

High School

WEATHERFORD ISD

**ACADEMIC  
PLANNING  
GUIDE**



**2025-2026**

School Year

**WEATHERFORD ISD PUBLIC NOTIFICATION OF NONDISCRIMINATION  
IN CAREER AND TECHNOLOGY (VOCATIONAL) EDUCATION PROGRAMS**

It is the policy of the Weatherford ISD not to discriminate on the basis of race, color, national origin, sex, or handicap in its career & technology (vocational) education programs, services, or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Weatherford ISD offers Career and Technology Education programs in: Agriculture, Food & Natural Resources; Architecture & Construction/ Engineering; Arts, an Technology & Communication; Business, Management & Administration; Education & Training; Finance; Health Science; Human Services; Information Technology; Law, Public Safety, Corrections & Security; Marketing, Sales and Service; Science, Technology, Engineering & Mathematics and Transportation, Distribution and Logistics. Admission to these programs is based on interest, aptitude, age appropriateness, and class space available.

Weatherford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups.

Weatherford ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact Ron Holmgreen, Executive Director of Student Services of WISD, at 1100 Longhorn Dr., Weatherford TX 76086, 817-598-2800, rhomgreen@weatherfordisd.com.

**NOTIFICACIÓN PÚBLICA DEL DISTRITO ESCOLAR DE WEATHERFORD DE NO DISCRIMINACIÓN EN SUS  
PROGRAMAS  
EDUCATIVOS VOCACIONALES EN CARRERA Y TECNOLOGÍA**

Es política del distrito escolar de Weatherford no discriminar por motivos de raza, color, origen nacional, sexo o discapacidad, en los programas, servicios o actividades vocacionales, tal como lo requiere el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educación, de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

El distrito escolar de Weatherford ofrece programas vocacionales en Agricultura; Alimentos & Recursos Naturales; Arquitectura & Construcción/ Ingeniería; Artes, Tecnología AN & Comunicación; Negocios; Gerencia & Administración; Educación & Entrenamiento; Finanzas; Ciencias de la Salud; Servicios Humanos; Tecnología de la Información; Leyes, Seguridad Pública, Correccionales & Seguridad; Mercadeo, Ventas y Servicios; Ciencias; Tecnología, Ingeniería & Matemáticas; Transporte, Distribución y Logística. La admisión a estos programas se basa en interés y aptitud, edad apropiada, y espacio disponible en la clase.

Weatherford ISD no discrimina por motivos de raza, color, origen nacional, sexo, o discapacidad en sus programas o actividades y brinda igualdad de acceso a los Boy Scouts y otros grupos juveniles designados.

El distrito escolar de Weatherford tomará las medidas necesarias para asegurar que la falta de habilidad en el uso del idioma inglés no sea un obstáculo para la admisión y participación en todos los programas educativos y vocacionales.

Para más información sobre sus derechos o procedimientos para quejas, comuníquese, Ron Holmgreen, Executive Director of Student Services of WISD, at 1100 Longhorn Dr., Weatherford TX 76086, 817-598-2800, rhomgreen@weatherfordisd.com.

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## PLANNING YOUR HIGH SCHOOL PROGRAM

The purpose of this guide is to assist students as they plan their academic future. A variety of counseling services are offered at all schools. Counselors work with students, parents and teachers to select appropriate courses for graduation and provide student services throughout the year. Catalogs, handbooks and internet sources are available to students seeking post-secondary educational opportunities. These opportunities include two and four year colleges and universities, technical schools and the U.S. Armed Forces. Financial aid resources and workshops are also available.

For more information, please contact the appropriate school counseling center:

**Weatherford Ninth Grade Center**

**817-598-2847**

**Weatherford High School**

**817-598-2858**

### *College and Career Ready: Quick Tips*

- ❖ Start Early!
- ❖ Build academic skills through challenging courses.
- ❖ Stay in touch with your school counselor.
- ❖ Team up with family, teachers, counselors, and mentors for advice and support!
- ❖ Read the Four-Year College and Career Readiness Plan in this guide.
- ❖ Ask lots of questions.
- ❖ Explore your interests through:
  - interest inventories
  - endorsement pathways
  - job shadowing
  - talking to adults about their jobs

## 9<sup>th</sup> GRADE CHECKLIST

At this stage in the game, you're laying the foundation for your high school career. Freshman year is a time to establish your academic and extracurricular credentials. You should also begin to explore options for your career or further education.

### FALL

**Meet your counselor**

Your counselor is ready and willing to help you make sense of your college and career options. As soon as you can, set up a meeting to talk about your plans for high school and the future.

**Get involved**

Extracurricular activities (both school and non-school sponsored) are an important part of high school. Make the effort to get involved with groups, clubs, or teams that interest you. These activities are fun and make you a well-rounded student. A complete list of clubs and organizations can be found on the school websites.

**Make the grade**

Get off to a good start with your grades because they will impact your GPA and class rank. Although college seems like a long way off right now, grades really do count toward college admission and scholarships.

### WINTER

**Explore your interests and possible careers**

Discuss your skills and interests with your school counselor and take advantage of numerous CTE opportunities at your school.

### SPRING/SUMMER

**Build your credentials**

Keep track of academic and extracurricular awards, community service achievements, and anything else you participate in, so it'll be easier to remember later. It'll come in handy when you want to highlight your accomplishments—such as when you're filling out college applications or creating a resume.

**Start learning about colleges and careers**

Look at the college and career information available in your counselor's office, school, and public libraries. Use the internet to check out college and career websites. Use a college search site such as <http://bigfuture.collegeboard.org/> to view college profiles. You may even want to start a list of colleges that might interest you.

**Make summer count**

There are plenty of ways to have fun and build your credentials during the summer, such as volunteering, getting a job, or signing up for an enrichment program.

## 10<sup>th</sup> GRADE CHECKLIST

Sophomore year, you'll want to stay on track with your high school classes and activities and begin to narrow down the plan for your future.

### FALL

**Sign up and take PSAT**

Taking the PSAT as a sophomore will help prepare you for the real thing next year. Weatherford ISD offers the PSAT to all 10th graders.

**Sign up and take ASVAB**

The ASVAB is used to identify a person's strengths and aptitude in areas like math, verbal, science, and technical skills. It can help determine which careers a person may be a good fit for. Weatherford ISD offers the ASVAB to all 10th - 12th graders. Sign up through the CTE Department.

**Stay on track with your courses**

Work with your school counselor to make sure you are enrolled in the courses you need to prepare you for college or a career.

**Begin learning about the college admissions process**

Get familiar with general college entrance requirements. The school counselor's office, the library, college websites, and advice articles are all good sources of information.

**Continue exploring potential careers**

Explore your career options in more detail—research possible careers to learn about the tasks, education, and training necessary for each occupation. <https://bigfuture.collegeboard.org/>

### WINTER

**Take on new roles**

Stay involved with your extracurricular activities and work toward leadership positions in the activities you like best. Become involved in community service and other volunteer activities.

**Read, read, read**

Developing your reading skills will help prepare you for tests and make you a well-rounded individual. Read as many books as you can including articles on current events.

**Practice your writing**

You'll need good writing skills no matter what path you pursue, so work on those skills now to get prepared. Find a teacher or another adult who can advise and encourage you to write well.

**Get advice from your counselor**

Meet with your school counselor to make sure you're staying on track. You can also discuss your PSAT scores and ask about postsecondary enrollment options and Advanced Placement (AP) courses.

**TSIA2 Test**

If you are planning to take Dual Credit courses your junior year, register for and take the TSI 2 Test. <https://www.wc.edu/admissions/testing-center/tests#TSIA2>

### SPRING/SUMMER

**Keep your grades up**

It is important to remain focused on doing well in your classes. Remember that your grades affect your GPA and class rank—two factors that colleges consider in the admissions process.

**Start your college search**

Use college search tools to decide what factors are important to you and see a list of colleges that matches your criteria. Attend college fairs and read the material you get from all types of schools—you may see something you like.

**Contact colleges that interest you**

Write to schools and ask for more information about their academic requirements and any programs or activities that you're interested in. It's especially important to start this process now if you think you want to attend a military academy.

**Get a summer job**

Finding steady summer work will look good to prospective colleges and employers. Putting the money you earn away for college will also help you get a head start on a personal savings plan.

## 11<sup>TH</sup> GRADE CHECKLIST

Junior year is a key year in the college planning process because you will be taking standardized tests, narrowing down your college list, and learning more about financial aid. In addition, you will need to stay involved in your high school courses and activities.

### FALL

**Stay on track with your classes and grades**

Meet with your counselor to see what you still need to take. Check on your class rank and your GPA. Even if your grades haven't been that good so far, it's never too late to improve. Colleges like to see an upward trend.

**Take the PSAT**

Taking the test qualifies you for the National Merit Scholarship program, which means you could earn money for college. In addition, it is a good way to practice for the SAT. Students in the 11th grade take the PSAT/NMSQT. The PSAT/NMSQT is the National Merit Scholarship Qualifying Test. Students earning a qualifying score on the exam may be eligible to participate in the scholarship program.

**Sign up and take the ASVAB**

The ASVAB is used to identify a person's strengths and aptitude in areas like math, verbal, science, and technical skills. It can help determine which careers a person may be a good fit for. Weatherford ISD offers the ASVAB to all 10th - 12th graders. Sign up through the CTE Department.

**Evaluate your education options**

Now is the time to follow a more specific path. Decide whether you want to pursue full-time employment, further education or training (such as a vocational-technical school, career college, or two-year or four-year college), or a military career. If you're interested in attending a military academy, talk to your school counselor about starting the application process now.

**Register for and take the ACT**

As a junior, take the ACT for a baseline score in the Fall. ACT scores can qualify you for admission and scholarships to colleges. WHS will offer a school day test option to all juniors and seniors.

**Make a college list**

Your list of colleges should include schools that meet your most important criteria (for example, size, location, cost, academic majors, or special programs). Weigh each of the factors according to their importance to you and develop a preliminary ranking of the schools on your list.

**Continue gathering college information**

Attend the Weatherford ISD college fair and speak with college and career representatives. Use an online college finder and search top college lists. You may be able to narrow your choices or add a school to your list.

**Make sure you are meeting any special requirements**

If you want to play Division I or II sports in college, start the certification process and check with your counselor to make sure you're taking a core curriculum that meets NCAA requirements.  
<https://web3.ncaa.org/ecwr3/>

### WINTER

**Stay involved with extracurricular activities**

Colleges look for consistency and depth in the non-academic activities you pursue. Taking on leadership roles and making a commitment to the same groups are more important than trying out tons of new activities each year.

**Begin narrowing down your college choices**

Make sure you have all the information you need about the colleges you're interested in (entrance requirements, tuition, room and board costs, course offerings, student activities, financial aid, etc.). Then begin comparing the schools by the factors that are most important to you and rank your choices.

**Take standardized tests**

Register for and take the TSIA2, ACT, SAT, or SAT Subject Tests as necessary.

TSIA2 – <https://www.wc.edu/admissions/testing-center/tests#TSIA2>

ACT – <https://www.act.org/content/act/en/products-and-services/the-act/registration.html>

SAT – <https://collegereadiness.collegeboard.org/sat/register>

Be sure you have requested (either by mail or online) that your test scores be sent to the colleges of your choice.

**Prepare a challenging schedule for senior year**

Meet with your counselor to determine what classes you'll take next year and to make sure you're on track for graduation. When you pick your classes, don't load up on easy electives. Colleges do consider your senior year courses and grades, so stick with a schedule that challenges you.

**SPRING**

**Take the SAT**

Weatherford ISD administers the school day SAT to all students in the 11<sup>th</sup> grade.

**Apply for a summer job or internship**

Summer employment and internships in fields you are interested in will look appealing on a college application or resume. The money you earn can also be used to help pay application and testing fees in the fall.

**Set up appointments at your top college choices**

You'll often have to plan ahead when visiting colleges. Call the admissions office to set up a personal interview, tour, and a meeting with a professor or coach if you're interested. You can also ask them to send you an application.

