

# Mingus Union High School

## Course Catalog 2026-2027

High School Course Requirements 22 Credits Required for Graduation		
	Standard Pathway	College Bound Pathway AP Pathway
Subject	# of credits	# of credits
English	4	4
Math	4	4
Science	3	3 (lab sciences)
Social Studies	3	3
Fine Art OR Career Technical Education	1 2 (in the same subject)	1 1 (2 in same subject for graduation)
Physical Education	1	None required for college admissions. 1 credit required for HS graduation
World Language	0	2 (in the same language)
Elective Credits	5 or 6	4 or 5
<b>Total Credits Needed:</b>	<b>22 credits</b>	<b>22 credits</b>
<b>Grade Point Average (GPA)</b>	No minimum GPA	3.0+ ACT/SAT Recommended
<b>Required Testing</b>	Pass Civics Exam Complete CPR Training	Pass Civics Exam Complete CPR Training

Pathway	Description
<b>Standard Pathway</b>	The standard pathway consists of the minimum requirements needed for a student to graduate from high school.
<b>College Bound Pathway</b>	This pathway consists of the minimum requirements needed for a student to graduate from high school and be admissible to NAU, ASU, or U of A. Students who plan to attend an out of state public or private university should check admissions requirements for those institutions. We partner with Yavapai College to offer college credits for classes listed as Dual Enrollment (DE). Please note, most academic DE courses require placement testing the semester prior to the start of the course.
<b>AP Pathway</b>	The AP pathway consists of graduating from high school, having completed more rigorous classes to earn college credits. In order to earn college credits for AP classes, typically a student must score a 4 or 5 (check AZ Transfer site or with each university for exact score needed).

## Advanced Placement Courses

AP courses are college-level classes in a wide variety of subjects that you can take while still in high school. They offer you challenging course work and a taste of what college classes are like.

- AP courses offer the opportunity to study a subject in-depth at the college level. This better prepares a student for college work.
- If you receive a qualifying score on an AP Exam, you may be eligible for credit, advanced placement or both at most colleges in the United States.
- Students are eligible for a weighted grade on their transcript when they complete the AP Exam at the end of the course.
- AP Course Cost is \$15 for test prep book and College Board Test Fee (approximately \$100) Students who qualify for Free and Reduced Lunch are eligible for financial assistance.

## Dual Enrollment Courses

Dual Enrollment (DE) Courses allow students to earn both high school and college credits at the same time. The DE courses are taught at the high school by high school teachers who have the credentials to teach for the college. Upon satisfactory completion of the class, students will have an official college transcript for transfer credits or for Yavapai College degree and certification programs.

To be eligible for Dual Enrollment (DE), students must complete additional steps which include:

- Yavapai College Admissions
- Completion of the Accuplacer exam
  - Some courses require students to have a certain score on the Accuplacer to be eligible to take the course.
- Enrollment in the YC Course (Fall semester)

Dual Enrollment courses cost \$10 per credit hour paid during the MUHS Registration process. Scholarships are available for those who qualify.

For information on transferring classes to Arizona Public Universities, visit: [www.aztransfer.com](http://www.aztransfer.com)

## VACTE (Valley Academy for Career and Technology Education) Central Campus Programs

Valley Academy for Career and Technology Education is a joint technological education district serving high schools in our area including Mingus Union High School. VACTE offers numerous Central Campus Programs available for Mingus Union High School students.

To be eligible for VACTE Central Campus Programs, students must complete additional steps which include:

- VACTE Student Application (available during course selection)
- Yavapai College Admissions (if the course is Dual Enrollment through Yavapai College)
  - Completion of the Accuplacer exam - Some courses require students to have a certain score on the Accuplacer to be eligible to take the course.
  - Enrollment in the YC Course (Fall semester)

If a student drops the VACTE Central Campus Course once the semester has started, they will be charged the full cost for attendance in that course (this can be up to \$1000).

## **NCAA – National Collegiate Athletic Association**

Before an athlete can play a sport or receive an athletic scholarship at a Division I or Division II college, he/she must meet the specific academic criteria as set forth by the NCAA. Students must have a 2.3 GPA (based on a 4.0 scale) in 16 core courses. For additional information on GPA and test scores look at the Initial Eligibility Index on the NCAA website – [ncaa.org](http://ncaa.org).

Students must take specific courses in order to meet NCAA eligibility requirements. These include a college preparatory English, science, social studies, math courses with at least one year of algebra and geometry. It is very important that athletes meet with their school counselor and talk to their high school coach to obtain information on all the NCAA requirements. Athletes also need to complete an NCAA Clearinghouse Students Release form after their junior year in order to initiate the eligibility process. This is done through the NCAA Eligibility Center website.

# English Courses

Grade	Standard Pathway	University Pathway	AP Pathway
9 <sup>th</sup> Grade	English 9	English 9- <b>or</b> - Honors English 9	Honors English 9
10 <sup>th</sup> Grade	English 10	English 10- <b>or</b> - Honors English 10	Honors English 10
11 <sup>th</sup> Grade	English 11	English 11- <b>or</b> - AP Language and Composition	AP Language and Composition
12 <sup>th</sup> Grade	English 12	English 12- <b>or</b> - DE English 12	DE English 12

Honors and AP Note: English Honors and AP courses are intended for highly motivated students for whom reading and writing is a passion. Admittance to an Honors course may require the following:

- Demonstrated commitment to course work.
- A recommendation from the previous English teacher
- Parent/Counselor meeting with instructor

## English 9

Grades	Credits	Prerequisites	Course #
9	1	None	2010

English 9 introduces students to a broad range of literary genres, including short stories, novels, poetry, drama, and literary nonfiction. Students develop foundational reading, writing, speaking, and listening skills with an emphasis on analytical thinking. Writing instruction focuses primarily on expository and persuasive modes to support preparation for state assessments. Students are also introduced to literary criticism, research basics, vocabulary development, and effective use of library resources. **A minimum of four extended writing assignments (two per semester) is required for course credit.**

## Honors English 9

Grades	Credits	Prerequisites	Course #
9	1	Teacher recommendation	2015

Honors English 9 provides an accelerated and in-depth study of literature and composition for students preparing for advanced coursework. The course emphasizes critical reading, analytical writing, research, and academic discussion. Students are expected to read and write at an advanced level and support analysis with evidence from texts and research. This course builds a strong foundation for future Honors and AP English classes. **A minimum of four extended writing assignments (two per semester) is required for course credit.**

## English 10

Grades	Credits	Prerequisites	Course #
10	1	2010 – English 9 or 2015 – Honors English 9	2020

English 10 builds upon skills developed in English 9 and continues preparation for state-mandated

assessments. Students study world literature with an emphasis on works from Latin America, Asia, Africa, the Middle East, and Russia. Instruction includes close textual analysis, exploration of historical and cultural contexts, and development of literary analysis, persuasive, and expository writing. Students also participate in student-led discussions, oral presentations, and ongoing vocabulary study. ***Students must complete a minimum of three major essays during the school year to earn course credit.***

## Honors English 10

Grades	Credits	Prerequisites	Course #
10	1	2015 – Honors English 9 or Teacher recommendation	2025

Honors English 10 focuses on world literature with increased rigor in reading, writing, and discussion. Students engage in advanced literary analysis and frequent analytical writing assignments. Vocabulary study is more intensive and constitutes a significant portion of the course grade. This course is designed to prepare students for AP-level English coursework. ***Students must satisfactorily complete a minimum of three analytical essays to earn course credit.***

## English 11

Grades	Credits	Prerequisites	Course #
11	1	2020 – English 10 or 2025 – Honors English 10	2030

English 11 is a comprehensive study of American literature from early Native American traditions through the late twentieth century. Students refine research and writing skills developed in previous years by integrating multiple sources and perspectives, analyzing literary criticism, and producing longer analytical and research-based essays. Emphasis is placed on critical reading, academic writing, and effective argumentation. ***Students must complete a minimum of six extended writing assignments (three per semester) to earn course credit.***

## AP Language and Composition

Grades	Credits	Prerequisites	Course #
11	1	2025 – Honors English 10 or 2020 - English 10 with a C or higher or Teacher recommendation	2035

AP Language and Composition is a college-level course that focuses on the rhetorical analysis of nonfiction texts and the development of effective writing for a variety of purposes and audiences. Students become skilled readers of prose from diverse periods, disciplines, and rhetorical contexts while learning to analyze how writers use language to achieve specific effects. Writing instruction emphasizes argumentation, synthesis, and rhetorical strategies. Successful completion of Honors English 9 and 10 is strongly recommended. Students are highly encouraged to take the AP Language and Composition Exam in May. ***A minimum of six extended writing assignments (three per semester) is required for course credit.***

## English 12

Grades	Credits	Prerequisites	Course #
12	1	2030 – English 11 or 2035 – AP Lang/Comp	2040

English 12 prepares students for postsecondary academic and professional success through the study of European literature from the Dark Ages through the twentieth century. Students analyze major literary works and ideas while continuing to strengthen research, writing, and critical thinking skills. Instruction emphasizes literary analysis, synthesis of sources, and research-based writing. ***Students must complete a minimum of six extended writing assignments (three per semester) to earn course credit.***

