IB Visual Arts SL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Intro. to 2D Art/3D Studio Art or Digital Media depending on course selection</i>		
Through the IB Visual Arts SL course, we offer students the opportunity to develop and extend their awareness of art as a form of communication and expressing ideas with confidence and competence. Students will see visual arts as a dynamic and constantly changing experience. The arts allow us to connect our imagination with the history of human experience – the study of art helps us to learn and appreciate cultural complexities. IB Visual Arts SL will encourage students to explore personal artistic intention. Students will study art from a diverse range of cultures and time periods, providing them with exposure to various values, philosophies, art historical styles or movements, and expressive intents. The course will encourage creativity and will balance academic rigor and exploration with related studio work, gallery talks, and museum visits. Assessments include a comparative study, process portfolio, and exhibition of 4-7 artworks. This course carries a weighted grade.		

Course: IBP112/IBP212		IB Visual Arts HL
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Intro to art or photography class or teacher approval</i>		
<p>Through the IB Visual Arts HL course, we offer students the opportunity to develop and extend their awareness of art as a form of communication, expressing ideas with confidence and competence. Students will see visual arts as a dynamic and constantly changing experience. All students will develop basic drawing skills and explore various media and methods to develop 2D and 3D art pieces. The class will discuss and evaluate art from a variety of eras and countries. Students create studio art and an investigation workbook that chronicles their thinking and exploration of themes, mediums, and methods. Students are assessed on comparative art studies, their process portfolio, and an exhibition of TOK will be integrated into various aspects of the studio work and investigation workbook. During the second year, students continue to develop and individualize their art skills. Each student identifies a personal focus for their studio art which includes further developing their investigation workbooks through further individualized study of art from various cultures and periods that are relevant to their development as artists. Assessments include a comparative study, process portfolio, and exhibition of 8-11 artworks. This course carries a weighted grade.</p>		

Course: IBP142		IB Dance SL
Grade: 11	1 Year Program	Course offered at: CDO
Prerequisites: <i>Placement into Performance Dance through audition</i>		
<p>The practice of dance helps to explore and value the diversity of the arts across history, the world, and its cultures. The IB Dance course will help students to understand dance as a set of disciplines with their own background and assumptions, and to understand that these practices incorporate physical, intellectual, and emotional knowledge. It also aims to appreciate mastery in various dance styles in traditions familiar and unfamiliar. Students will focus in three major areas: choreography, performance, and research, and will aim to express ideas with self-assurance and proficiency. They will come to see that dance can communicate various world cultures from their school environment, the surrounding community, and the globe. This course will provide the opportunity to emphasize a healthy lifestyle and to experience the joy of creating and exploring movement. Our focus is to develop the physical, emotional, social, and intellectual aspects in one's life. Our aim and objectives are to encounter the art of dance through movement, knowledge, and a level of performance as well as to increase self-confidence of a student. The course will offer intercultural awareness that will encourage students to consider multiple perspectives, develop knowledge, and skills. Skills are showcased in a final composition and analysis dance, a filmed performance piece, and an accompanying dance investigation essay. Assessments include composition, analysis, dance integration, and performances outside of regularly scheduled class time. This course carries a weighted grade.</p>		

THEORY OF KNOWLEDGE COURSE

Course: IBP100/IBP200		IB Theory of Knowledge
Grade: 11-12	2 Year Program	Course offered at: CDO
Prerequisites: <i>Full IB Diploma student</i>		
<p>The Theory of Knowledge (TOK) class is a "flagship element" of the IB Diploma Programme in which students are encouraged to think critically "about knowledge itself" by attempting to answer such questions as; "What counts as knowledge? How does it grow? What are its limits? Who owns knowledge? What is the value of knowledge? What are the implications of having, or not having, knowledge?" TOK students will further apply this inquiry to metaphysical, ontological, and epistemological problems in various areas of culture, especially in the academic disciplines of the Diploma, by exploring not only what they know, but how they know. The TOK class is presented in a seminar model in which students are expected to prepare thoroughly and participate actively and often. In addition to completing readings and formative assessments over the length of the course, TOK students will compose a paper on a prescribed title, and prepare and deliver a presentation on a knowledge issue. This course carries a weighted grade.</p>		

APPENDIX

FOUR-YEAR PLANNING WORKSHEET