**SUMMER**

**Visit colleges**

Visit the campuses of your top five college choices. Take a tour and speak with the admissions and financial aid staff. You may also be able to talk to students if some classes are in session. If you have an interview, be sure to send a thank-you letter to the interviewer once you return home.

**Get advice from other college students**

If you have friends or relatives in college, talk to them about what college life is like, especially if they attend a school you're interested in. Although it's important to hear what the admissions staff has to say about a school, it's also important to get the students' perspective.

**Start working on your application essays**

Compose rough drafts of the essays you'll need for your college applications. Have a teacher read and discuss them with you so you can see what to work on. Make any revisions to your application essays and prepare final drafts. Don't forget to proofread your final essays a few times.

**Make early decision preparations**

If you plan to apply early decision to any school, take the time to visit the school again and make sure you're willing to commit. If you elect to apply early decision, you should start working on your application as soon as possible because its deadline will be earlier than others.



## 12<sup>TH</sup> GRADE CHECKLIST

Be sure to stay on track with the college admissions process. Get organized, be aware of deadlines, and do not procrastinate.

### FALL

- Continue to visit schools**  
Fall is a great time to look at the schools on your college lists because classes are in session and you are better able to meet and talk with students and professors. You may even be able to sit in on a class or two.
- Finalize your college list**  
Use the information you've gathered from college visits, interviews, and your own research to decide which schools you will apply to. It is okay to apply to colleges that you think will be more difficult to get into. But it's also important to put a few safety schools (where you are sure you will get in) on your list. Talk to counselors, teachers, and parents about your final choices.
- Stay on track with your grades and extracurricular activities**  
Colleges will look at what you've done in your senior year, so stay focused on doing well in your classes and maintaining a commitment to extracurricular activities.
- Take standardized tests**  
Register for and take the ACT, SAT, or SAT Subject Tests as necessary.  
ACT - <https://www.act.org/content/act/en/products-and-services/the-act/registration.html>  
SAT - <https://collegereadiness.collegeboard.org/sat/register>  
Be sure you have requested (either by mail or online) that your test scores be sent to the colleges of your choice.
- Sign up and take ASVAB**  
The ASVAB is used to identify a person's strengths and aptitude in areas like math, verbal, science, and technical skills. It can help determine which careers a person may be a good fit for. Weatherford ISD offers the ASVAB to all 10th - 12th graders. Sign up through the CTE Department
- Keep track of deadlines**  
You will be filling out lots of forms this year, so it is important to know what form is due when. Make a calendar showing the application deadlines for admission, financial aid, and scholarships.
- Ask for letters of recommendation**  
REQUEST LETTERS EARLY. Give letter of recommendation forms to the teachers you have chosen, along with stamped, addressed envelopes so your teachers can send them directly to the colleges. Be sure to fill out your name and address and the school name on each form. Discuss your goals and ambitions with your teachers so they will be more prepared to write about you.
- Meet with your counselor**  
Your counselor can help you stay on track with admissions requirements. Make sure they know which colleges you want transcripts, score reports, and letters sent to. Give your counselors any necessary forms much earlier than the actual deadlines so they'll have time to send the forms in.
- Complete applications**  
Finish the application forms for the schools you are interested in. Proofread them and make extra copies before you send them. Make sure you and your school's counseling office have sent all necessary materials, including test scores, recommendations, transcripts, and application essays. You should plan to get all this done before winter break, so you won't be rushing to make deadlines.
- FAFSA**  
Submit Financial Aid Forms (Required). Starting with the class of 2021, submitting the FAFSA (Free application for Federal Student Aid) is required for students attending any kind of training or schooling after graduation from High School. Submitting the form is free and the counseling center has resources to support families in this task. The FAFSA opens in the fall. The priority deadline for the FAFSA in Texas is March 1st. Financial aid is first come, first serve. <https://studentaid.ed.gov/sa/>

### WINTER

- Scholarship search**  
Apply for scholarships whose deadlines are approaching and keep searching for more scholarship and grant opportunities. Using online scholarship search tools is a great way to find potential aid. <https://www.fastweb.com/> Ask colleges about what scholarships you may qualify for. Weatherford ISD local scholarship applications will be available in January each year.
- Send mid-year grade reports**  
Ask your counselor to send your mid-year grade reports to the colleges that you applied to. Remember that the schools will continue to keep track of your grades, so it's important to keep working hard throughout your senior year.

**SPRING**

**Watch your mail and email for notification from colleges**

If you applied under the regular application process, you should receive an admissions decision by March or April. Notifications of financial aid awards should arrive by the end of April.

**Compare financial aid packages**

Make sure to consider each financial aid award carefully. If you have questions, don't hesitate to contact the financial aid office of the college to get more information. Financial aid is a key factor in deciding where you will attend.

**Prepare for any last standardized tests**

You may be taking AP exams to earn some college credit as the school year winds down. A score of 3 or higher may earn college credit so be sure to do your best on the exam. Scores should be sent directly to the college of your choice for them to evaluate for credit.

**Make your final college and career decisions**

Notify all schools of your intent by May 1. If you are not sure which offer to accept, make one more campus visit to the schools you are considering. Make sure to send your deposit to your chosen school and ask your school counselor to send your final transcript to the college in June.

## GRADUATION PLAN

*The goal of Weatherford ISD is that all students will graduate on the Foundation + Endorsement Distinguished Level of Achievement graduation plan and that all students will be college and career ready.*

	<b>Foundation with Endorsement(s) Or Distinguished Achievement</b>	<b>Foundation HS Program</b> <i>(student may only be considered at the conclusion of the 11<sup>th</sup> grade year)</i>
<b>English Language Arts</b>	<b>4 Credits</b> English I English II English III Advanced English course	<b>4 Credits</b> English I English II English III Advanced English course
<b>Mathematics</b>	<b>4 Credits</b> Algebra I Geometry Algebra II An advanced Math Course	<b>3 Credits</b> Algebra I Geometry An advanced math course
<b>Science</b>	<b>4 Credits</b> Biology IPC Two additional advanced science courses (Chemistry and/or Physics required for some endorsements.)	<b>3 Credits</b> Biology IPC One additional advanced science course
<b>Social Studies</b>	<b>3 Credits</b> World Geography and/or World History US History Government/Economics <i>(A 4<sup>th</sup> social studies is required for some endorsements)</i>	<b>3 Credits</b> World Geography and/or World History US History Government/Economics
<b>Physical Education</b>	<b>1 Credit</b>	<b>1 Credit</b>
<b>Languages Other Than English (LOTE)</b>	<b>2 Credits from the same language</b>	<b>2 Credits from the same language</b>
<b>Fine Arts</b>	<b>1 Credit</b>	<b>1 Credit</b>
<b>Electives</b>	<b>6-7 Credits</b> <i>(Includes the credit requirements of the student's declared endorsement)</i>	<b>5 Elective Credits</b>
<b>Total Credits</b>	<b>26</b>	<b>22</b>

*\*To earn an endorsement a student must earn 26 credits including a 4<sup>th</sup> credit in Math and a 4<sup>th</sup> credit in Science.*

## ENDORSEMENT AREAS

**Endorsements:** All incoming 9th graders must select an endorsement based on their career interests and goals to complete the required credits for graduation. An endorsement is an in-depth study (4 or more credits) in an area of interest for the student.

**The five endorsements to choose from are:**

STEM	<p>Includes courses directly related to:</p> <ul style="list-style-type: none"> <li>● Science, including environmental science</li> <li>● Technology, including computer science</li> <li>● Engineering</li> <li>● Math</li> </ul>	<p>Must complete Algebra II, Chemistry, Physics, and one of the following:</p> <ol style="list-style-type: none"> <li>1. A coherent sequence of courses for 4 or more credits in CTE. The final course in the sequence must be selected from the STEM career cluster.</li> <li>2. A coherent sequence of four credits in selected Computer Science courses.</li> <li>3. A total of 5 credits in Math by successfully completing Algebra I, Geometry, Algebra II and 2 additional Math courses for which Algebra II is a prerequisite.</li> <li>4. A total of 5 credits in science by successfully completing biology, chemistry, Physics, and 2 additional Science courses.</li> <li>5. In addition to Algebra II, Chemistry, and Physics, a coherent sequence of 3 additional credits from no more than two of the three areas listed in 1, 2, 3, and 4.</li> </ol>
BUSINESS & INDUSTRY	<p>Includes courses directly related to:</p> <ul style="list-style-type: none"> <li>● Animal Science</li> <li>● Plant Science</li> <li>● Applied Agriculture Engineering</li> <li>● Architecture &amp; Construction</li> <li>● Electrical</li> <li>● Plumbing &amp; Pipefitting</li> <li>● Construction</li> <li>● Design &amp; Multimedia Arts</li> <li>● Digital Communications</li> <li>● Marketing &amp; Sales</li> <li>● Business Management</li> <li>● Accounting &amp; Financial Services</li> <li>● Entrepreneurship</li> <li>● Culinary Arts</li> <li>● Program &amp; Software Development</li> <li>● Welding</li> <li>● Cybersecurity</li> <li>● Automotive</li> </ul>	<p>Must complete one of the following:</p> <ol style="list-style-type: none"> <li>1. Coherent sequence of courses for 3 or more courses in CTE with 1 course being a level III or higher.</li> <li>2. Four English elective credits by selecting three levels in one of the following areas: <ul style="list-style-type: none"> <li>● Journalism</li> <li>● Newspaper</li> <li>● Yearbook</li> <li>● Debate</li> </ul> </li> </ol>
PUBLIC SERVICE	<p>Includes courses directly related to:</p> <ul style="list-style-type: none"> <li>● Education and Training</li> <li>● Healthcare Therapeutic</li> <li>● Family &amp; Community Services</li> <li>● Cosmetology</li> <li>● Law Enforcement</li> <li>● Emergency Services</li> </ul>	<p>Must complete the following:</p> <ol style="list-style-type: none"> <li>1. Coherent sequence of 3 or more courses for 4 or more credits in CTE with 1 course being a level III or higher.</li> </ol>
ARTS & HUMANITIES	<p>Includes courses directly related to:</p> <ul style="list-style-type: none"> <li>● Cultural studies</li> <li>● English Literature</li> <li>● Fine arts</li> <li>● History</li> <li>● Political science</li> <li>● World languages</li> </ul>	<p>Must complete one of the following:</p> <ol style="list-style-type: none"> <li>2. Total of 5 social studies credits</li> <li>3. Four levels of the same language in language other than English (LOTE)</li> <li>4. American Sign Language (ASL) (4 levels)</li> <li>5. Courses from one or two categories (art, dance, music, and theater) in fine arts (4 credits in a coherent sequence)</li> <li>6. Four English elective credits by selecting from the following: <ul style="list-style-type: none"> <li>● AP English Literature &amp; Composition</li> <li>● Creative Writing</li> <li>● English IV</li> <li>● IB Lang Studies A1 Higher Level</li> <li>● Independent Study in English</li> <li>● Literary Genres</li> <li>● Research and Technical Writing</li> <li>● Communication Applications</li> </ul> </li> </ol>
MULTIDISCIPLINARY	<p>Allows a student to select courses from the curriculum of each endorsement area and earn credits in a variety of advanced courses from multiple content areas sufficient to complete the distinguished level of achievement</p>	<p>Must complete one of the following:</p> <ol style="list-style-type: none"> <li>1. Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education w/o remediation from w/in one endorsement area or among endorsement areas that are not in a coherent sequence.</li> <li>2. Four credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics.</li> <li>3. Four credits in advanced placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts</li> </ol>

## GRADE POINT SYSTEM

*Beginning with the class of 2021 and forward*

Numerical Grade	AP, Honors, Dual Credit	State
100	5.0	4.0
99	4.9	3.9
98	4.8	3.8
97	4.7	3.7
96	4.6	3.6
95	4.5	3.5
94	4.4	3.4
93	4.3	3.3
92	4.2	3.2
91	4.1	3.1
90	4.0	3.0
89	3.9	2.9
88	3.8	2.8
87	3.7	2.7
86	3.6	2.6
85	3.5	2.5
84	3.4	2.4
83	3.3	2.3
82	3.2	2.2
81	3.1	2.1
80	3.0	2.0
79	2.9	1.9
78	2.8	1.8
77	2.7	1.7
76	2.6	1.6
75	2.5	1.5
74	2.4	1.4
73	2.3	1.3
72	2.2	1.2
71	2.1	1.1
70	2.0	1.0
69 and below	0	0

**Advanced Placement (AP)/Honors/Dual Credit:** Courses are recognized for their advanced level of curriculum. College Credit can be earned in AP and dual credit courses.