## English 12 DE (Dual Enrollment)

ENG 101 – College Composition I (3 Yavapai College Credits)

ENG 102 – College Composition II (3 Yavapai College Credits)

Grades	Credits	Prerequisites	Course #
12	1	2030 – English 11 or 2035 – AP Lang/Comp and Must meet YC Entrance Requirements	2041
English 12 Dual Enrollment consists of College Composition I (ENG 101) and College Composition II (ENG 102) through Yavapai College. Students focus on expository and argumentative writing for specific audiences, critical reading, research, and documentation. The second semester emphasizes literary analysis, advanced composition, and research-based writing. Students who earn a grade of C or higher receive college credit transferable to most colleges and universities. <b><i>This course is recommended for students seeking college-level rigor and early accumulation of college credits.</i></b>			

# Math Courses

Grade	Standard Pathway	University Pathway	University Pathway <i>*If Algebra 1 credit taken in 8<sup>th</sup> grade</i>
9 <sup>th</sup> Grade	Algebra 1	Algebra 1- <b>or</b> - Honors Algebra 1	Geometry- <b>or</b> - Honors Geometry
10 <sup>th</sup> Grade	Geometry	Geometry- <b>or</b> - Honors Geometry	Algebra 2- <b>or</b> - Honors Algebra 2
11 <sup>th</sup> Grade	Algebra 2	Algebra 2- <b>or</b> - Honors Algebra 2	DE College Math- <b>or</b> - DE Pre-Calculus
12 <sup>th</sup> Grade	Discrete Math	Discrete Math - <b>or</b> - DE College Math- <b>or</b> - DE Pre-Calculus	DE Pre-Calculus- <b>or</b> - DE Calculus

## Algebra 1

Grades	Credits	Prerequisites	Course #
8 or 9	1	None	3010
Algebra 1 introduces students to the fundamental concepts and structures of algebra required for higher-level mathematics, science, and technical studies. Students explore properties of the real number system; operations with linear, quadratic, rational, and radical expressions; factoring techniques; solving equations and systems of equations; graphing functions; and solving and graphing inequalities. Emphasis is placed on problem-solving, mathematical reasoning, and real-world applications.			

## Honors Algebra 1

Grades	Credits	Prerequisites	Course #
8-9	1	Teacher Recommendation	3015
Honors Algebra 1 covers the same core content as Algebra 1 but at an accelerated pace and with greater depth. Students engage in more complex problem-solving, extended applications, and higher-level reasoning. The course emphasizes mastery of algebraic concepts to prepare students for advanced mathematics coursework.			

## Geometry

Grades	Credits	Prerequisites	Course #
9-10	1	3010 – Algebra 1 or 3015 - Honors Algebra 1	3020
Geometry develops students' understanding of the properties and relationships of two- and three-dimensional figures. Students apply inductive and deductive reasoning to explore geometric concepts and construct formal proofs. Topics include congruence, similarity, polygons, circles, transformations, and coordinate geometry. Algebraic skills are reinforced throughout the course, and real-world applications are emphasized.			

## Honors Geometry

Grades	Credits	Prerequisites	Course #
9-10	1	3010 – Algebra 1 with a B or higher or 3015 - Honors Algebra 1 or Teacher Approval	3025

Honors Geometry provides an in-depth and rigorous exploration of geometric concepts with a strong emphasis on logical reasoning and proof. Students study the properties, measurements, and relationships of one-, two-, and three-dimensional figures while extending their understanding of algebra through coordinate geometry. This course prepares students for advanced mathematics coursework.

## Algebra 2

Grades	Credits	Prerequisites	Course #
10-11	1	3010 – Algebra 1 with a B or higher or 3015 - Honors Algebra 1	3030

Algebra 2 expands upon concepts introduced in Algebra 1 and further develops students' understanding of algebraic relationships. Topics include polynomial, rational, and radical expressions; quadratic, rational, and radical equations; functions and their representations; and real-world applications. Appropriate technology is incorporated to enhance conceptual understanding and problem-solving skills.

## Honors Algebra 2

Grades	Credits	Prerequisites	Course #
10-11	1	3010 – Algebra 1 with a A or higher or 3015 - Honors Algebra 1 or Teacher Approval	3035

Honors Algebra 2 offers an accelerated and comprehensive study of advanced algebraic concepts. Students examine equations, inequalities, functions (including exponential and logarithmic), systems of equations, probability and statistics, discrete mathematics topics, and introductory trigonometry. This course is designed to prepare students for pre-calculus, calculus, and other college-level mathematics.

## Integrated Math

Grades	Credits	Prerequisites	Course #
11-12	1	Approved Personal Math Curriculum	3028

Integrated Math Applications reviews and extends concepts from Algebra and Geometry with an emphasis on practical applications. Students study linear equations, inequalities, functions, systems of equations, quadratic and exponential functions, radicals, and properties of exponents. The course supports students in strengthening mathematical understanding through applied problem-solving.

## Discrete Mathematics/Modeling

Grades	Credits	Prerequisites	Course #
12	1	3030 – Algebra 2 or 3035 – Honors Algebra 2 or 3028 – Integrated Math	3040



Discrete Mathematics and Modeling emphasizes connections among algebra, geometry, arithmetic, and discrete mathematics. Topics include mathematical modeling, graph theory, matrices and their applications, consumer mathematics, symbolic logic, and critical thinking. Students apply mathematical reasoning to analyze real-world problems and develop decision-making skills.

## College Math DE (Dual Enrollment)

MAT 142 - College Mathematics (Yavapai College 3 credits)

Grades	Credits	Prerequisites	Course #
11-12	.5	3030 – Algebra 2 or 3035 – Honors Algebra 2 and Must Meet YC Entrance Requirements	3152

College Mathematics is a survey course covering a variety of mathematical topics and applications, including statistics, probability, exponential functions, finance, dimensional analysis, and selected discrete mathematics concepts. Students use appropriate technology, including graphing calculators, to support problem-solving. Successful completion earns Yavapai College credit transferable to many colleges and universities.

## Elementary Statistics (Dual Enrollment)

MAT 167 – Elementary Statistics (Yavapai College 3 credits)

Grades	Credits	Prerequisites	Course #
11-12	.5	3152 – College Math DE	3153

Elementary Statistics introduces students to statistical methods used in research and real-world applications. Topics include descriptive statistics, probability, probability distributions, estimation, hypothesis testing, correlation, and regression. Students use technology to analyze data and interpret results. Successful completion earns transferable college credit.

## Pre-Calculus (Dual Enrollment)

MAT 187 – Pre-Calculus (Yavapai College 5 credits)

Grades	Credits	Prerequisites	Course #
11-12	1	Must Meet YC Entrance Requirements	3050

Pre-Calculus combines advanced algebra and trigonometry concepts essential for the study of calculus and analytic geometry. Topics include linear, quadratic, polynomial, rational, exponential, and trigonometric functions; systems of equations; matrices; and trigonometric analysis. Technology is used to support instruction and problem-solving. Successful completion earns college credit.

## Calculus I (Dual Enrollment)

MAT 220 – Calculus & Analytic Geometry 1 (Yavapai College 5 credits)

Grades	Credits	Prerequisites	Course #
11-12	.5	3050 – Pre-Calculus DE with a grade of C or higher and must meet YC Entrance Requirements	3061

Calculus I introduces students to the calculus of single-variable functions. Topics include limits, differentiation, integration, and applications of derivatives. Emphasis is placed on conceptual understanding, analytical techniques, and real-world applications. Successful completion earns transferable college credit.

## Calculus II (Dual Enrollment)

MAT 230 – Calculus & Analytic Geometry II (Yavapai College 5 credits)

Grades	Credits	Prerequisites	Course #
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11-12	.5	3061 – Calculus I DE	3062
Calculus II continues the study of calculus with a focus on advanced integration techniques, applications of integration, infinite series, and an introduction to differential equations. Students further develop analytical reasoning and problem-solving skills. Successful completion earns transferable college credit.			

# Science Courses

Grade	Pathway Standard/University		Pathway Standard/University  Best for students interested in Science, Technology, Engineering, or Medical Careers	Agriscience Pathway  *Meets AZ Board of Regents Requirements
9 <sup>th</sup> Grade	Physical Science		Biology- <b>or</b> - Honors Biology	Agriscience 1 <b>-and-</b> Physical Science
10 <sup>th</sup> Grade	Biology- <b>or</b> - Honors Biology		Chemistry- <b>or</b> - Honors Chemistry	Agriscience 2
			Physics- <b>or</b> - Honors Physics	
11 <sup>th</sup> Grade	Physics- <b>or</b> - Honors Physics	Chemistry- <b>or</b> - Honors Chemistry	Physics- <b>or</b> - Honors Physics- <b>or</b> - AP Biology- <b>or</b> - AP Chemistry	Agriscience 3
			Chemistry- <b>or</b> - Honors Chemistry	
12 <sup>th</sup> Grade	( <b>optional</b> ) Chemistry- <b>or</b> - Honors Chemistry	( <b>optional</b> ) Physics- <b>or</b> - Honors Physics- <b>or</b> - AP Biology- <b>or</b> - AP Chemistry	( <b>optional</b> ) AP Biology- <b>or</b> - AP Chemistry	Agriscience 4

## Physical Science

Grades	Credits	Prerequisites	Course #
9	1	None	5015

Physical Science introduces students to the fundamental principles governing the physical world. The course emphasizes scientific inquiry, measurement, graphing, and data analysis while exploring core concepts in chemistry, physics, and Earth and space science. Topics include atomic structure and bonding, motion and forces, energy, and Earth systems such as geology and astronomy. Instruction focuses on mastery of Arizona Science Standards through hands-on investigations and real-world applications.

## Biology

Grades	Credits	Prerequisites	Course #
9-10	1	5015 - Physical Science or 3015 – Honors Algebra 1 with a B or higher	5020

Biology explores the fundamental concepts of living systems and life processes. Students study the chemistry of life, cell structure and function, cellular energy, cell division, heredity and genetics, evolution, and ecology. Laboratory activities and scientific inquiry are emphasized to support conceptual understanding and alignment with Arizona Science Standards.

## Honors Biology

Grades	Credits	Prerequisites	Course #
9-10	1	5010 – Physical Science with a C or higher or 3015 – Honors Algebra 1 with a B or higher	5030

Honors Biology is an accelerated course designed for students seeking increased rigor in the life sciences. Students examine biological concepts in greater depth, including cellular processes, genetics, evolution, ecology, and biological classification. Emphasis is placed on analytical thinking, laboratory investigation, and preparation for advanced science coursework.

## AP Biology

Grades	Credits	Prerequisites	Course #
12	1	5020 – Biology or 5030 – Honors Biology And 5050 – Chemistry or 5054 – Honors Chemistry	5031

AP Biology is a college-level course that emphasizes inquiry-based investigations and conceptual understanding of biological systems. Students explore evolution, cellular processes, energy and communication, genetics and information transfer, ecology, and biological interactions. This course prepares students for the AP Biology Exam and potential college credit.

## Chemistry

Grades	Credits	Prerequisites	Course #
11-12	1	5020 – Biology or 5030 – Honors Biology AND 3030 – Algebra 2 (can be concurrent) 3035 – Honors Algebra 2 (can be concurrent)	5050

Chemistry examines the composition, properties, and transformations of matter through classroom instruction and laboratory experimentation. Topics include stoichiometry, nomenclature, chemical reactions, thermochemistry, kinetics, equilibrium, and nuclear chemistry. Students apply mathematical reasoning and scientific inquiry to analyze chemical phenomena.

## Honors Chemistry

Grades	Credits	Prerequisites	Course #
11-12	1	5020 – Biology or 5030 – Honors Biology AND 3030 – Algebra 2 (can be concurrent) 3035 – Honors Algebra 2 (can be concurrent)	5054

Honors Chemistry provides an accelerated and more detailed study of chemical principles. In addition to core chemistry topics, students engage in advanced problem-solving related to thermodynamics, kinetics, equilibrium, and introductory quantum concepts. This course prepares students for the rigor of AP Chemistry and college-level science coursework.

## AP Chemistry

Grades	Credits	Prerequisites	Course #
12	1	5050 – Chemistry AND Instructor Approval OR 5054 – Honors Chemistry	5055

AP Chemistry is a college-level laboratory science course equivalent to a first-year college chemistry class. Students develop a deep understanding of chemical concepts through extensive laboratory work, mathematical analysis, and problem-solving. The course prepares students for the AP Chemistry Exam and potential college credit and fulfills a laboratory science requirement for Arizona public universities.

## Physics (Mechanics/Motion)

Grades	Credits	Prerequisites	Course #
11-12	1	2 credits of science AND 3030 – Algebra 2 (can be concurrent) 3035 – Honors Algebra 2 (can be concurrent)	5060

Physics focuses on the study of motion, forces, energy, and matter. Students examine kinematics and dynamics through conceptual analysis, mathematical modeling, and laboratory investigations. Applications of physics principles in technology and engineering are emphasized.

## Honors Physics (Mechanics/Motion)

Grades	Credits	Prerequisites	Course #
11-12	1	2 credits of science AND 3030 – Algebra 2 with a B or higher 3035 – Honors Algebra 2 (can be concurrent)	

Honors Physics provides an in-depth and mathematically rigorous exploration of motion and mechanics. In addition to core physics topics, students study electromagnetism, waves, optics, sound, and basic electricity. The course emphasizes advanced problem-solving, extended laboratory investigations, and preparation for college-level physics coursework.

# Social Studies Courses

Grade	Standard Pathway	University Pathway	Advanced Placement Pathway
9 <sup>th</sup> Grade			
10 <sup>th</sup> Grade	World History	World History	AP World History
11 <sup>th</sup> Grade	US History	US History	AP US History
12 <sup>th</sup> Grade	Government and Economics	Government and Economics	Government and Economics

## World History

Grades	Credits	Prerequisites	Course #
10-12	1	None	4010

World History engages students in a comprehensive study of global history beginning in the fifteenth century and continuing to contemporary times. Through inquiry-based learning, students examine major political, economic, cultural, and social developments across both Eastern and Western Hemispheres. Geographic concepts and historical thinking skills are integrated throughout the course to help students analyze patterns, continuity, and change over time.

## AP World History

Grades	Credits	Prerequisites	Course #
10-12	1	Teacher Recommendation	4015

AP World History is a college-level course structured around six chronological periods and organized through key concepts and thematic learning. Students develop historical thinking skills including chronological reasoning, comparison, contextualization, synthesis, and argumentation based on evidence. Course themes include human–environment interaction, cultural development, state-building and conflict, economic systems, and social structures. This course prepares students for the AP World History Exam and potential college credit.

## US History

Grades	Credits	Prerequisites	Course #
11	1	None	4020

US History examines the political, social, and economic development of the United States from the colonial era through modern times. The first semester focuses on early American history through Reconstruction, while the second semester explores the Gilded Age to contemporary America. Students analyze primary and secondary sources, engage in historical inquiry, and develop skills in critical thinking and written analysis.

## AP US History

Grades	Credits	Prerequisites	Course #
11	1	Teacher Recommendation	4025

AP US History is a rigorous, college-level survey of American history from pre-Columbian times to the present. Students analyze historical documents, evaluate diverse perspectives, and develop strong historical writing skills. Emphasis is placed on constructing evidence-based arguments and understanding the complexity of the American experience. This course prepares students for the AP US History Exam and potential college credit.

## Government Economics

Grades	Credits	Prerequisites	Course #
12	.5	None	4030

Government focuses on the philosophical foundations, constitutional principles, and structure of the American political system. Students examine the roles and responsibilities of citizens, the function of government institutions, and the significance of the Bill of Rights. The course emphasizes civic engagement, critical analysis, and informed participation in a democratic society.

## Economics

Grades	Credits	Prerequisites	Course #
12	.5	None	4035

Economics introduces students to fundamental economic principles with an emphasis on the free-market system. Topics include supply and demand, personal finance, global economics, and current economic issues. Students explore real-world applications of economic decision-making and develop financial literacy skills relevant to postsecondary life.

# World Language Courses

## Spanish 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	7510
The Spanish 1 course is based on the ACTFL World Language standard skills: listening, speaking, reading and writing. By the end of the course, students will be able to carry on a simple conversation and speak or write about culture and everyday life using basic vocabulary and grammatical structures in the present tense.			

## Spanish 2

Grades	Credits	Prerequisites	Course #
10-12	1	7510 – Spanish 1	7520
Spanish 2 is a continuation of the foundation established in Spanish 1. Emphasis is on mastery of the basic grammatical structures and increased communicative proficiency. Acquisition of functional vocabulary from Spanish 1 is expected. Students will be exposed to the past tense and irregular grammatical structures. Students will be expected to apply them in their writing and speaking. It is recommended this in-person course only be taken after successful completion of an in-person Spanish 1 course.			

## American Sign Language 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	7610
American Sign Language 1 is a beginning course designed to introduce students to the basics of ASL vocabulary, grammar, and fundamental signing, as well as reading and writing skills. Students will explore Deaf culture and the Deaf community by examining Deaf history, traditions, and current events. The course emphasizes the practical importance of ASL as a communication tool for everyday interactions and as a gateway to understanding cultural and linguistic diversity. Through immersive practice, students develop receptive and expressive skills, cultural awareness, and the confidence to communicate effectively in ASL.			

# Fine Arts Courses

## Performing and Visual

### Chorale/Concert Choir

Grades	Credits	Prerequisites	Course #
9-12	1	None – no previous singing experience needed	6200
This course introduces students to vocal music through instruction in music reading, vocal technique, and ensemble performance. Students develop skills in sight-reading, rhythm, tone production, and basic music theory while performing a wide range of musical styles. <b>Participation in all scheduled rehearsals and performances is required.</b>			

### Performance Choir

Grades	Credits	Prerequisites	Course #
10-12	1	6200 – Chorale/Concert Choir	6205
Performance Choir is an advanced ensemble for students who have demonstrated proficiency in vocal performance. The course emphasizes advanced vocal technique, musicianship, and performance of more challenging repertoire. Students perform frequently in school and community settings and are expected to demonstrate a high level of commitment and preparation. <b>Participation at concerts and performances is expected and required.</b>			

### Music Theory

Grades	Credits	Prerequisites	Course #
9-12	1	None	6300
This course will teach students how to develop the ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. Students will develop their skills in aural recognition, sight-singing, composition, and analysis. Skills developed in this course can give students the ability to test out of beginning level theory prerequisite college courses.			