**State-Approved Courses:** Courses that provide a challenging curriculum in a variety of offerings based on state mandated curriculum.

**GPA CALCULATION:** All courses are calculated into the GPA except: local credit courses, courses graded with a P, credits earned by exam. Modified Curriculum courses will not count for GPA.

### CLASSIFICATION OF STUDENTS

Senior privileges will be extended only to those students who are candidates for graduation and have acquired 18 credits prior to the current school year. To be classified as a junior, a student must have at least 12 credits toward graduation; a sophomore must have at least 6 credits toward graduation and a freshman must have been promoted from the 8th grade.

### RANKING OF STUDENTS

Students are ranked for graduation at the end of the fifth six-week grading period of the senior year. The average of the fourth and fifth six-week grades shall be used as the semester grade for this purpose. The District shall include in the calculation of class rank semester grades earned in high school credit courses taken at any grade level, unless excluded. The calculation shall include failing grades until a failing grade is replaced with a passing grade.

In case of a tie in weighted GPAs, the District shall apply the following methods, in this order, to determine recognition as valedictorian and salutatorian:

1. The weighted GPA shall be computed to a sufficient number of decimal places until the tie is broken.
2. If a tie still exists, honors shall be awarded as follows:
  - a. Should a tie develop for valedictorian, co-valedictorians shall be declared and no salutatorian shall be recognized.
  - b. Should a tie develop for salutatorian, all those tying shall be recognized

The valedictorian and salutatorian shall be the eligible students with the highest and second-highest rank, respectively. To be eligible for such recognition, a student must:

1. Have been continuously enrolled in the District high school for the three semesters immediately preceding graduation; and
2. Have completed the foundation program with the distinguished level of achievement.

### EARLY GRADUATION

Students must apply for early graduation no later than 1 semester prior to the year they wish to graduate.

EX: A 10th grader wanting to graduate a full year early must apply in the Spring of their Sophomore year. A Junior wanting to graduate in December of their Senior year must apply in the Spring of their 11th-grade year.

Applicants should obtain credit verification with a counselor to formalize the student's plan for early graduation. This may include students needing to purchase courses during the summer or school year. (Weatherford ISD does not offer Summer School for advancement.) Students may not graduate early without an endorsement with 26 credits, and a CCMR indicator.

Parent and principal approval are required. Students meeting graduation requirements before the scheduled graduation ceremonies may participate in the ceremonies.

The Texas First Early High School Completion Program is for public high school students who want to graduate early and earn a Texas First Diploma. Students can meet with their individual school counselor to see if the student qualifies.

### COLLEGE, CAREER, MILITARY READINESS (CCMR)

In WISD all seniors must obtain one of the following measures of college and career readiness to be granted early release or late arrival. The CCMR component

measures graduates' preparedness for college, the workforce, or the military. Annual graduates can demonstrate college, career, or military readiness in any one of the following ways:

- *Meet Texas Success Initiative (TSI) Criteria in ELA/Reading and Mathematics.* A graduate meeting the TSI college readiness standards in both ELA/reading and mathematics; specifically, meeting the college-ready criteria on the TSIA1 and/or TSIA2 assessment, SAT, ACT, or by successfully completing and earning credit for a college prep course as defined in TEC §28.014, in both ELA and mathematics. College prep course requirements may be refined on a phase-in basis to ensure completion is predictive of college enrollment and persistence consistent with other TSI components and college-ready indicators.
- *Earn Dual Course Credits.* A graduate completing and earning credit for at least three credit hours in ELA or mathematics or at least nine credit hours in any subject.
- *Meet Criteria on Advanced Placement (AP).* A graduate meeting the criterion score on AP examinations at a level that is predictive of college enrollment and persistence consistent with other college ready indicators.
- *Earn an Associate Degree.* A graduate earning an associate degree by August 31 immediately following high school graduation.
- *Complete an OnRampsDual Enrollment Course.* A graduate completing an OnRamps dual enrollment course and qualifying for at least three hours of university or college credit in any subject area.
- *Graduate with Completed Individualized Education Program (IEP) and Workforce Readiness.* A graduate receiving a graduation type code of 04,05, 54, or 55, which indicates the student has completed his/her IEP and has either demonstrated self-employment with self-help skills to maintain employment or has demonstrated mastery of specific employability and self-help skills that do not require public school services.
- *Graduate Under an Advanced Diploma Plan and be Identified as a Current Special Education Student.* A graduate who is identified as receiving special education services during the year of graduation and whose graduation plan type is identified as a Recommended High School Plan (RHSP), Distinguished Achievement Plan (DAP), Foundation High School Plan with an Endorsement (FHSP-E), or Foundation High School Plan with a Distinguished Level of Achievement (FHSP-DLA).
- *Earn a Level I or Level II Certificate.* A graduate earning a level I or level II certificate in any workforce education area.
- *Earn an Industry-Based Certification (IBC) aligned with your CTE Pathway and be a Completer in a CTE Program of Study.* Program of Study Completer requires a coherent sequence of 3 or more courses for 4 or more credits in a CTE Pathway with 1 course being a level III or higher in the same CTE Pathway.
- *Enlist in the Armed Forces or Texas National Guard.* A graduate enlisting in the U.S. Army, Navy, Air Force, Coast Guard, Marines or the Texas National Guard. Must submit your DD4 Form to the WHS to receive your CCMR point.

### COURSE CREDIT, ATTENDANCE, & PREREQUISITES

Students receive credit for courses by earning a grade of 70 or better. For courses that are one full year, students may earn credit if their average for the year is a 70 or



higher. According to state law, students must be in attendance 90% of the time a student is enrolled in a class to receive credit. Some courses have a prerequisite and may not be taken until the prerequisite course is satisfied. Some prerequisites noted in this guide are established by the state and some prerequisites may be a result of a district decision.

#### OFF PERIODS

Seniors are eligible for off periods. Please see your counselor for criteria. Eligibility is based on attainment of College, Career, Military, Readiness (CCMR) indicator attainment and students must have passed all EOC exams. See your counselor for CCMR requirements. State credit will not be given for off periods.

#### LOCAL CREDIT

Local credit does not count toward state graduation requirements. If a student retakes a state accredited course for a higher grade, the higher grade will only be for a local credit and not included in GPA. The original grade will apply to the student's transcript and count toward GPA.

#### STUDENT ATHLETES

If you want to play NCAA college sports and receive a scholarship at the DI or DII level, you will need to register and be cleared by the NCAA. The Eligibility Center is the organization within the NCAA that determines the academic eligibility and amateur status for all NCAA DI and DII athletes. The NAIA now requires that you sign up with the NAIA Eligibility Center in order to certify your freshman eligibility at one of its member institutions. If you are planning to attend a Division III school, you do not need to register with the NCAA Eligibility Center. Division III schools set their own admissions standards.

- NCAA website: [www.eligibilitycenter.org](http://www.eligibilitycenter.org).
- NAIA website: [www.playnaia.org](http://www.playnaia.org)

#### DISTANCE LEARNING & CORRESPONDENCE COURSES

Credit toward state graduation requirements may be granted for distance learning and correspondence courses only as follows:

1. The institution offering the correspondence courses are The University of Texas at Austin, Texas Tech University or another public institution of higher education approved by the Commissioner of Education.
2. Students may earn course credit through approved distance learning technologies such as TxVSN.

This coursework includes the state-required essential knowledge and skills. Prior approval to enroll in these courses must be obtained through an application available in the counseling office. In order to be a candidate for graduation, students must complete these courses by May 1. Grades earned in these courses will not be used in computing class ranking. There may be a cost associated with this coursework.

#### WISD ONLINE COURSES

Online courses are offered in WISD for remediation through Edgenuity. See your counselor for registration information and course offerings. Grades earned in these courses do not carry any GPA weight.

#### TEXAS VIRTUAL SCHOOL NETWORK (TxVSN)

Provides online high school courses to students in public school districts and serves as a clearinghouse of rigorous online courses offered by approved providers. All courses have been approved by the Texas Education Agency. Fees vary by the course and the providing district. The providing district sets the calendar for TxVSN classes

and students must follow the schedule and guidelines set in each course. Enrollment in courses through the TxVSN shall not be subject to limitations the District may impose for other distance learning courses. In order to receive credit, a student shall obtain approval from the principal or designee prior to enrollment in the course. Information about TxVSN courses is located at <http://txvsn.org> Reference policy EHDE(Legal/Local) for more information about TxVSN. Reference policy EHDE(Legal) for more information about TxVSN.

#### CREDIT BY EXAM - ACCELERATION

A student in any grade (K-12) may use examinations in lieu of course work for acceleration to earn credit in an academic subject (grades 6-12). The parent must complete a Credit By Exam request with the campus principal for a student to accelerate a grade or course, and the parent request must include a rationale for the acceleration and testing. A student will earn credit with a passing score of at least "80" on the exam/s. See your counselor for registration information. All CBE's must be taken prior to the school year starting.

#### CREDIT BY EXAM - PRIOR INSTRUCTION

The principal or designee or the attendance committee, as applicable, shall have authority to offer a student the opportunity to demonstrate mastery in a subject or to earn course credit by examination when the student has had prior instruction in a subject and when:

1. The student is enrolling in the District from a non-accredited school [Reference Policy FD];
2. The student has failed a subject or course; or
3. The student has earned a passing grade in a subject or course but has failed to earn credit or a final grade because of excessive absences [Reference Policy FEC].

The Board-approved examinations shall assess the student's mastery of the essential knowledge and skills and shall be administered according to established District procedures. Prior to offering a student an opportunity to demonstrate mastery or earn credit by this method, an appropriate District employee shall review the student's educational records to determine whether the student has had prior instruction in the subject or course. A student will earn credit with a passing score of at least "70" on the exam/s. (For further information, see the counselor for registration information and District Policy EHDB LOCAL).

#### CREDENTIALING FOR LOTE COURSES

Students that successfully complete the second or higher-level LOTE course may be awarded credit for the lower-level course(s). This policy is only available within the LOTE subject area because the course levels are based on increasing proficiency, and the knowledge and skills of the lower-level course(s) are subsumed within each upper level course. Students that are not successful in a lower level course are not able to move to a higher-level LOTE course and receive credit for a lower level course. (i.e. student fails Spanish I then moves to Spanish II, the student is not eligible to receive credit for Spanish I upon successful completion of Spanish II).

#### CREDIT RECOVERY

Students who are unsuccessful in a course will be required to retake the course to earn credit. Computerized credit recovery programs will be available exclusively through:

- summer credit recovery programs
- The RISE Academy

### Summer Credit Recovery:

Summer credit recovery programs will be offered to provide students with an opportunity to retake failed courses during the summer break. These courses will be offered through a computerized credit recovery format to earn credit in an academic subject (grades 6-12).

### HONORS PROGRAMS

Honors courses provide students in grades 9-12 the opportunity to learn the same course material but at a faster pace and at a deeper level of understanding than in regular-level classes. Honors courses are designed to develop the critical reading, analytic problem solving, and clear writing skills needed for successful completion of college level work while still in high school. Enrolling in Honors courses is highly recommended for students who wish to take Advanced Placement or Dual Credit classes while in high school.

### ADVANCED PLACEMENT (AP) PROGRAM

Advanced Placement courses provide college-level coursework for high school students who are ready and willing to do college-level work while in high school. AP courses follow the content and curricular objectives established by the College Board. Colleges and universities have the option of accepting AP exam scores for college credit. HB 1992, signed into law in June of 2015, requires all Texas public colleges and universities to award college credit to students who submit scores of 3 and higher on AP Exams. This applies to entering freshmen at Texas public institutions of higher education beginning in the fall of 2016. Students enrolling in an Advanced Placement course will be required to agree to the terms listed in the WISD AP Student Expectations Agreement, which is included in the addendum.

Furthermore, all AP courses are weighted in the calculation of grade point average. All courses designated as "AP" courses are college-level courses taken while students are still enrolled in high school. Students should expect subject matter and workload to be similar to a college-level course. All students enrolled in AP courses are expected to take the College Board AP exam for that course in May of the enrolled school year. There is a fee associated with the taking of each AP exam that is set by the College Board each year. Qualified students may receive exam cost reductions or fee waivers.

**All students enrolled in AP courses will be required to take the AP exam and will pay for the exam(s) at the beginning of the school year. The approximate cost of the exam is \$94. The cost of the exam will be reduced based on the number of exams the student takes.** Financial assistance is available for students that qualify, based on their enrollment in the Federal Free and/or Reduced Lunch Program. If a payment plan is required, contact the school administration. By taking AP exams each May, students may earn AP Scholar Awards, which recognize student success and achievement in AP courses and on AP Exams.

### ADDITIONAL ONLINE RESOURCES

This list is provided as a service to WISD students and families. There is no intent on the part of WISD to endorse the organizations and web resources listed below nor is this list inclusive of all possible resources. The student and family are free to obtain information from any other source.

**Career Exploration: Explore the world of career options**

<http://www.texascareercheck.com/>

<http://www.texasrealitycheck.com/>  
<http://www.bls.gov/k12/>

**College Readiness and Selection: Learn about prospective institutions**

<http://www.collegeforalltexas.com/>  
<http://youcango.collegeboard.org/>  
<https://bigfuture.collegeboard.org/>  
<http://knowhow2go.acenet.edu/>  
<http://nces.ed.gov/collegenavigator/>  
<https://fairtest.org/test-optional-list/>  
<https://ldatx.org/>

**College Application Sites: Save time in the application process**

<https://www.applytexas.org/>  
<http://www.commonapp.org/>  
<http://www.coalitionforcollegeaccess.org/>

**Financial Planning: Get a head start on planning**

<https://studentaid.gov/>  
<https://www.irs.gov/individuals/parents>  
<http://www.finaid.org> <http://www.collegesavings.org>  
<https://www.tvc.texas.gov/education/hazlewood/>

**College Athletics: Participate in the college setting**

<https://www.ncaa.org/>  
<https://play.mynaia.org/>  
<http://www.njcaa.org/eligibility/index>

### DUAL CREDIT

Dual Credit is concurrent enrollment for a college course and a high school course. WISD's dual credit courses are only offered during the fall and spring semesters. Summer and Mini courses are not dual credit courses.

### COLLEGIATE ACADEMY (WEATHERFORD COLLEGE)

The Collegiate Academy provides a way for students to earn dual credit in courses provided by Weatherford High School Staff and Weatherford College instructors while working toward high school graduation. Collegiate Academy students are on track to complete an Associate's Degree.

Student's hours may transfer to Weatherford College to complete an Associate's Degree. Students are responsible for tuition, fees, and books. For information regarding financial assistance, contact the counseling department. Dual credit courses do not start until a student's sophomore year.

### GRIZZARD REGIONAL INSTITUTE OF TECHNOLOGY (GRIT)

GRIT provides a way for students to earn a Level 1 Industry Certification and an Associate's Degree in courses provided by Weatherford High School Staff and Weatherford College instruction free of charge. The following Pathways will be offered to incoming 9th, 10th and 11th graders: Automotive Technology, Cosmetology, Cybersecurity, Welding, Education and Training and Health Science. Culinary will also be offered to incoming 9th & 10th grade students.

### NATIONAL MERIT SCHOLARSHIP PROGRAM

**About the Program**

Of the nearly 1.6 million entrants each year, about 50,000 with the highest PSAT/NMSQT Selection Index scores qualify for recognition by the National Merit Scholarship Corporation's (NMSC) National Merit Scholarship Program. Students who take the PSAT their junior year are automatically entered into the National Merit Scholarship Program. In September, these high scorers are notified through their schools that they have qualified, either as a Semifinalist or as a Commended Student, on



the basis of a nationally applied Selection Index score. This score may vary from year to year based on student PSAT performance nationally.

**Semifinalists**

Competing against other junior PSAT takers within their own state, about 16,000 students are notified that they have qualified as Semi-finalists in the National Merit Scholarship Program. Semi-finalists will receive scholarship application materials from the NMSC after they are notified of their status as semifinalists. Semi-finalists may advance to Finalist standing by completing the required application and meeting the academic requirements set by the NMSC.

**Commended Students**

Junior PSAT takers scoring in the top 34,000 can receive Letters of Commendation from the NMSC in recognition of their high performance on the PSAT. Although Commended Students do not continue on as candidates for National Merit Scholarships, they can be candidates of special scholarships sponsored by corporations and private businesses.

**Finalists**

In February of their senior year, Semifinalists are notified via mail if they have advanced to Finalist standing. National Merit Scholarships are then chosen from the pool for Finalists after evaluating a variety of factors. More information about the National Merit Scholarship Program can be found at: <http://www.nationalmerit.org/>.

**SPECIAL EDUCATION PROGRAMS**

Placement in any special education class is dependent on eligibility and the decision and placement of the IEP Team Committee. A number of special education programs and classes are offered at the high school level. All special education courses are taken for credit, as are general education courses.

**SECTION 504**

Section 504 is an anti-discrimination statute requiring schools to meet the needs of students with disabilities as appropriately as they meet the needs of non-disabled students. A placement committee determines a student's Section 504 eligibility and qualification for services. Placement decisions are to be made by a group of persons who are knowledgeable about the child, the meaning of the evaluation data, placement options, least restrictive environment requirements, and comparable facilities" [34 C.F.R. §104.35(c)(3)].

**GUIDELINES FOR SCHEDULE CHANGES**

Students and parents are asked to give the selection of courses much consideration and careful thought. Scheduling and assignment of classes are completed prior to the end of each school year. If a student believes that he/she has been incorrectly placed in a class, received credit for the course over the summer, no longer needs a course for graduation, or did not complete the required prerequisites for enrollment, a schedule change request may be made to the student's assigned counselor. We recognize some students may have difficulty with coursework as they adjust to a new schedule. Before seeking a course change, students are required to set up a time to conference with both their parents and teacher about their progress, and collaboratively develop a plan for improvement.

**Timing of Course Changes**

In Weatherford ISD, students select their courses, create their schedules and have an opportunity to request any change needed before May 1 of the previous year. Only

Honors and AP changes are made after May 1. Once school begins, AP and Honors changes are made only at the end of the first six weeks of the fall semester OR during the first week of the spring semester, with the proper approvals. The Honors/AP Drop form must be completed and returned to the Counseling Center by the last day of the first six weeks, or last day of the 1st semester. Changes are not permitted outside of this timeframe.

**Approval of Schedule Changes**

Approval of schedule changes will be limited to requests judged to be within district guidelines and in the best interest of the student.

**Required Courses for Graduation**

Students are not permitted to drop required courses for graduation.

**Elective Course Changes**

Elective courses include any courses not specifically required for graduation. Students are not permitted to change from one elective to another.

**Advanced Academics Course Changes (Honors, AP)**

Approval for exiting an advanced academic course will be determined by the student's performance, teacher input, parent approval, and administrator approval. Requests to drop a course will only be allowed if there is space available in a substitute course. Transfer grades are not weighted.

**Additional Schedule Change Considerations**

- Student-athletes should refer to UIL rules regarding dropping a class with a failing grade.
- Any change in courses may affect the student's entire class schedule.

**COURSE PARTICIPANT LIMITS**

Courses will be offered as listed in the guide below as long as course participant limits are met. If there are not enough students signed up to take a course, it will not be offered. Dual Credit courses that do not have enough students signed up will be offered online only.

**RISE ACADEMY**

RISE supports identified at-risk students who have extenuating circumstances requiring a flexible school day. The goal of the program is to target those students who are unable to attend school in a traditional setting, for example, because the student must seek employment to support their family, or must provide childcare during traditional school hours.

**TRANSFER STUDENT GRADES**

Some transcripts from outside of Texas reflect an alpha grade and not a numeric grade. When this occurs, the letter grade will be transcribed to a numeric grade as indicated below:

A+	100
A	95
A-	90
B+	89
B	85
B-	80
C+	79
C	75
C-	70
D	P (passed)
F	60

## ADVANCED CLASSES IDENTIFIED FOR NO PASS, NO PLAY EXEMPTION

Texas Education Agency/University Interscholastic League Academic Requirements (No-Pass, No-Play)  
A student who receives, at the end of any grading period (after the first six weeks of the school year), a grade below 70 in any class (other than an identified class eligible for exemption) or a student with disabilities who fails to meet the standards in the Individual Education Plan (IEP) may not participate in extracurricular activities for three school weeks. An ineligible student may practice or rehearse, however. The student regains eligibility after the seven calendar day waiting period has ended following a grading period or the three school week evaluation period when the principal and teachers determine that he or she has earned a passing grade (70 or above) in all classes, other than those that are exempted.

The following courses are the Weatherford ISD advanced courses that are eligible for the No-Pass, No-Play Exemption:

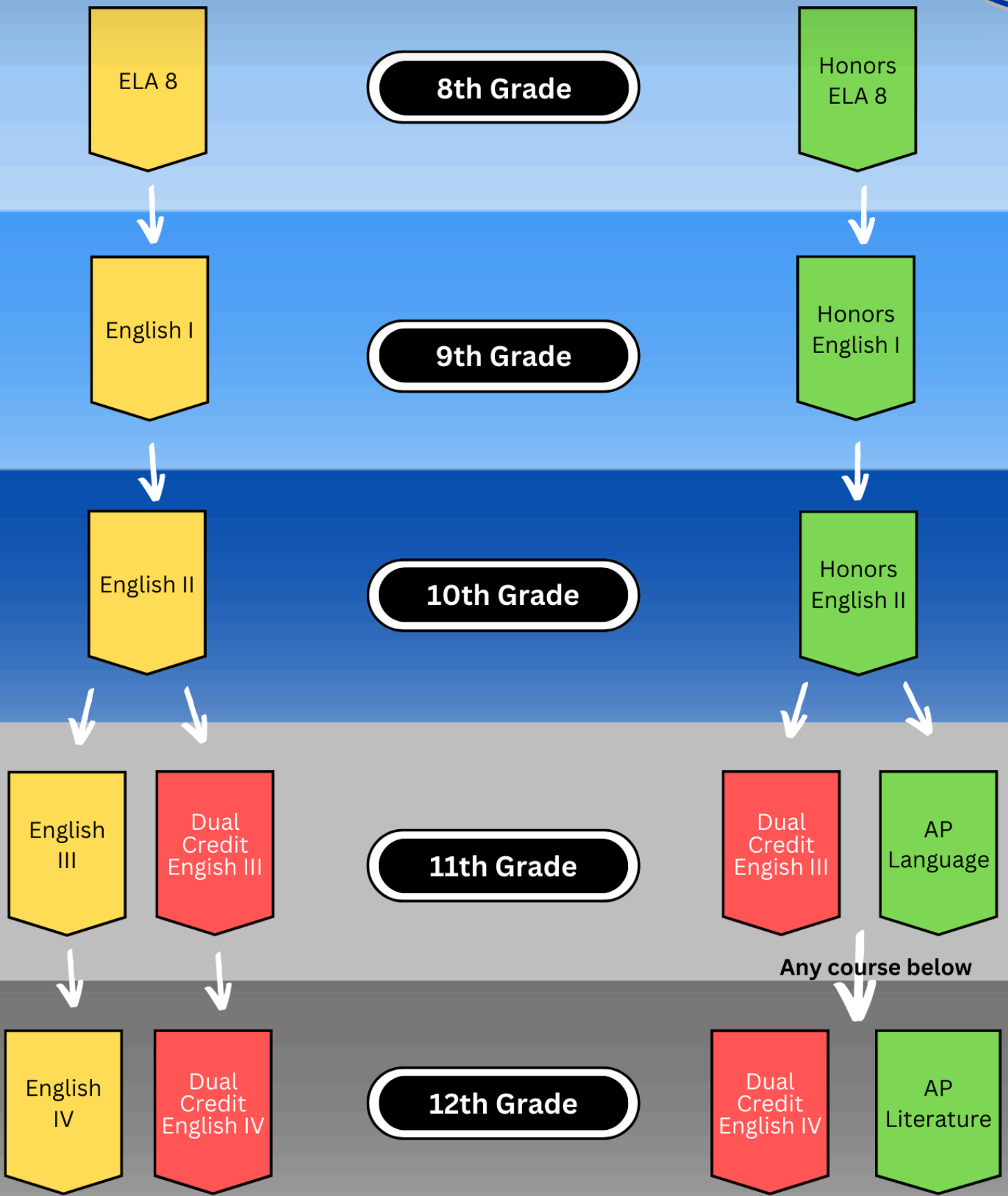
### High School Exempt Courses

- ✚ **Advanced Placement Course:**  
All
- ✚ **English Language Arts:**  
Honors English I  
Honors English II
- ✚ **Mathematics**  
Algebra I Honors  
Geometry Honors  
Algebra II Honors  
Pre-Calculus Honors
- ✚ **Science:**  
Honors Anatomy and Physiology  
Honors Biology  
Honors Chemistry
- ✚ **Language Other Than English:**  
Spanish 2 Honors  
Spanish 3 Honors
- ✚ **Dual Credit:**  
Any dual credit course in English, Mathematics, Science, Social Studies, Economics, or a language other than English.