### Beginning Concert Band

Grades	Credits	Prerequisites	Course #
9-12	1	None	6120
Beginning Concert Band provides instruction in the fundamentals of instrumental performance for woodwind and brass musicians. Students learn music reading, tone production, rhythm, and ensemble skills. No prior musical experience is required. <b>Participation in concerts is required.</b>			

### Advanced Concert Band

Grades	Credits	Prerequisites	Course #
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10-12	1	6120 – Beginning Concert Band	6122
Advanced Concert Band builds upon foundational instrumental skills with an emphasis on advanced musicianship, ensemble performance, and stylistic interpretation. Students perform challenging repertoire and participate in concerts and adjudicated festivals. <b>Participation in concerts is required.</b>			

## Percussion Ensemble

Grades	Credits	Prerequisites	Course #
9-12	1	None	6150
Percussion Ensemble introduces students to percussion performance through instruction in rhythm, technique, music reading, and ensemble skills. Students perform on a variety of percussion instruments and participate in concerts throughout the year.			

## Rock/Jazz Ensemble

Grades	Credits	Prerequisites	Course #
10-12	1	6120 – Beginning Concert Band	6116
Rock / Jazz Ensemble focuses on the performance of jazz and contemporary music styles. Students develop advanced ensemble skills, improvisation techniques, and stylistic interpretation through performance-based instruction.			

## Theatre Arts 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	6210
Theatre Arts 1 introduces students to the fundamentals of acting and theatrical performance. Students explore improvisation, monologues, scenes, and short plays while developing confidence and collaboration skills. The course culminates in a staged performance (a short one-act play).			

## Theatre Arts 2

Grades	Credits	Prerequisites	Course #
10-12	1	6210 – Theatre Arts 1	6220
Theatre Arts 2 builds upon foundational acting skills with increased emphasis on character development, script analysis, and performance technique. Students participate in more advanced productions and demonstrate artistic growth and leadership.			

## Theatre Arts 3

Grades	Credits	Prerequisites	Course #
11-12	1	6220 – Theatre Arts 2	6240
Theatre Arts 3 provides advanced instruction in acting and theatrical production. Students refine performance techniques, explore directing concepts, and participate in more complex productions. Emphasis is placed on character analysis, rehearsal discipline, collaboration, and leadership within the ensemble.			

## Theatre Arts 4

Grades	Credits	Prerequisites	Course #
12	1	6240 – Theatre Arts 3	6227

Theatre Arts 4 is an advanced, performance-focused course for students pursuing in-depth study of theatre. Students assume leadership roles in productions, refine advanced acting skills, and prepare performance portfolios or auditions for postsecondary opportunities. The course emphasizes artistic independence, professionalism, and ensemble responsibility.

## Beginning Art

Grades	Credits	Prerequisites	Course #
9-12	.5	None	6010

In Beginning Art, two-dimensional and other drawing techniques are studied. The major emphasis is on drawing, but color techniques are included. The students are responsible for keeping a sketchbook and supplying their own materials.

## Art Appreciation

Grades	Credits	Prerequisites	Course #
9-12	.5	6010 – Beginning Art	6017

Art Appreciation is a foundational visual arts elective designed to engage students in understanding, analyzing, and creating art through the lens of the Arizona Visual Arts Standards. Students will explore how artists use the Elements and Principles of Design to communicate meaning, how art reflects and shapes history and world cultures, and how personal and cultural perspectives influence aesthetic response and critique. Through both analytical and hands-on experiences, students will develop visual literacy, creativity, problem-solving, and a deeper appreciation of art as a universal human expression.

## Drawing 2B

Grades	Credits	Prerequisites	Course #
9-12	.5	6010 – Beginning Art	6005

Drawing B is a course where students will build upon their skills from drawing A using two-dimensional and other drawing techniques focused on a variety of drawing mediums (including graphite pencil, Pen and Ink, Colored Pencil and Charcoal). The major emphasis of this course will include realistic drawing, gridding techniques, color use and class critiques. Students will be responsible for keeping a sketchbook and supplying their own materials.

## Photography

Grades	Credits	Prerequisites	Course #
10-12	1	6010 – Beginning Art	6013

Photography class is an intermediate level class which offers art instruction through photographic techniques. This class introduces the exploration of the elements of art and the principles of design in a manner that allows them to express themselves photographically. Students are responsible for keeping a portfolio and supplying their own materials. Use of a cell phone for taking pictures is required.

## Intermediate Art

Grades	Credits	Prerequisites	Course #
10-12	1	6010 – Beginning Art	6020

Intermediate Art offers instruction in a variety of mediums including pen and ink; chalk pastel; watercolor and acrylic paints. This class introduces the exploration of color in art while providing an understanding of creative mediums. It also focuses on further development of student proficiency in the elements of art and principles of design. Students are responsible for keeping a sketchbook and supplying their own materials.

## Advanced Studio Art

Grades	Credits	Prerequisites	Course #
11-12	1	6012 – Beginning Art or 6020 – Intermediate Art	6030

This class primarily focuses on concept rather than technique. It is assumed that students entering this class will have the strong foundations in technique that it takes to produce conceptually original art works of the highest caliber. This course serves as a gateway to Advanced Placement Studio Art. Students are responsible for supplying a sketchbook along with any other supplementary materials beyond what the school can provide.

## AP Studio Art

Grades	Credits	Prerequisites	Course #
12	1	6020 – Advanced Studio Art	6035

The AP Studio Art program is intended for highly motivated students who are seriously interested in studio art and have completed Advanced Art or have instructor approval in order to achieve AP Studio Art credit students must complete additional work outside class in order to complete a portfolio. The completed portfolio will contain a minimum of 29 works of art. This work can stem from Beginning Art through AP Art. The student's final evaluation is based not upon a written exam, but rather on this portfolio. Each piece will be digitally photographed and then evaluated by the College Board.

# Physical Education Courses

## Freshman PE/Health – Girls and Boys

Grades	Credits	Prerequisites	Course #
9	1	None	7010 – Boys 7011 – Girls
This course introduces students to the importance of physical fitness and personal health. Physical education instruction includes proper stretching techniques, cardiovascular endurance, muscular strength, and skill development through a variety of team and individual activities. The health component focuses on nutrition, human body systems, substance abuse prevention, and lifelong wellness skills. This course fulfills the physical education graduation requirement.			

## Sports Performance (Weights)

Grades	Credits	Prerequisites	Course #
9-12	1	7010 – Boys PE or 7011 – Girls PE	7050
Sports Performance is designed to improve overall physical fitness through strength training and conditioning. Students engage in activities that build cardiovascular endurance, flexibility, muscular strength, and muscular endurance. Instruction emphasizes proper lifting techniques, safe spotting, goal setting, and fitness assessment. This course may be repeated for credit with instructor approval.			

## Advanced Sports Performance (Weights)

Grades	Credits	Prerequisites	Course #
10-12	1	7050 – Sports Performance (Weights)	7051
Advanced Sports Performance is designed for students participating in Mingus Union High School athletics. This course provides a supervised, physiologically sound strength and conditioning program that supports injury prevention, athletic performance, and confidence development. Students also focus on speed, agility, and conditioning. This course may be repeated for credit with instructor approval.			

## Advanced Sports Training

Grades	Credits	Prerequisites	Course #
10-12	1	<ul style="list-style-type: none"> <li>A passing grade in Freshman PE</li> <li>Must have been a VARSITY athlete at least one year prior.</li> </ul>	

		<ul style="list-style-type: none"> <li>Course teacher approval, AD approval, and varsity coach recommendation IF a student athlete is not a returning varsity athlete.</li> </ul>	
<p>Advanced Sports Training is designed for varsity student-athletes seeking advanced athletic development. The course emphasizes sport-specific strength training, speed and agility development, injury prevention, nutrition, and recovery. Students participate in in-season or out-of-season training and develop leadership skills, sports psychology awareness, and college athletic preparation.</p>			

# Career & Technical Education Courses (CTE)

<b>Agricultural Science 1</b>			
<b>Grades</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Course #</b>
9-12	1	None	9010
<p>This course is the introductory class in the Agricultural Program. Classroom instruction includes plant science, small animal production, greenhouse production, environmental studies, plus leadership and team building. Students in this class enjoy a hands-on experience. Skills are tested in the many contests the FFA National Organization has to offer. Students are required to have an individual project related to agriculture to promote work ethic and enhance workplace skills. Examples of these projects are raising animals for sale, developing gardens, raising fish, agriculture related science experiments, etc. Outside-of-class projects are called SAEs (Supervised Agricultural Experiences) and are required in order for students to extend their learning and develop their work ethic and workplace skills. Participation in FFA is mandatory and is a part of the state required curriculum.</p>			