## ADVANCED ACADEMICS PROGRAM COMPARISON SIDE-BY-SIDE

	Advanced Placement (AP)	Dual Credit
Description	The College Board AP program allows students to take college level courses and the related AP Exam to potentially earn college credit in high school.	Dual Credit courses for core & some CTE subjects are offered through a partnership with Weatherford College.
College Credit	College credit is granted when students pass the AP examination. Individual colleges and universities, not College Board or AP Program, grant course credit and placement. Requires a score of 3 (Out of 1-5) or higher. See individual college/university for their specific policy.	College credit is granted based off of the grade earned by the student through the participating College Institution. College credit is shown on the college transcript. Students abide by all college drop and withdrawal deadlines. All grades posted by the college will be on the college transcript and high school transcript. Earned academic credit is guaranteed to be accepted for credit at any public university in Texas. Technical Dual Credit courses may not transfer to a university towards a four- year degree.
Teachers/Instructors	Courses are taught by high school teachers trained by College Board.	Courses are taught by WHS teachers who are also employed by Weatherford College or by professors employed by the participating college institution.

# Grade 8 - 12 English Flowchart



**On-Level Courses**

**Honors Courses**

**College Level Courses**

ENGLISH LANGUAGE ARTS			
Course Name	Credits	Grade Levels	Required Prerequisite
Debate 1	1.0	10-12	None
Debate 2	1.0	11-12	Debate 1
Debate 3	1.0	12	Debate 2
English I	1.0	9	None
English II	1.0	10	English I
English III	1.0	11	English II
English IV	1.0	11	English III
Honors English I	1.0	9	None
Honors English II	1.0	10	English I
AP Language & Composition	1.0	11	English II
AP Literature & Composition	1.0	11-12	English III
AP Seminar	1.0	11-12	Honors English II
AP Research	1.0	11-12	AP Seminar
Dual Credit English III	1.0	11	English II
Dual Credit English IV	1.0	12	Dual Credit English III

**DEBATE 1** **0160A/0160B**  
**Grade Placement: 10-12 | Prerequisite: None | Credit: 1.0**  
 Students will develop argumentation skills to be used in competitive and noncompetitive debates. In addition, students will engage in research and study of current social, political, local, state, and national events to inform and strengthen arguments during debates. This is a two-semester course.

**DEBATE 2** **0161A/0161B**  
**Grade Placement: 11, 12 | Prerequisite: Debate 1 | Credit: 1.0**  
 See Debate 1 course description. This is a two-semester course.

**DEBATE 3** **0162A/0162B**  
**Grade Placement: 12 | Prerequisite: Debate 2 | Credit: 1.0**  
 See Debate 1 course description. This is a two-semester course.

**ENGLISH I** **0110A/0110B**  
**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**  
**The state requires an EOC assessment at the end of this course.**  
 This course is an integration of the study of American, British, and world literature and the study of the writing process. Students apply reading strategies to study the genre-specific characteristics, structures, and purposes of various genres and how to apply those characteristics when composing their own writing in that genre. Students utilize the writing process to compose literary texts, informational texts, argumentative texts, and correspondence. This is a two-semester course.

**ENGLISH II** **0120A/0120B**  
**Grade Placement: 10 | Prerequisite: English I | Credit: 1.0**  
**The state requires an EOC assessment at the end of this course.**  
 This course is an integration of the study of world literature across literary time periods and the study of the writing process. Students apply reading strategies to study the genre-specific characteristics, structures, and purposes of various genres and how to apply those characteristics when composing their own writing in that genre. Students utilize the writing process to compose literary texts, informational texts, argumentative texts, and correspondence. This is a two-semester course.

**ENGLISH III** **0130A/0130B**  
**Grade Placement: 11 | Prerequisite: English II | Credit: 1.0**  
 This course is an integration of the study of American literature across literary time periods and the study of the writing process. Students apply reading strategies to study the genre-specific characteristics, structures, and purposes of various genres and how to apply those characteristics when composing their own writing in that genre. Students utilize the writing process to compose literary texts, informational texts, argumentative texts,

and correspondence. In this course students must also be able to analyze the effectiveness of an author's ability to use various literary and rhetorical techniques and then compose multi-paragraph literary and rhetorical analysis. This is a two-semester course.

**ENGLISH IV** **0140A/0140B**  
**Grade Placement: 11 | Prerequisite: English III | Credit: 1.0**  
 This course is an integration of the study of British literature across literary time periods and the study of the writing process. Students apply reading strategies to study the genre-specific characteristics, structures, and purposes of various genres and how to apply those characteristics when composing their own writing in that genre. Students utilize the writing process to compose literary texts, informational texts, argumentative texts, and correspondence. In this course students must also be able to analyze the effectiveness of an author's ability to use various literary and rhetorical techniques and then compose Multi-paragraph literary rhetorical analysis. This is a two-semester course.

**HONORS ENGLISH I** **0111A/0111B**  
**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**  
**The state requires an EOC assessment at the end of this course.**  
 This course prepares students for the academic rigors of AP English Language and Composition and AP Literature and Composition. Students will exercise the balance of rigorous in-class reading and writing instruction with out-of-class independent practice. Similar to English I, this course is an integration of the study of American, British, and world literature and the study of the writing process. Students apply reading strategies to study the genre-specific characteristics, structures, and purposes of various genres and how to apply those characteristics when composing their own writing in that genre. Students utilize the writing process to compose literary texts, informational texts, argumentative texts, and correspondence. This is a two-semester course.

**HONORS ENGLISH II** **0121A/0121B**  
**Grade Placement: 10 | Prerequisite: English I | Credit: 1.0**  
**The state requires an EOC assessment at the end of this course.**  
 This course prepares students for the academic rigors of AP English Language and Composition and AP Literature and Composition. Students will exercise the balance of rigorous in-class reading and writing instruction with out-of-class independent practice. Similar to English II, this course is an integration of the study of American, British, and world literature and the study of the writing process. Students apply reading strategies to study the genre-specific characteristics, structures, and purposes of various

genres and how to apply those characteristics when composing their own writing in that genre. Students utilize the writing process to compose literary texts, informational texts, argumentative texts, and correspondence. This is a two-semester course.

**AP LANGUAGE & COMPOSITION 0131A/0131B**  
**Grade Placement: 11 | Recommended Prerequisite: Honors English II | Credit: 1.0**

**Students are expected to take an Advanced Placement exam.**

This course is designed to prepare students for the Advanced Placement Language and Composition Exam at the end of the school year. The AP exam and the daily requirements of this course are equivalent to the academic rigors of a freshman level college course. Students read and analyze texts of high literary merit from a range of literary and historical time periods. In addition, students utilize the writing process to compose in and out of class compositions for a variety of audiences. In addition, students experience both timed and untimed writing opportunities. This is a two-semester course.

**AP ENGLISH IV 0141A/0141B**  
**Grade Placement: 12 | Recommended Prerequisite: AP Language & Composition | Credit: 1.0**

**Students are expected to take an Advanced Placement exam.**

This course is designed to prepare students for the Advanced Placement Literature and Composition Exam at the end of the school year. The AP exam and the daily requirements of this course are equivalent to the academic rigors of a sophomore level college course. Students read and analyze texts of high literary merit from a range of literary and historical time periods. In addition, students utilize the writing process to compose in and out of class compositions for a variety of audiences. In addition, students experience both timed and untimed writing opportunities. This is a two-semester course.

**AP SEMINAR 01007A/01007B**  
**Grade Placement: 11, 12 | Prerequisite: Honors English II | Credit: 1.0**

AP Seminar and AP Research are the two courses in the AP Capstone College Board program. If students enroll in these courses, they need to also be taking at least four other AP courses or dual credit courses. This program is a research program that mirrors college capstone courses, and students utilize the learning from other advanced courses to guide their ideas and research interests in the AP Capstone courses. To earn an AP Capstone diploma, students must earn a qualifying exam score on both AP Seminar and AP Research, as well as at least four other AP courses. In this course students will develop and practice skills in academic research, collaboration, communication, and critical thinking that are valuable in any academic discipline in high school and college. Students will give oral and visual presentations as well as write research-based compositions. This is a two-semester course.

**AP RESEARCH 01008A/01008B**  
**Grade Placement: 12 | Prerequisite: AP Seminar | Credit: 1.0**

AP Seminar and AP Research are the two courses in the AP Capstone College Board program. If students enroll in these courses, they need to also be taking at least four other AP courses or dual credit courses. This program is a research program that mirrors college capstone courses, and students utilize the learning from other advanced courses to guide their ideas and research interests in the AP Capstone courses. To earn an AP Capstone diploma, students must earn a qualifying exam score on both AP Seminar and AP Research, as well as at least four other AP courses. In this course students will develop and practice skills in academic research, collaboration, communication, and critical thinking that are valuable in any academic discipline in high school and college. Students will give oral and visual presentations as well as write research-based compositions. This is a two-semester course.

**DUAL CREDIT ENGLISH III 20018A/20018B**  
**Grade Placement: 11 | Prerequisite: English II | Corequisite: English III | Credit: 1.0**

Students enrolled in this course are seeking to earn high school English III credit and freshman college level English course credit concurrently (i.e. at the same time). This is a two-semester course.

**DUAL CREDIT ENGLISH IV 20019A/20019B**  
**Grade Placement: 12 | Prerequisite: Dual Credit English III | Corequisite: English IV | Credit: 1.0**

Students enrolled in this course are seeking to earn high school English IV credit and sophomore college level English course credit concurrently (i.e. at the same time). This is a two-semester course.



# Grade 8 - 12 Mathematics Flowchart



Math 8

8th Grade

Honors Alg. 1

Algebra 1

Honors Algebra 1

9th Grade

Honors Geometry

Alg. Reas.

Geometry

Honors Geometry

10th Grade

Honors Algebra II

Dual Credit Alg II

Geometry

Alg. Reas.