<b>Agricultural Science 2 (Dual Enrollment)</b>			
AGE 100 – Introduction to Equine Science (4 Yavapai College Credits)			
AGE 120 – Introduction to Animal Industry (4 Yavapai College Credits)			
<b>Grades</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Course #</b>
10-12	1	9010 – Agricultural Science 1	9020
<p>This course covers the biological world as explored through hands-on labs. This course covers the advanced study and practices of livestock which include horses, swine, cattle, sheep and poultry. Units covered in this class include equine science, ecology, plant and animal genetics, and livestock production. Outside-of-class projects called SAE (Supervised Agricultural Experience) are required in order for students to extend their learning and develop their work ethic and workplace skills. State Biology Standards are taught through a full year of Applied Biological Systems. Participation in FFA is mandatory and is a part of the state required curriculum. <b>Students completing a full year of Agriscience 2 will earn the equivalent to a Biology credit accepted at all Arizona Universities.</b></p>			

## Agricultural Science 3 (Dual Enrollment)

AGS - 261 – Aquaculture Science (4 Yavapai College Credits)

Grades	Credits	Prerequisites	Course #
11-12	1	9020 – Agricultural Science 2	9030

Technical information demonstrations and hands-on practicum will be presented in the above course subject areas. Students are required to select an individual project related to agriculture to promote work ethic and enhance workplace skills (SAE). This course also includes an introduction to the aquaculture and fisheries industry and the related career opportunities. Topics include ecology, basic fish culturing environments, species identification of fresh and saltwater fish, fish biology, disease prevention and treatments and fish feed and feeding techniques. DE students will visit Bubbling Ponds in Page Springs to harvest endangered species for reintroduction in native waterways and participate in Trout in the Classroom. Participation in FFA is mandatory and is a part of the state required curriculum.

## Agricultural Science 4 (Dual Enrollment)

AGS – 120 – Introduction to Animal Industry (4 Yavapai College Credits)

Grades	Credits	Prerequisites	Course #
11-12	1	9030 – Agricultural Science 3	9040

This course is an advanced level course and a continuation of the Agriscience curriculum. Students are required to select an individual project related to agriculture to promote work ethics and enhance workplace skills (SAE). Emphasis is on greenhouse production, sustainability, and college and career readiness. The course covers veterinary science with an emphasis on lab, surgical, and clinical practices. Proper use of veterinary medicine and calculations as well as anatomy of small and large animals. Participation in FFA is mandatory and is part of the state required curriculum. **Students that complete Agriscience 4 will earn a science credit that is accepted by Arizona Universities.**

## Auto Technology 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	9310

This course provides students with a foundation of automotive theory to progress into more advanced sections of auto such as in Auto 2 and Auto 3. This course begins with safety in the shop environment and careers in the industry then progresses into a basic understanding of the complete automobile. Content includes maintenance, tools, fasteners, tires, brakes, alignment, steering, suspension, basic electricity and engines. This course is a prerequisite for Auto 2. Students in Auto 1 are required to actively participate in our Auto Club/Skills USA at MUHS.

## Auto Technology 2

Grades	Credits	Prerequisites	Course #
10-12	1	9310 – Auto Technology 1	9320

After gaining a strong foundation for the automobile in Auto 1, students will have the opportunity to apply their knowledge and understanding of the operation and repair of steering, suspension, brakes and alignment. This course is a prerequisite for Auto 3. Passing Auto 1 with C's or better in both semesters is a prerequisite for Auto 2. Students in Auto 2 are required to actively participate in our Auto Club/Skills USA at MUHS.

## Auto Technology 3

Grades	Credits	Prerequisites	Course #
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11-12	1	9320 – Auto Technology 2	9330
<p>In Auto 3, students use their skills acquired in previous courses to understand advanced technology used in modern automobiles. Students who are in Auto 3 are provided the opportunity to attend competitions to test their skill in automotive knowledge and leadership. Instruction includes engine rebuilding and repair, electrical systems diagnostics. Students who successfully pass all their courses are considered completers in automotive technology. Passing Auto 2 with C's or better in both semesters is a prerequisite for Auto 3. Students in Auto 3 are required to actively participate in our Auto Club/Skills USA at MUHS.</p>			

## Business Management

Grades	Credits	Prerequisites	Course #
9-12	1	None	9100
<p>The Business Management instructional program prepares students to plan, organize, direct, and control the functions and processes of a firm or organization. Students in the introductory class will be exposed to many facets of starting a business. This will include accounting, personal finance, budgeting, ethics, management, marketing and employability skills. Students will also explore career opportunities and learn to apply problem solving and decision-making skills to various business-related situations. Business concepts such as checking accounts, saving, and investing, personal finance is integrated throughout the course in order to help students prepare for the economic role of consumer, worker, and citizen. Students enrolled in the course can join Future Business Leaders of American (FBLA), which is the career and technical student organization associated with the Business Management program. FBLA opportunities include leadership development, field trips, travel, and competition.</p>			

## Advanced Business

Grades	Credits	Prerequisites	Course #
10-12	1	9100 – Business Management	9110
<p>This class will expand upon the knowledge learned in Business Management 1. Students will learn and demonstrate marketing concepts. Students will be able to explain the general management practices in use at the various levels of management within a business, small or large. Students will learn Human Resource Management functions and how health, safety, and ethics play a key role in the productivity of the workplace. Students will learn project management functions and how to formulate a simple business plan. Students will learn additional details on how accounting information is used to provide financial analyses to make informed business decisions. Students will learn about the various forms of credit and what determines a credit history. Students will also learn about the risk and return of short-term and long-term investments. Students enrolled in this course can also participate in FBLA.</p>			

## CADD 1 – Computer Aided Drafting & Design

Grades	Credits	Prerequisites	Course #
9-12	1	None	9410
<p>This course will provide you with an introduction to drafting knowledge and skill. You will learn about the various employment opportunities in the CADD field. Two-dimensional style drawing techniques will be used to create single and multi-view drawings. International mechanical drawing standards are emphasized. AutoCAD 2010 is the software used. This course is required if you want to take CADD 2 or CADD 3. Enrollment in CADD 1 allows for participation in Skills USA.</p>			

## **CADD 2 – Computer Aided Drafting & Design**

<b>Grades</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Course #</b>
10-12	1	9410 – CADD 1	9420

CADD 2 will give you the opportunity to develop three-dimensional drawing skills through the production of full-color solid models and advanced 2-dimensional drawing. These solid objects will then be physically produced with the 3-dimensional printer. Solid Works 2018 solid modeling software is used. Enrollment in CADD 2 allows for participation in Skills USA.

## **CADD 3 – Computer Aided Drafting & Design**

<b>Grades</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Course #</b>
11-12	1	9420 – CADD 2	9430

You will learn advanced applications of computer-aided drafting with special emphasis placed upon Architectural Design. You will design and draw a complete set of house plans. AutoCAD 2011 is the software used. A state end-of-course examination is required.

## **CADD 4 – Computer Aided Drafting & Design**

<b>Grades</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Course #</b>
12	1	9430 – CADD 3	9440

You will learn advanced applications of computer-aided drafting with special emphasis placed upon Advanced Solid Modeling. Solid Works 2010 is the software used. You will further your solid modeling skills through advanced projects with an emphasis on motion and functionality of design. Participation in Skills USA is encouraged. A state end of course examination is required. A national Solid Works certification examination is available upon request. An examination fee is required.

## **Coding 1**

<b>Grades</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Course #</b>
9-12	1	None	9150

This course begins the progression of the Coding in Python sequence, introducing the early fundamentals of coding. It blends detailed technical knowledge with engaging coursework, allowing students free-range creativity without sacrificing academic rigor. The course emphasizes logical thinking and problem-solving, critical thinking, and real-world coding application. Students taking this course will receive the basic tools and building blocks to code not only the assigned programs, but also to design and develop their own unique games and interactive experiences.

## **Coding 2**

<b>Grades</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Course #</b>
10-12	1	9150 – Coding 1	9151

This course builds on the basics learned in Coding 1, rounding out the students' knowledge of computer science coding fundamentals. The course introduces image-based graphics, allowing students to produce the sorts of familiar games and dynamic interactive programs that they are



already enthusiastic about. Emphasis is on code organization and the process of designing larger programs.

## Digital Filmmaking 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	9810

Digital Media/Filmmaking 1 focuses on learning the unique features of digital software, multimedia equipment, and basic video production which includes the production processes, including script writing, planning for a short video shoot, and the use of audio and visual equipment.

## Digital Filmmaking 2

Grades	Credits	Prerequisites	Course #
10-12	1	9810 – Digital Filmmaking 1	9820

Digital Media/Filmmaking 2 will reinforce the skills learned in Digital Media Filmmaking 1 and provide advanced-level instruction for more complex productions/projects, photo editing through the Photoshop software as well as video creation and editing through Final Cut Pro and Adobe Premiere using high tech media equipment.

## Digital Filmmaking 3

Grades	Credits	Prerequisites	Course #
11-12	1	9820 – Digital Filmmaking 2	9830

Digital Media/Filmmaking 3 students will work independently and proficiently in Photoshop and Filmmaking by applying the skills of the principles of design. Students will animate graphics in 2D and 3D under the guidance of the instructor.

## Digital Filmmaking 4

Grades	Credits	Prerequisites	Course #
12	1	9830 – Digital Filmmaking 3	9840

Digital Media/Filmmaking 4 students will demonstrate proficiency in multimedia skills and filmmaking skills independently. The goal is to create professional-level projects in the community, businesses and organizations, short films, and graphic design projects for various competitions.

## Graphic Design 1

Grades	Credits	Prerequisites	Course #
9-11	1	None	9860

Graphic Design is a creative process that combines art and technology to communicate ideas. This course will give students a foundation in Graphic Design by introducing them to the various aspects of the Graphic Design field. Students will work on projects utilizing industry-standard software and hardware in a classroom environment that simulates a real-world design studio. They will be introduced to the basic design principles and processes that must be followed to successfully complete projects that meet specific criteria. Students will also become familiar with production techniques with industry-standard software such as Adobe

Photoshop, Illustrator and InDesign and post production techniques for finishing, mounting and the creation of mock-ups.

## Outdoor Education and Conservation 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	9241

Outdoor Education and Conservation 1 provides students with foundational knowledge, skills, and experiences necessary to safely explore, understand, and conserve natural environments. This course integrates outdoor recreation, conservation principles, safety, navigation, and leadership development. Students will engage in hands-on field experiences, lab activities, and community-based projects while developing professional skills in communication, collaboration, and ethical decision-making. Completion of this course prepares students for industry certifications such as Arizona Game and Fish Hunter Education and facilitates participation in CTSO opportunities like FCCLA.

## Sports Medicine 1

Grades	Credits	Prerequisites	Course #
10-12	1	None	9451

Sports Medicine 1 is recommended for students who are considering going specifically into sports medicine or into any health care or medical-related field. Emphasis will be placed on athletic training and orthopedic medicine. The purpose of this course is to provide students with an anatomical and physiological understanding of the major systems of the human body: skeletal, muscular, respiratory, circulatory systems, anatomical disorders, and exercise physiology. The prevention, cause/effect, treatment, and rehabilitation of athletic injury, standard first aid, athletic training procedure, and CPR will be taught.

## Sports Medicine 2

Grades	Credits	Prerequisites	Course #
11-12	1	9451 – Sports Medicine 1	9452

Sports Medicine 2 is recommended for students who are considering going specifically into sports medicine or into any health care or medical related field. The student must have taken and completed Sports Medicine 1. Emphasis will be placed on expanding the knowledge and skills attained in Sports Medicine 1.

## Sports Medicine Internship

Grades	Credits	Prerequisites	Course #
12	1	9451 – Sports Medicine 1 9452 – Sports Medicine 2 CPR Certification Instructor Approval	9455

This internship opportunity provides students with practical, hands-on experience in the field of sports medicine during treatments, practices, or games for our athletics programs on campus. Students will gain valuable insights into the prevention, evaluation, and treatment of athletic injuries under the guidance of our experienced athletic trainer and other healthcare professionals.

\*\*\*This internship has limited spots available which is subject to an application process if needed\*\*\*

## Stagecraft 1

Grades	Credits	Prerequisites	Course #
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9-12	1	None	6230
This course is an introduction to the behind-the-scenes activities of theatre. Students will learn the fundamental hierarchy, terminology, history, safety, and basic skill sets that make a production happen. This is not an acting class. Content of this course will include scenery construction, scene painting, lighting, sound, and rigging. The curriculum of this class will be geared towards a “hands-on” experience in the production of our main stage shows.			

## Stagecraft 2

Grades	Credits	Prerequisites	Course #
10-12	1	6230 – Stagecraft 1	6231
This course will be geared toward the in-depth study of technical theatre. The students will explore scenery, lighting, costumes, and sound for theatre productions. Advanced construction scene painting and rigging techniques will be introduced and used in our main stage productions. Lighting, sound, and costuming are covered in this course through extensive practical application.			

## Stagecraft 3

Grades	Credits	Prerequisites	Course #
11-12	1	6231 – Stagecraft 2	6233
This course is designed as in-depth training for those that have completed Technical Theatre 1 and 2. Special emphasis will be lighting, sound and scenery. Mechanics will be explored in the curriculum as it pertains to the moving of scenery. Students enrolled in Technical Theatre 3 will take on further responsibilities as it pertains to setting up the smaller shows that occur in the theatre and around campus.			

## Stagecraft 4

Grades	Credits	Prerequisites	Course #
12	1	6233 – Stagecraft 3	6235
This course is designed for students who have successfully completed Stagecraft 1, 2, and 3. The emphasis of this course will be student management of mainstage production in the areas of scenery, lighting, technical direction, and sound. Student technical direction and implementation of an entire production is the desired conclusion of this fourth level class.			

## Welding 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	9510
Students will be introduced to four main welding processes, SMAW, GMAW, FCAW, and GTAW. Students will also learn general shop safety, thermal cutting processes, welding symbols, print reading and measuring. Upon completion of this course, students will be able to perform general entry level structural welding for fabrication and machine shops. Welding 1 students will complete the Skills USA PDP Level 1.			

## Welding 2 (Dual Enrollment)

Grades	Credits	Prerequisites	Course #
10-12	1	9510 – Welding 1	9520
Students will be extending their knowledge of the four main welding processes, SMAW, GMAW, FCAW, and GTAW. Students will also learn general shop safety, thermal cutting processes, welding symbols, print reading, and measuring. Upon completion of this course students will be able to perform general entry level			

structural welding for fabrication and machine shops. Welding 1 students will compete in the SkillsUSA PDP Level 1.

### Welding 3 (Dual Enrollment)

Grades	Credits	Prerequisites	Course #
11-12	1	9520 – Welding 2	9530

Students will improve their skills in the four main welding processes, SMAW, GMAW, FCAW, and GTAW. Students will also learn general shop safety, thermal cutting processes, welding symbols, print reading and measuring. Upon completion of this course, students will be able to perform general entry-level welding for fabrication and machine shops. Welding 3 students will complete the SkillsUSA PDP Level 3. Students can earn the Structural Welding Certificate.

### Welding 4 (Dual Enrollment)

Grades	Credits	Prerequisites	Course #
12	1	9530 – Welding 3	9540

Students will improve their skills in the four main welding processes, SMAW, GMAW, FCAW, and GTAW. Students will also learn general shop safety, thermal cutting processes, welding symbols, print reading and measuring. Upon completion of this course, students will be able to perform general entry level welding for fabrication and machine shops. Welding 4 students will complete the SkillsUSA PDP Level 4. Students can earn the GMAW and GTAW Certificate.

# VACTE Central Campus Career and Technical Education

### Certified Nursing Assistant (Dual Enrollment)

AHS 114 – Nursing Assistant (3 Yavapai College Credits)

AHS 114 – CNA Clinical Internship (3 Yavapai College Credits)

**Students will be able to earn the CNA Completion Certificate which is a prerequisite for the RN program at YC.**

**Only one semester but recommend registering for Phlebotomy so it is a full school year course**

Grades	Credits	Prerequisites	Course #
11-12	1.5	VACTE Application and Approval Accuplacer Test – Reading and Math Proficiency	9050

This course is designed for students interested in the nursing field but also recommended for students considering going into any health or medical related field. This class includes classroom, lab practice and “hands-on” clinical instruction at a local hospital and nursing home. The focus will be on basic nursing assistant skills, resident/patient needs and rights, medical terminology, communication and ethical/legal aspects of care and emergency procedures. Students will also earn a Health Care Provider CPR card. Passing this course qualifies students to take the State Certified Nursing Assistant exam leading to state certification **and will fulfill one of the prerequisite requirements for the Registered Nursing program at Yavapai College.** CNA students meet on site at the Cottonwood Verde Valley Medical Center for training. We highly recommend taking it with the Phlebotomy/Lab Assistant course the opposite semester. Course Times: Monday – Thursday, 7:00am-9:35am or 1:20pm-3:55pm plus approximately 4 Saturdays. Students must provide their own transportation.

## **Phlebotomy& Lab Assistant (Dual Enrollment)**

AHS 100 – Fundamentals of Health Care (3 Yavapai College credits)

AHS 105 – Phlebotomy (2 Yavapai College credits)

AHS 130 – Medical Terminology (3 Yavapai College credits)

**Only one semester but recommend registering for CNA so it is a full school year course.**

<b>Grades</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Course #</b>
11-12	1.5	VACTE Application and Approval Accuplacer Test – Reading and Math Proficiency	9052

This course is designed for students interested in medical laboratory assistant/phlebotomy work and recommended for students considering going into any health or medical related field. Students are prepared to perform clinical procedures in a laboratory setting including performing phlebotomy skills, various laboratory tests, equipment operation and maintenance, sterilization, and safety. Students are concurrently enrolled with Yavapai College and receive 8 college credits leading toward Phlebotomy Technician certification. Highly recommended to take it with the Certified Nursing Assistant course the opposite semester. Classes are held at the Clarkdale Yavapai College campus Times: Monday – Thursday, 7:00am-9:35am or 1:30pm-3:55pm. Students must provide their own transportation.