Algebra II\*

Honors Algebra II\*

Dual Credit Alg II\*

11th Grade

Honors PreCal

AP or Dual Credit PreCal

AP Stats

Dual Credit Stats

Alg. II\*

Financial Math

PreCal

Dual Credit Contemp. Math

Honors PreCal

12th Grade

AP or Dual Credit PreCal Stats Contemp. Math

AP Calculus Comp. Sci. Stats

Dual Credit Stats CollAlg Contemp. Math

Honors PreCal

AP or Dual Credit PreCal Contemp. Math

\*Recommended & Distinguished Graduation Plans Require Algebra II

**On-Level Courses**

**Honors Courses**

**College Level Courses**

## MATHEMATICS

Course	Credits	Grade Levels	Required Prerequisite
Algebra I	1.0	9	8 <sup>th</sup> grade math or equivalent
Honors Algebra I	1.0	9	8 <sup>th</sup> grade math or equivalent
Algebraic Reasoning	1.0	10-12	Algebra I
Geometry	1.0	9-10	Algebra I
Honors Geometry	1.0	9-10	Algebra I
Algebra II	1.0	10-12	Algebra I
Honors Algebra II	1.0	10-12	Algebra I
Dual Enrollment Algebra II Honors	1.0	10-12	Algebra I & Geometry
Pre-Calculus	1.0	11-12	Geometry, Algebra II
Honors Pre-Calculus	1.0	11-12	Geometry, Algebra II
Dual Enrollment College Pre-Calculus	1.0	11-12	Geometry, Algebra II
AP Pre-Calculus	1.0	11-12	Geometry, Algebra II
AP Calculus	1.0	11-12	Pre-Calculus
Dual Enrollment Elementary Statistical Methods	1.0	11-12	Geometry, Algebra II
AP Statistics	1.0	11-12	Geometry, Algebra II
Dual Credit College Algebra	1.0	12	Pre-Calculus
Dual Credit Contemporary Math	0.5	12	Geometry, Algebra II
Digital Electronics	1.0	10-12	Algebra I, Geometry
Financial Math	1.0	11-12	Algebra I
Math Models (RISE only)	1.0	10-12	Algebra I

**ALGEBRA I** **0210A/0210B**  
**Grade Placement: 9 | Prerequisite: 8th Grade Mathematics (or equivalent) | Credit: 1.0**

The state requires an EOC assessment at the end of this course. Algebra I is a prerequisite for all high school math courses and is required for graduation. It is designed to build on the algebraic concepts studied in 6th-8th grade mathematics. In this course, students will study linear, quadratic, and exponential functions from multiple representations (graph, table, equation, model, verbal description)

**HONORS ALGEBRA I - NGC** **0211A/0211B**  
**Grade Placement: 9 | Prerequisite: 8th Grade Mathematics (or equivalent) | Credit: 1.0**

The state requires an EOC assessment at the end of this course. Algebra I students will study linear, quadratic, and exponential functions from multiple representations (graph, table, equation, model, verbal description). Honors students will extend Algebra I concepts in preparation for taking Advanced Placement (AP) courses in high school.

**ALGEBRAIC REASONING** **0286A/0286B**  
**Grade Placement: 10, 11, 12 | Prerequisite: Algebra I | Credit: 1.0**

Algebraic Reasoning extends the mathematics learned in K-8th grade and Algebra I. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build workforce and college readiness such as probes, measurement tools, and software tools.

**GEOMETRY** **0232A/0232B**  
**Grade Placement: 9, 10 | Prerequisite: Algebra I | Credit: 1.0**

Geometry is the second course in the high school math sequence and is required for graduation. It is designed to build on the geometric and algebraic concepts studied in

Kindergarten-8th grade mathematics. In this course, students will investigate various shapes and their properties including dimensionality, congruence, and similarity.

**HONORS GEOMETRY** **0236A/0236B**  
**Grade Placement: 9-10 | Prerequisite: Algebra I | Credit: 1.0**

Geometry is the second course in the high school math sequence and is required for graduation. Honors Geometry is designed to build on the geometric and algebraic concepts studied in Kindergarten-8th grade mathematics. In this course, students will investigate various shapes and their properties including dimensionality, congruence, and similarity. At the Honors level, students will further enhance their logical reasoning and thinking skills as the course covers a greater depth and a broader scope of the Texas essential knowledge and skills.

**ALGEBRA II** **0240A/0240B**  
**Grade Placement: 10, 11, 12 | Prerequisite: Algebra I | Credit: 1.0**

Algebra II builds upon Algebra I by extending the study of linear, quadratic, and exponential functions. In this course, students will further explore the idea of functional relationships by studying square root, cube root, absolute value, rational and logarithmic functions. Students will use a variety of representations (graph, table, equation, model, and verbal description), tools, and technology to solve meaningful problems.

**HONORS ALGEBRA II** **0241A/0241B**  
**Grade Placement: 10, 11, 12 | Prerequisite: Algebra I | Credit: 1.0**

Honors Algebra II builds upon Algebra I by extending the study of linear, quadratic, and exponential functions. In this course, students will further explore the idea of functional relationships by studying square root, cube root, absolute value, rational and logarithmic functions. Students will use a variety of representations (concrete, numeric, pictorial, algebraic, graphical), tools, and technology to solve meaningful problems. At an Honors level, students will enhance their algebraic manipulation skills while covering a greater depth and broader scope of the Texas essential knowledge and skills for second

year algebra.

**MATH 1314 - DUAL ENROLLMENT ALGEBRA II HONORS**  
0241TA/0241TB

**Grade Placement: 10, 11, 12 | Prerequisite: Algebra I**  
**Recommended Prerequisite: Geometry | Credit: 1.0**  
Students enrolled in this course are seeking to earn high school Algebra II credit and college level College Algebra course credit concurrently (i.e. at the same time). This is a two-semester course. In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. (Tarleton Today - College Algebra)

**PRE-CALCULUS** 0250A/0520B

**Grade Placement: 11, 12 | Prerequisite: Geometry, Algebra II | Credit: 1.0**  
Pre-Calculus is designed to deepen students' prior understandings and fluency with algebra and connections to geometry. This course includes the functional relationships, geometric reasoning, numerical relationships, and algebraic reasoning necessary for the study of calculus and other college level courses. Topics will include functional compositions, inverses and graphing behaviors, trigonometry, conic sections, vectors, parametric equations, polar coordinates, and sequences and series.

**HONORS PRE-CALCULUS** 0251A/0251B

**Grade Placement: 11, 12 | Prerequisite: Geometry, Algebra II | Credit: 1.0**  
Honors Pre-Calculus is designed to deepen students' prior understandings and fluency with algebra and connections to geometry. This course includes the functional relationships, geometric reasoning, numerical relationships, and algebraic reasoning necessary for the study of calculus and other college level courses. Topics will include functional compositions, inverses and graphing behaviors, trigonometry, conic sections, vectors, parametric equations, polar coordinates, and sequences and series. At the Honors level, students will address topics in more depth and with more rigor in order to better prepare students for AP Calculus.

**MATH 2412 - DUAL ENROLLMENT PRE-CALCULUS**  
0250TA/0250TB

**Grade Placement: 11, 12 | Recommended Prerequisite: Geometry, Algebra II | Credit: 1.0**  
Students enrolled in this course are seeking to earn high school Pre-Calculus credit and college level Pre-Calculus course credit concurrently (i.e. at the same time). This is a two-semester course. Continuation of the study of algebra with the addition of trigonometry and other topics for calculus readiness. (Tarleton Today - Pre-Calculus)

**AP PRE-CALCULUS** 0261A/0261B

**Grade Placement: 11, 12 | Recommended Prerequisite: Geometry, Algebra II | Credit: 1.0**  
Advanced Placement Pre-Calculus is designed to be the equivalent of a first semester college pre-calculus course. AP Pre-Calculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college level mathematics courses. This course explores a variety of function types and their applications—polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices. Students will take the Advanced Placement Exam (college credit awarded with a passing score).

**AP CALCULUS** 0260A/0260B

**Grade Placement: 11, 12 | Recommended Prerequisite: Pre-Calculus | Credit: 1.0**  
Advanced Placement Calculus AB is a College Board course and is designed to prepare students for the AB Advanced Placement examination in Calculus (college credit awarded with a passing score). Students are expected to have an understanding of functions and their graphs, in addition to having strong algebraic, geometric, and trigonometric skills. In this course, students will study limits, differentiation, and integration applications.

**MATH 1342 - DUAL ENROLLMENT ELEMENTARY STATISTICAL METHODS** course code

**Grade Placement: 11, 12 | Recommended Prerequisite: Geometry,**

**Algebra II | Credit: 1.0**

Students enrolled in this course are seeking to earn high school Statistics credit and college level Statistics course credit concurrently (i.e. at the same time). This is a two-semester course. Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Technology will be incorporated where appropriate. (Tarleton Today - Statistics)

**AP STATISTICS** 0259A/0259B

**Grade Placement: 11, 12 | Recommended Prerequisite: Geometry, Algebra II | Credit: 1.0**  
Advanced Placement Statistics is a College Board course and is designed to prepare students for the Advanced Placement examination in Statistics. The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics (college credit awarded with a passing score). The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

**MATH 1314 DUAL CREDIT COLLEGE ALGEBRA** 20002X

**Grade Placement: 11, 12 | Recommended Prerequisite: Pre-Calculus | Credit: 1.0**  
This course includes the study of linear, quadratic, polynomial, logarithmic, and exponential functions and their graphs; characteristics of other basic functions, graphing techniques, and operations on functions; systems of equations; and matrices.

**MATH 1332 DUAL CREDIT COLLEGE CONTEMPORARY MATHEMATICS I** 20016X

**Grade Placement: 11, 12 | Recommended Prerequisite: Geometry, Algebra II | Credit: 0.5**  
Students enrolled in this course are seeking to earn college level Contemporary Math (Math for Liberal Arts Majors), a one-semester course. This course includes introductory treatments of sets, logic, number systems, number theory, relations, functions, probability and statistics. Appropriate applications are included. This course is designed for liberal arts students. It will provide knowledge of the nature of mathematics as well as training in mathematical thinking and problem solving. All topics are motivated by real world applications and may include logic, problem solving, financial management, probability, statistics, modeling, and the mathematics of politics. (Weatherford College - Contemporary Mathematics)

**DIGITAL ELECTRONICS** 12131A/12131B

**Grade Placement: 10, 11, 12 | Prerequisite: Algebra I & Geometry | Credit: 1.0**  
Study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discrete voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics. Digital electronics is the foundation of modern electronic devices such as cellular phones, digital audio players, laptop computers, digital cameras, and high-definition televisions. *This course meets graduation requirements for a fourth math credit.*

**FINANCIAL MATH** 12049A/12049B

**Grade Placement: 11, 12 | Prerequisite: Algebra I | Recommended Prerequisite: Accounting I | Credit: 1.0**  
This course is about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors.

**MATH MODELS (RISE ONLY)** 0270A/0270B

**Grade Placement: 10, 11, 12 | Prerequisite: Algebra I | Credit: 1.0**  
Math Models with Applications involves real-life applied problems including money, data, chance, patterns, music, design, and science. In this course, students use algebraic, graphical, statistical, and geometric reasoning to recognize patterns and to model information.



# Grade 9 - 12 Science Flowchart



Biology

9th Grade

Honors Biology



Chemistry

IPC

10th Grade

AP Biology

Honors Chemistry



Any course below



Physics

CTE Science Course

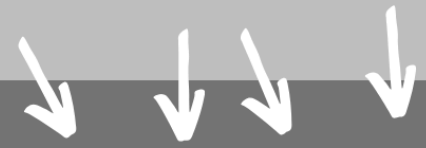
Astron., Aquat. Science, Env. Systems

11th Grade

AP Biology, AP Chem, AP Physics 1, AP Env. Syst.

Dual Credit Science

CTE Science Course



AP Biology 2, AP Chem, AP Physics 1, AP Env. Syst.

Dual Credit Science

CTE Science Course

12th Grade

AP Biology 2, AP Chem, AP Physics 2, AP Env. Syst.

Dual Credit Science

On-Level Courses

Honors Courses

College Level Courses

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**SCIENCE**

<b>Course Name</b>	<b>Credits</b>	<b>Grade Levels</b>	<b>Required Prerequisite</b>
Advanced Animal Science	1.0	11-12	Livestock or Equine Science, Algebra I, Biology, Chemistry, or IPC
Advanced Plant & Soil	1.0	10-12	None
Anatomy and Physiology	1.0	11-12	Biology and additional science credit
Honors Anatomy and Physiology	1.0	11-12	Three science credits
Aquatic Science	1.0	10-12	Biology
Astronomy	1.0	10-12	Biology
Biology I	1.0	9	None
Honors Biology	1.0	9	Algebra I Honors Recommended
AP Biology 2	1.0	11-12	Honors Biology and Chemistry
Chemistry I	1.0	10	Biology and Algebra I
Honors Chemistry	1.0	10	Biology and Algebra I
AP Chemistry 2	1.0	11-12	Biology, Chemistry, and Pre-Calculus
Food Science	1.0	11-12	Biology, Chemistry, or IPC plus one other science course
Forensic Science	1.0	11-12	Biology, Chemistry, or IPC plus one other science course
Integrated Physics and Chemistry (IPC)	1.0	10-12	None
Pathophysiology	1.0	11-12	Biology and Chemistry
Physics	1.0	11-12	Biology and Algebra II (can be concurrently)
Honors Physics	1.0	11-12	Biology and Algebra II (can be concurrently)
Engineering Science	1.0	10-12	Algebra I
AP Physics 1	1.0	10-12	Biology and Algebra II
AP Physics 2	1.0	11-12	Biology, Algebra II, Physics I AP
Environmental Systems	1.0	11-12	Biology
AP Environmental Science	1.0	11-12	Biology and Chemistry or Physics
Dual Credit Anatomy and Physiology	1.0	11-12	Biology
Dual Credit Biology for Science Majors I	0.5	11-12	Biology and Algebra II
Dual Credit Biology for Science Majors II	0.5	11-12	Dual Credit Biology for Science Majors I
Dual Credit General Biology I	0.5	11-12	Biology
Dual Credit General Biology II	0.5	11-12	Dual Credit General Biology I
Dual Credit Physics	0.5	11-12	Algebra I, Trigonometry or Pre-calculus
Dual Credit Physics II	0.5	11-12	Dual Credit Physics I
Advanced Animal Science	1.0	11-12	Livestock or Equine Science, Algebra I, Biology, Chemistry, or IPC

**ADVANCED ANIMAL SCIENCE 1605A/1605B**

**Grade Placement: 11, 12 | Prerequisite: Livestock or Equine Science, Algebra I, Biology, Chemistry, or IPC | Credit: 1.0**

*This course will count as a 4th science credit*

This course examines the interrelatedness of human, scientific and technological dimensions of livestock production.

Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. Develop and investigate the scientific and technological dimensions of scientific animal agriculture, genetics and reproduction, anatomy and physiology of various livestock species, nutritional requirements and disease and parasites of livestock. Students in this course are encouraged to join and participate in the Weatherford FFA Chapter. This is a two-semester course.

**ADVANCED PLANT & SOIL**

**12123A/12123B**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0**

This course provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace. *This course meets graduation requirements for a Science credit*

**ANATOMY AND PHYSIOLOGY**

**0386A/0386B**

**Grade Placement: 11, 12 | Prerequisite: Biology and 1 additional science credit | Credit: 1.0**

This course will count as a science credit.

This course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations,

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and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interactions of the body systems for maintaining homeostasis. Students in the Health Science pathway are encouraged to take this course. This is a two-semester course.

**HONORS ANATOMY AND PHYSIOLOGY** 0387A/0387B  
Grade Placement: 11, 12 | Prerequisite: three science credits | Credit: 1.0

The Anatomy and Physiology course is designed for the student interested in the study of medical science as well as those interested in the study of structure and function of the human body. The course stresses the study of human body systems and their basic units of structure and function. Laboratory experience is provided and includes the study of each of the systems. Dissection is used as a scientific method to investigate anatomical structures. There will be significantly higher academic expectations of students in this honors level courses. This is a two-semester course.

**AQUATIC SCIENCE** 0341A/0341B  
Grade Placement: 11, 12 | Prerequisite: Biology | Credit: 1.0

In this course students will study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Students will conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem solving skills. This is a two-semester course.

**ASTRONOMY** 0342A/0342B  
Grade Placement: 11, 12 | Prerequisite: Biology | Credit: 1.0

In this course students study the following topics: information about the universe, scientific theories of the evolution of the universe, characteristics and the life cycle of stars, exploration of the universe, the role of the sun in our solar system, planets, and the orientation and placement of the earth. This is a two-semester course.

**BIOLOGY I** 0320A/0320B  
Grade Placement: 9 | Prerequisite: None | Credit: 1.0

**The state requires an EOC assessment at the end of this course.**  
In this course students study living organisms. It provides students with opportunities of acquiring basic skills, techniques and knowledge necessary to understand today's biological issues. Areas of emphasis include microbiology, ecology, cell structure, molecular biology, genetics, and a general survey of organisms from bacteria to plants and animals. This is a two-semester course.

**HONORS BIOLOGY** 0321A/0321B  
Grade Placement: 9 | Prerequisite: Honors Algebra I recommended | Credit: 1.0

**The state requires an EOC assessment at the end of this course.**  
This course covers the same topics as Biology but with more depth to prepare students for AP Biology or a college level Biology course. Higher level thinking skills and problem-solving strategies will be used not only with course topics but with tests, labs, projects and other assignments such as outSIA2de reading and research. Students will use scientific methods to design experiments, analyze data, and draw conclusions while conducting lab investigations. This is a weighted, two semester course.

**AP BIOLOGY 2** 0322A/0322B  
Grade Placement: 11, 12 | Prerequisite: Honors Biology and Chemistry (May be taken concurrently) | Credit: 1.0

This course is an advanced biology course designed to be the equivalent of college biology. It stresses biology, chemistry, and math integration. The three main topics covered are molecules and cells, genetics and evolution, and organisms and populations. The AP labs thoroughly prepare students in basics of lab techniques and understanding of topics covered in lecture. This is a weighted, two semester course.

**CHEMISTRY I** 0333A/0333B  
Grade Placement: 10 | Prerequisite: Biology and Algebra I | Credit: 1.0

In this course students conduct laboratory and fieldwork investigations using scientific methods to make informed

decisions. Students make informed decisions using critical thinking and problem solving skills. Students study a variety of topics: matter, energy, atomic structure, the periodic table, gasses, bonding, nuclear reactions, solutions, acids and bases, chemical and physical changes and chemical reactions. Students study chemistry as a part of life and how it relates to other processes. This course is for those college-bound students preparing for non-science-related careers. This is a two-semester course.

**HONORS CHEMISTRY** 0336A/0336B  
Grade Placement: 10 | Prerequisite: Biology and Algebra I | Recommended: Geometry and Algebra II (concurrently) | Credit: 1.0

In this course students conduct laboratory investigations and fieldwork. Mathematical applications are stressed. Students study various topics: structure of matter, energy changes, reaction types, atomic structure, acids, bases, and salts, chemical and physical changes, gas laws, solutions, bonding, kinetics and equilibrium. Teaching strategies prepare students for AP Chemistry. This is a weighted, two semester course.

**AP CHEMISTRY 2** 0332A/0332B  
Grade Placement: 11, 12 | Prerequisite: Biology, Chemistry, and Pre-Calculus (can be taken concurrently) | Credit: 1.0

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. AP Chemistry differs qualitatively from Chemistry I with respect to the topics covered, the emphasis on chemical calculations, and the mathematical formulation of principles. All AP Chemistry students will have the opportunity to take the AP exam in May. This is a weighted, two semester course.

**FOOD SCIENCE** 1656A/1656B  
Grade Placement: 11, 12 | Prerequisite: Biology, Chemistry or IPC, plus one other science course | Credit: 1.0

This course will count as a 4th year science credit  
If you have an interest in food or cooking, Food Science is the class for you! We take a Mythbusters, Alton Brown, and How It Works approach to our everyday foods. In Food Science, we use chemistry, biology and physics to determine the reactions, preservation, and safety measures taken both at home and in the food production industry. Food Science is the what, how, and why behind what we eat, how we eat it, and why it is consumed. In this class, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. We prove that, sometimes, it is okay to play with your food, if it is all in the name of Science. *This course meets graduation requirements for a Science credit.*

**FORENSIC SCIENCE** 1573A/1573B  
Grade Placement: 11, 12 | Prerequisite: Biology, Chemistry or IPC, plus one other science course | Credit: 1.0

This course will count as a 4th year science credit. Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science.

**INTEGRATED PHYSICS & CHEMISTRY (IPC)** 0310A/0310B  
Grade Placement: 10, 11, 12, (9 with counselor permission) | Prerequisite: None | Credit: 1.0

Integrated Physics and Chemistry is a laboratory course consisting mainly of studies in elementary chemistry and physics. This course is designed to provide a good foundation for basic scientific knowledge and skills and is needed for future work in the more advanced courses of biology, chemistry, and physics. **\*\*Must be successfully completed prior to taking chemistry or physics.** This is a two-semester course.

**PATHOPHYSIOLOGY** 12083A/12083B  
Grade Placement: 11, 12 | Prerequisite: Biology and Chemistry | Credit: 1.0

The Pathophysiology course is designed for students to conduct

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laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable. Note: This course satisfies a science credit requirement for students on the Foundation High School Program. This is a two-semester course.

**PHYSICS** **0350A/0350B**  
**Grade Placement: 11, 12 | Prerequisite: Biology and Algebra II (can be taken concurrently) | Credit: 1.0**

In this course students study a variety of topics that include the laws of motion, changes within physical systems, conservation of energy and momentum, force, thermodynamics, characteristics and behavior of waves, and quantum physics. This course provides students with conceptual framework, factual knowledge, and analytical and scientific skills. This course is for college-bound students preparing for non-science-related careers. This is a two-semester course.

**HONORS PHYSICS** **COURSE CODE**  
**Grade Placement: 11, 12 | Prerequisite: Biology and Algebra II (can be taken concurrently) | Credit: 1.0**

Honors Physics is a rigorous, in-depth study of the fundamental principles governing the physical world. This course covers advanced topics in mechanics, thermodynamics, electromagnetism, optics, and modern physics, with an emphasis on problem-solving and critical thinking. Students will explore complex concepts through laboratory experiments, mathematical modeling, and real-world applications. Honors Physics prepares students for advanced courses like AP Physics and college-level science, fostering analytical skills and scientific inquiry. Evaluation is based on class participation, laboratory work, projects, and assessments.

**ENGINEERING SCIENCE** **12105A/12105B**  
**Grade Placement: 11, 12 | Prerequisite: Biology and Algebra I | Credit: 0.5**

This course looks at the use of technology, math and scientific ideas throughout the entire engineering process. This hands-on course has students working on a variety of engineering projects including work with simple machines, bridge design, programming, statistical analysis, and robotics.

**AP PHYSICS 1** **0353A/0353B**  
**Grade Placement: 10, 11, 12 | Prerequisite: Biology and Algebra II | Recommended Pre-Calculus concurrently | Credit: 1.0**

This course is equivalent to a first-semester college course in algebra-based physics. This is an appropriate first physics course for students who are preparing for a career in medicine, engineering, or a related scientific field. This course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; mechanical waves and sound and introduces electric circuits.

**AP PHYSICS 2** **0352A/0352B**  
**Grade Placement: 11, 12 | Prerequisite: Biology, Algebra II, Physics I AP | Credit: 1.0**

This course is equivalent to a second-semester college course in algebra-based physics. This is an appropriate second physics course for students who are preparing for a career in medicine. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, atomic and nuclear physics.

**ENVIRONMENTAL SYSTEMS** **0340A/0340B**  
**Grade Placement: 11, 12 | Prerequisite: Biology | Credit: 1.0**

In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments. This is a

two-semester course.

**AP ENVIRONMENTAL SCIENCE** **04005A/04005B**  
**Grade Placement: 11, 12 | Prerequisite: Biology and Chemistry or Physics | Credit: 1.0**

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics facing our society today, including climate change, overpopulation, feeding the world, and pollution. This study will equip students for the changing political and economic world they will face. This is a weighted, two semester course.