## **Construction Technology 1 and 2 (Dual Enrollment)**

CBT 100 – Basic Carpentry (8 Yavapai College credits)

CBT 110 – Basic Carpentry II (8 Yavapai College credits)

<b>Grades</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Course #</b>
10-12	3	VACTE Application and Approval	9200

This course will introduce and train students in the basic skills necessary to pursue a career in construction. This course covers foundations, flooring, framing, plumbing, electrical, sheetrock, windows, doors, cabinetry, blueprint reading, use of hand tools, surveying, and construction math. Models to full-sized partitions are constructed in the shop. Projects at actual job sites are included with possible paid internship. Upon completion of this course, students will have the opportunity to earn 16 dual enrolled credits from Yavapai College and a Yavapai College certification in Construction Technology. The student will test for certification in Forklift and Heavy Equipment Operations, OSHA-10, First Aid/CPR/AED certification and Certification by the National Center for Construction Education and Research (NCCER) Core and Level 1 Construction Skills Industry Certification. Courses are held off campus at VACTE in Cottonwood. Course Times: Monday-Thursday, 7am-9:35am or 1:20pm-3:50pm plus approximately 8 Saturdays. Students must provide their own transportation.

## **Construction Technology 3 and 4 (Dual Enrollment)**

CBT 115 – Residential Electrician (3 Yavapai College credits)

CBT 120 – Residential Plumber (5 Yavapai College credits)

<b>Grades</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Course #</b>
10-12	3	9200 - Construction Technology 1 and 2	9201

This course will teach advanced skills necessary to pursue a career in construction. This course covers foundations, flooring, framing, plumbing, electrical, sheet rock, windows, doors, cabinetry, blueprint reading, use of hand tools, surveying, and construction math. Models for full-sized partitions are constructed in the shop. Projects at actual job sites are included. An internship (possibly paid) in construction with a local construction contractor will be made available. Upon completion of this course, students will have the

opportunity to test for certification in Forklift and Heavy Equipment Operations, OSHA-10, First Aid/Adult CPR certification, and Certification by the National Center for Construction Education and Research (NCCER) Level 1 & 2 Construction Skills. The opportunity to earn up to 12 dual enrollment credits from Yavapai College in Electrical and Plumbing. Classes are held off campus at the VACTE campus in Cottonwood. Course Times: Monday– Thursday, 7:00 am -9:35 am or 1:20 pm - 3:50 pm plus approximately 8 Friday or Saturdays. Students must provide their own transportation.

## Cosmetology - Hairstyling 1 and 2 (Dual Enrollment)

500+ Hours and Two Years to Complete the Full Program to be qualified to test for the Arizona State Cosmetology and Barbering State Board Certification

Grades	Credits	Prerequisites	Course #
11-12	3	VACTE Application and Approval  <b>12<sup>th</sup> grade students</b> must commit to coming back for a full year after graduation to complete the program	9200

This course will introduce and train students in the basic to advanced skills necessary to pursue and sit for a state certification from Arizona Board of Cosmetology & Barber 1000-hour Hairstyling Certification. The Cosmetology Program is a two-year program that students will take during their 11<sup>th</sup> and 12<sup>th</sup> grade school years.

Students will be introduced to the physical structure of hair and how it grows. Students will apply the guidelines for proper shampooing, conditioning and rinsing for practical applications. Students will learn the proper procedure and techniques needed to complete successful scalp treatments on a variety of clients and scalp conditions. Students will be introduced to all aspects of cosmetology past and present, including communication, professionalism, safety and sanitation. Students have a brief overview of many different salon services by mannequin demonstration. This class explains the basics of hair design, finger waving, pin curls, and what tools are used to create desired results. Students will then learn practical applications of all the classic techniques & elements of hairstyling. This course will also introduce the basics of haircutting. Students will learn about the tools needed to achieve basic haircuts, as well as how to use each tool. Body position and hand elevation will be stressed during these classes. Students will practice performing these haircuts repeatedly until standards are met.

Students will have the opportunity to explore wigs, hair extensions, braids and weaves. This course will explain how to measure a wig. This course prepares the students for chemical texturizing services for hair. Students will learn the basics of hair relaxing while using mock chemicals and how to prepare the hair to receive chemical processes. Students will apply actual chemicals to process the mannequin hair to see various results. This class teaches the students all the basic hair colors. Students will learn hair color chemistry and

consultation styles. Included in this course is the color wheel and how to use it to produce beautiful hair color results.

Courses are held off campus at the VACTE Cosmetology Building located at 418 N. 15<sup>th</sup> St. in Cottonwood. Course Times: Monday-Thursday, 7:00 am-9:35 am or 1:20 pm-3:50 pm plus approximately 12 Saturdays throughout the year for clinicals. Students must provide their own transportation.

## Cosmetology 3 and 4 (Dual Enrollment)

500+ Hours

Grades	Credits	Prerequisites	Course #
12	3	Successful completion of Cosmetology 1 – 2 with a 79% and at least 500 hours of class instruction and clinicals from previous year	9201

This course reinforces previously taught techniques and expands upon them. Students will advance their haircutting skills to include texturizing, razor cutting and style design. This course will also cover the advanced techniques needed to chemically change the structure of the hair. This course reveals more in-depth color information behind hair color. Students will use their skills from previous courses to consult, recommend and achieve professional color results on all different types of hair. Students will be able to confidently complete all basic cuts as well as add elements of style into a cut to personalize them.

Courses are held off campus at the VACTE Cosmetology Building located at 418 N. 15<sup>th</sup> St. in Cottonwood. Course Times: Monday-Thursday, 7:00am-9:35am or 1:20pm-3:50pm plus approximately 12 Saturdays throughout the year for clinicals. Students must provide their own transportation.

## Education Professions – Teacher Training 1 & 2

EDU 200 – Introduction to Education (3 Yavapai College credits)

EDU 210 – Cultural Diversity in Education (3 Yavapai College credits)

EDU 222 – Intro to Exceptional Learning (3 Yavapai College credits)

EDU 230 – Language & Literacy Experience (3 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
11-12	3	VACTE Application and Approval Accuplacer Test – Reading Proficiency	9211

This course is designed to introduce students to the knowledge and skills necessary to be successful in the exciting world of teaching. Students will explore learning styles, multiple intelligences, stages of development, creative projects, and education of students of all ages. Creation, design, and implementation of lessons will be realized by teaching at various educational institutes of student interest. **Students will be immersed in a teaching experience of the grade levels the student desires during the practicum portion of the course two to three days a week.** Upon completion of the course the student will have the opportunity to earn up to 12 dual enrolled credits from Yavapai College in education which will transfer to the University teacher training programs. The students will have the opportunity to earn Paraprofessional in Education Certification (WorkKeys), Level 1 State Fingerprint Certification, and CPR/First Aid/AED Certification. Classes are held off campus at the VACTE campus in Cottonwood. Course Times: Monday-Thursday, 7am-9:35am. Students must provide their own transportation.

## Education Professions – Teacher Training 3 & 4

11 Yavapai College credits

Grades	Credits	Prerequisites	Course #
12	3	9211 VACTE Application and Approval	9212

This course will continue to grow the students into successful teachers. The students will earn an additional 12 college credits in dual enrollment. The courses will be EDU 240 - Family & Community Partnerships, ECE 234 - Child Development, EDU 180 - Technology in Education, and Arizona and US Constitution. **They will practice teaching and possible paid internship in an educational instruction practicum three days a week.** Students will be immersed in a teaching experience of the grade levels the student desires during the practicum portion of the course. Students can continue at Yavapai College and complete an Associate of Arts in Elementary Education. The students can then transfer to a state university to complete a bachelor's degree in Elementary Education and earn an Arizona State Teaching Certificate. Students have a potential opportunity to enter a program for Teacher Certification that would allow for loan forgiveness with a commitment to 5 years of teaching in Arizona. Course Times: Monday-Thursday, 1:20 pm to 3:45 pm. Students must provide their own transportation.

## Fire Certification Academy 1 & 2

FSC 104 – Hazardous Materials (3 Yavapai College credits)

FSC 105 – Firefighter Certification Academy (12 Yavapai College credits)

FSC 155 – Basic Wildland Firefighting (3 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
12	3	VACTE Application and Approval	9920

Students will be introduced to the essentials of firefighting including fire department operations, firefighting equipment, and safety with an emphasis on the chemistry of fire, techniques of firefighting and utilization of equipment in fire suppression. Upon completion of this course, students will have the opportunity to test for Hazardous Materials Certification, State Fire Fighter I & II Certification, S130 and S190 Forest Service Wildland Certification, IS100 FEMA Incident Command and CPR/First Aid/AED Certification. This course is Dual Enrolled through Yavapai College and will allow students to earn 18 college credits. This course is held off campus at the Verde Valley Fire Center in Cottonwood. Course Times: Monday-Thursday, 7:00 am – 9:35 am plus approximately 8 Saturdays. Students must provide their own transportation.

## HVAC I – Heating Ventilation Air Conditioning

HVA 100 – Intro to HVAC I (3 Yavapai College credits)

HVA 111 – Basic Electricity for HVAC (3 Yavapai College credits)

HVA 110 – Intro to HVAC II (3 Yavapai College credits)

HVA 225 – Heating Tech 1 (3 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
11-12	3	VACTE Application and Approval	9650



This course prepares students for a career with basic skills necessary in Heating ventilation Air Condition (HVAC). This course covers Introduction to HVAC, Basic Electricity for HVAC Technicians, EPA Refrigerant technology, HVAC circuits and motors, Heating and HVAC troubleshooting. Students will work on industry standard HVAC equipment and learn how to maintenance and install HVAC units. Upon completion of this course, students will have the opportunity to earn 24 college credits from Yavapai College and a Yavapai College certification in HVAC Installation & Maintenance Technician Certificate. The student will test for certification EPA Refrigerant Certification and OSHA-10. Courses are held off campus at Yavapai College-Clarkdale Campus in the Skilled trade Center. This is a Tow Year Program to complete the certificate for YC. Course Times: Tuesday-Thursday from 1:30pm-3:45pm plus online work throughout the week. Students must provide their own transportation.

## Law Enforcement and Dispatch 1 & 2

AJS 260 – Procedural Criminal Law (3 Yavapai College credits)

AJS 290 – Constitutional Law (3 Yavapai College credits)

AJS 170 – Forensic Science (3 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
11-12	3	VACTE Application and Approval	9650

This course will introduce and train students in the basic to advanced skills necessary to pursue a career in Law Enforcement and Emergency Telecommunications. This course covers instruction and hands-on practice in law enforcement history and theory, operational command leadership, proper weapon techniques and skills, forensics science, investigation/detective skills, administration of public police organizations, labor relations, incident response strategies, legal and regulatory responsibilities, prison guard skills and dispatch skills in police and emergency management services. Practice on real life situations related to dispatch and law related situations with computer generated simulations. Upon completion of this course, students will have the opportunity to test for certification in APCO-Public Safety Telecommunication Dispatcher and Arizona Dept. of Public Safety-Security Guard Certification. Students will have the opportunity to earn 12 credits towards the Yavapai College criminal justice AA degree. Classes are held off campus at the VACTE campus in Cottonwood. Course Times: Course Times: Monday-Thursday, 7am – 9:35am and possible 1:20 pm – 3:45 pm. Students must provide their own transportation.

## Law Enforcement and Dispatch 3 & 4

AJS 230 – The Police Function (3 Yavapai College credits)

AJS 200 – Current Issues in Criminal Justice (3 Yavapai College credits)

AJS 270 – Community Relations (3 Yavapai College credits)			
Grades	Credits	Prerequisites	Course #
12	3	VACTE Application and Approval 9650 – Law Enforcement and Dispatch 1 & 2	9651
<p>This course will add to the foundation of Law Enforcement provided in Law Enforcement 1 &amp; 2. <b>Students will participate in ride along with police officers in the Verde Valley and internships with dispatch.</b> Also, they will be able to train and observe in a 911 call center. Practice on real life situations related to dispatch and law related situations with computer generated simulations in arrest and shooting practice skills. Upon completion of this course, students will have the opportunity to test for certification in APCO-Public Safety Telecommunication Dispatcher and Arizona Dept. of Public Safety-Security Guard Certification. Students will have the opportunity to earn 12 additional credits towards the Yavapai College criminal justice AA degree. The classes are held off campus at the VACTE campus in Cottonwood. Course Times: Monday-Thursday, 7am – 9:35am and possible 1:20 pm – 3:45 pm. Students must provide their own transportation.</p>			

# Electives

AP Computer Principles			
Grades	Credits	Prerequisites	Course #
10-12	1	None	9621
<p>AP Computer Science Principles is a complete, full-year course that focuses on the 5 “Big Ideas” in computer science using project-based approaches. The course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity, and how computing impacts our world. Students will develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving. Using project-based lessons and materials throughout, students will work to address real-world problems and design solutions to put computational thinking into practice. These culminate in a capstone Performance Task project where students can demonstrate what they've learned - to become creators, instead of merely consumers, of the technology all around them. This course will prepare students for the end-of-course AP Exam.</p>			

AP Computer Science			
Grades	Credits	Prerequisites	Course #
10-12	1	None	9620
<p>Students will learn to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering. AP Computer Science A teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem solving and algorithm development and use hands-on experiences and</p>			

examples so that students can apply programming tools and solve complex problems. Pre-requisite: Algebra I; Algebra II is recommended. This course will prepare students for the end-of-course AP Exam.

## AP Psychology

Grades	Credits	Prerequisites	Course #
11-12	1	2020 – English 10 with a C or higher 2025 – Honors English 10 with a C or higher	4070

Students develop understanding of the theoretical underpinnings of psychology, psychological theories, research strategies, brain and nervous system function, the role of personality in behavior, psychological disorders and the range of available treatments. In addition, students understand current laws and ethics regarding research and the field of mental health.

## AVID – Advancement Via Individual Determination

Grades	Credits	Prerequisites	Course #
9-12	1	Application and Instructor Approval	9 <sup>th</sup> – 0160 10 <sup>th</sup> – 0161 11 <sup>th</sup> – 0162 12 <sup>th</sup> – 0163

The AVID (Advancement Via Individual Determination) course is an elective class for students who are college and career bound. The AVID curriculum focuses on writing, inquiry, collaboration, reading and organization (WICOR) through the AVID High School Curriculum in both teacher and tutor-led activities. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. Note-taking, outlining, writing, speaking, reading, test-taking strategies and self-awareness are stressed. In addition, the course includes college motivational activities and preparation for ACT, SAT and AP courses.

## AVID Academic Tutor

Grades	Credits	Prerequisites	Course #
10-12	1	Instructor Approval	0116

AVID Tutors work with small groups of 9-11th grade peers during tutorial lessons in the AVID elective class. Peer tutors are trained in AVID strategies to help strengthen their peers' understanding of information across all classes. Peer tutors receive a letter grade and are eligible for most AVID field trips.

## Internship

Grades	Credits	Prerequisites	Course #
12	1	Application and Instructor Approval	0325

The mission of the MUHS Internship Program is simple...College and Career Ready Students! This program is designed to give students real world experience in various career fields. We are looking for internships that allow students to see beyond entry level positions and experience the higher-level inner workings of a business, school or community municipality. Our goal is to motivate students to continue with post-secondary education and perhaps return to our community as a prepared and educated workforce.

## Leadership (Student Council)

Grades	Credits	Prerequisites	Course #
9-12	1	Application and Instructor Approval	0400

Leadership class is designed to prepare students to become school and community leaders.

- Student Council elected officers required to be in the class (Student Body President, Senior Class President, Senior Class VP, Junior Class Pres., Junior Class VP, Spirit Leader, Secretary/Treasurer)
- Application required for those wanting to be class representatives (current 9<sup>th</sup> – 11<sup>th</sup> graders)

- Application required for 8<sup>th</sup> graders wishing to join in their 9<sup>th</sup> grade year.
  - Current high school students wishing to run for student council office need a minimum 1 year of Leadership experience (either in the Leadership class or in another club/organization)
- Please see Mrs. Lyons for information regarding running for Student Council Officer positions

## Peer Tutor

Grades	Credits	Prerequisites	Course #
11-12	1	Application	0115

Students who serve as peer tutors are accountable to assigned teacher or staff member for a specific period of the day.

Positions include Special Education Peer Tutor or EL Peer Tutor (Spanish speaking proficiency required)

## Student Aide

Grades	Credits	Prerequisites	Course #
12	1	Application	0100

Positions include Teacher Aide, Front Office Aide, Bookstore Aide, Special Services Peer Tutor, School Counseling Aide, and Library Aide

Students who serve as aides are accountable to the assigned teacher or staff member for a specific period of the day. Clerical skills are desirable. A maximum of 1 credit can be earned for graduation in the aide positions.

## Work Experience

Grades	Credits	Prerequisites	Course #
11-12	1	Local employment	0320

This course focuses on the development of workplace skills. As a pre-requisite to enrolling in the Work Experience class, students must seek out and find their own job. These jobs must be paid positions for established local employers. Students must work 5 hours per week. A signed training agreement and student worker agreement must be completed. In addition to working a minimum of 180 hours, students must complete a 1-week training course at the beginning of the year, assignments throughout the year and turn in all time sheets.

## Yearbook

Grades	Credits	Prerequisites	Course #
10-12	1	Instructor Approval	9610

Yearbook is a demanding, full year, elective course that may be repeated for credit. Over the course of the year, the yearbook staff is responsible for the production of the entire MUHS yearbook. Students handle all phases of the yearbook publication except printing. Much of the work can be completed during school in the computer lab, but some must be done after school or at home. Students must commit to photo assignments of school activities such as sports, plays and other extracurricular events. Students must be committed to meeting deadlines, learning computer publication layout and writing a large number of headlines, body copy and captions. Strong writing skills are required for success in this course.

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