**DUAL CREDIT ANATOMY AND PHYSIOLOGY (BIOL 2401/2402)** **20063A/20063B**  
**Grade Placement: 11, 12 | Prerequisite: Bio 1406/7 or Bio 1408/9 | Credit: 1.0**

Anatomy and Physiology I is the first part of a two course sequence. It is a study of the structure and function of the human body including cells, tissues, and organs of the following systems: integumentary, skeletal, muscular, nervous, and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

Anatomy and Physiology II is the second part of a two-course sequence. It is the study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

**DUAL CREDIT BIOLOGY FOR SCIENCE MAJORS I (BIOL 1406)** **20004A**  
**Grade Placement: 11, 12 | Prerequisite: Biology and Algebra I | Credit: 0.5**

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included.

**DUAL CREDIT BIOLOGY FOR SCIENCE MAJORS II (BIOL 1407)** **20004B**  
**Grade Placement: 11, 12 | Prerequisite: Dual Credit for Science Majors I | Credit: 0.5**

The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals.

**DUAL CREDIT GENERAL BIOLOGY I and II (BIOL 1408/1409)** **20050A/20050B**  
**Grade Placement: 11, 12 | Prerequisite: Biology and Algebra I | Credit: 1.0**

Biology I provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction.

Biology II provides a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology.

**DUAL CREDIT PHYSICS (PHYS 1401)** **20051A**  
**Grade Placement: 11, 12 | Prerequisite: Algebra I, Trigonometry or Pre-calculus | Credit: 0.5**

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving.

Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics,



including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; emphasis will be on problem solving.

**DUAL CREDIT PHYSICS II (PHYS 1402) 20051B**  
**Grade Placement: 11, 12 | Prerequisite: Dual Credit Physics I | Credit: 0.5**

Fundamental principles of physics, using algebra and trigonometry; the principles of applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving.

Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles of applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving.

**ADVANCED ANIMAL SCIENCE (ANSC 1119/1319) 1605TA/1605TB**

**Grade Placement: 11, 12 | Prerequisite: Livestock or Equine Science, Algebra I, Biology, Chemistry, or IPC | Credit: 1.0**

1119-General overview of animal agriculture including beef cattle, dairy cattle, swine, sheep, goats, and horses; major disciplines of animal production including breeding and genetics, nutrition, reproductive physiology and products; use of live animals, physical and virtual models and feedstuffs/equipment to enhance experiential learning approach. Prerequisite: Concurrent enrollment in ANSC 1319.

1319-The scientific study of animal agriculture involving beef cattle, dairy cattle, swine, sheep, goats, and horses. Topics covered will include general management practices, reproduction, nutrition, health, handling, genetic selection, shelter/housing and marketing strategies and procedures. Concurrent enrollment in ANSC 1119.

# Grade 8 - 12 Social Studies Flowchart



**9th Grade**

World Geo.

Honors World Geo.

AP Human Geo.

**10th Grade**

World History

AP World History

Any course below

Any course below

**11th Grade**

US History

Dual Credit History

Dual Credit History

AP US History

**12th Grade**

Govt./ Eco

Dual Credit Govt./ Eco.

Dual Credit Govt./ Eco.

AP Govt./AP Eco.

## Electives

Personal Financial Lit. (12)

Psych. (10 - 12)

Sociology (10 - 12)

AP European History (11-12)

Honors Civic Discourse (11-12)

**On-Level Courses**

**Honors Courses**

**College Level Courses**

## SOCIAL STUDIES

Course Name	Credits	Grade Levels	Required Prerequisite
Honors Civic Discourse	1.0	11-12	United States History
Economics/Free Enterprise	0.5	12	None
Government	0.5	12	None
Psychology	0.5	10-12	None
Sociology	0.5	10-12	None
World Geography Studies	1.0	9	None
Honors World Geography	1.0	9	None
World History Studies	1.0	10-12	None
United States History	1.0	11	None
AP Economics/Free Enterprise	0.5	12	None
AP European History	1.0	11-12	None
AP Human Geography	1.0	9	None
AP Government	0.5	12	None
AP United States History	1.0	11	None
AP World History	1.0	10-12	None
Personal Financial Literacy	0.5	12	None
Dual Credit Economics	0.5	11-12	N/A
Dual Credit Government	0.5	11-12	N/A
Dual Credit Psychology	0.5	10-12	N/A
Dual Credit Sociology	0.5	10-12	N/A
Dual Credit United States History	1.0	10-11	N/A

**HONORS CIVIC DISCOURSE** **0435A/0435B**  
**Grade Placement: 11-12 | Prerequisite: US History | Credit: 1.0**  
 This course is designed to equip students with the knowledge and skills necessary to be productive citizens in both their private and public lives. Students will learn essential communication and collaboration skills and apply these newfound skills to conversations on stimulating topics such as politics, morality, religion, and culture. Students who complete this course will have developed a strong understanding of the need for strong civic discourse and a toolkit for how to effectively practice it.

**ECONOMICS/FREE ENTERPRISE** **0400X**  
**Grade Placement: 12 | Prerequisite: None | Credit: 0.5**  
 This course will focus on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy. Students apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issues.

**GOVERNMENT** **0440X**  
**Grade Placement: 12 | Prerequisite: None | Credit: 0.5**  
 In this course, students will examine the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created.

**PSYCHOLOGY** **0457X**  
**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 0.5**  
 This course is an introductory survey of Psychology. The course will focus on key conceptual areas for understanding human behavior that include biological, cognitive, development, social and personality, and mental and physical health. After a brief history of psychology, intricate parts of the personality are studied: the developmental years, motivation, emotions, frustration, conflict, stress, normal and abnormal behavior, and treatment for the psychologically disturbed.

**SOCIOLOGY** **0453X**  
**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 0.5**  
 Sociology is a course designed for those students who desire a better understanding of themselves and the culture in which they live. This course will apply sociological perspectives, theories, and concepts to the analysis of social issues. Students will analyze and assess the ways in which people influence social structures and processes and examine the role played by collective behaviors, the impact of social forces and structures on people's lives. This course will help students analyze how race and ethnicity, social class, gender, and other social identities and group relations affect people's lives and shape social structures.

**WORLD GEOGRAPHY STUDIES** **0430A/0430B**  
**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**  
 World Geography Studies is designed to give students perspectives about their own culture and physical environment in relation to other places, cultures, and societies. These fundamental insights prepare students for daily interaction in a broad range of economic, political, and social issues. A significant portion of the course centers around the physical processes, the characteristics of major landforms, climates and ecosystems that shape cultural patterns by region, types of settlement and the distribution of movement of the world population. The primary goals of the course are to help students think critically, form

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independent judgments, and develop competencies for effective citizenship in a global community.

**HONORS WORLD GEOGRAPHY 0431A/0431B**

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**

Honors World Geography Studies is designed to give students perspectives about their own culture and physical environment in relationship to other places, cultures, and societies. These fundamental insights prepare students for daily interaction in a broad range of economic, political, and social issues. The primary goals of the course are to reinforce and refine basic geographic concepts and skills, help students think critically, form independent judgments, and develop competencies for effective citizenship in a global community, while preparing students for Advanced Placement courses. Students will be expected to research and report on that research in a variety of formats. Critical thinking and analysis skills will be stressed.

**WORLD HISTORY STUDIES 0422A/0422B**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0**

This course is a survey of the history and development of various cultures and civilizations from all geographical areas of the world. The student will understand traditional history points of reference and how the present relates to the past through the study of people and their reaction to the social, economic, religious, political, and geographical aspects of their world.

Students will compare and contrast various civilizations and periods in view of major historical themes and characteristics of each civilization.

**UNITED STATES HISTORY 0410A/0410B**

**Grade Placement: 11 | Prerequisite: None | Credit: 1.0**

**The state requires an EOC assessment at the end of this course.**

This course presents the historical study of the geographical, political, social, and economic development of the United States from the Reconstruction era to the present. Students will gain an understanding of traditional and contemporary history with an emphasis placed on leaders, issues, events, and U.S. policies. The study traces the emergence of the United States as a world power and its position as leader of democratic nations. A study of contemporary U.S. and world affairs is an essential element of the course.

**AP ECONOMICS/FREE ENTERPRISE 0401X**

**Grade Placement: 12 | Prerequisite: None | Credit: 0.5**

In this course, students will explore the principles of economics that apply to an economic system as a whole. Students will use graphs, charts, and data to analyze, describe, and explain economic concepts. Critical thinking, organizational, independent reading and writing skills are essential as students will be required to examine economic concepts, weigh relevant decisions and produce an informed persuasive opinion in multiple writing formats. Students selecting this course should have strong reading, writing and critical thinking skills. With a satisfactory score on the AP exam, students may receive college credit as well as high school credit. AP Economics students will have the opportunity to take the AP exam in May.

**AP EUROPEAN HISTORY 0433A/0433B**

**Grade Placement: 11, 12 | Prerequisite: None | Credit: 1.0**

In this course, students will study the cultural, economic, political, and social developments that have shaped Europe from c. 1450 to the present. Students will be expected to analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. Critical thinking, organizational, independent reading and writing skills are essential as students will be required to examine historical evidence, weigh relevant decisions and produce an informed persuasive opinion in multiple writing formats. Students selecting this course should have strong reading, writing and critical thinking skills. With a satisfactory score on the AP exam, students may receive college credit as well as high school credit. AP European History students will have the opportunity to take the AP exam in May.

**AP HUMAN GEOGRAPHY 05011A/05011B**

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the

earth's surface. Students employ spatial concepts and landscape analysis to examine socio economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. COURSE NOTE: Students will have the opportunity to take the AP exam in May. There is a fee associated with the exam.

**AP GOVERNMENT 0441X**

**Grade Placement: 12 | Prerequisite: None | Credit: 0.5**

In this course, students will study the key concepts and institutions of the political system and culture of the United States. This study requires a student to learn facts and concepts, understand the political processes, and use information critically to evaluate general propositions of the United States Government. Critical thinking, organizational, independent reading and writing skills are essential as students will be required to examine government concepts, weigh relevant decisions and produce an informed persuasive opinion in multiple writing formats. Students selecting this course should have strong reading, writing and critical thinking skills. With a satisfactory score on the AP exam, students may receive college credit as well as high school credit. AP Government students will have the opportunity to take the AP exam in May

**AP UNITED STATES HISTORY 0411A/0411B**

**Grade Placement: 11 | Prerequisite: None | Credit: 1.0**

**The state requires an EOC assessment at the end of this course.**

In this course, students will study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. This course focuses on the knowledge and analytical skills required to critically analyze and interpret events as students gain an understanding of selected topics and chronological periods from pre-Columbian to Modern Eras of United States history. Critical thinking, organizational, independent reading and writing skills are essential as students will be required to examine historical evidence, weigh relevant decisions and produce an informed persuasive opinion in multiple writing formats. Students selecting this course should have strong reading, writing and critical thinking skills. With successful completion of the Advanced Placement exam, students may receive college credit as well as high school credit. AP U. S. History students will have the opportunity to take the AP exam in May.

**AP WORLD HISTORY 0428A/0428B**

**Grade Placement: 10 | Prerequisite: None | Credit: 1.0**

In this course, students investigate significant events, individuals, developments, and processes from 1200 CE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

**PERSONAL FINANCIAL LITERACY 05005X**

**Grade Placement: 12 | Prerequisite: None | Credit: 0.5**

In this course, students will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The knowledge gained in this course has far-reaching effects for students personally as well as the economy as a whole. When citizens make wise financial decisions, they gain opportunities to invest in themselves, build businesses, consume goods and services in a responsible way, and secure a future without depending on outside assistance. The economy benefits from the optimal use of resources, increased consumption, and strong local businesses. State and local governments benefit with steady revenue streams and reduced future obligations as our society ages. This course can take the place of the Economics course required for graduation.



**DUAL CREDIT ECONOMICS (ECON 2301) 20022X**

**Grade Placement: 11, 12 | Prerequisite: None | Credit: 0.5**

A survey of microeconomic and macroeconomic principles for Non-business majors. Microeconomic topics will include supply and demand, consumer behavior, price and output decisions by firms under various market structures, factor markets, market failures, international trade, and exchange rates. Macroeconomic topics will include national income, unemployment, inflation, business cycles, aggregate supply and demand, monetary and fiscal policy, and economic growth.

**DUAL CREDIT GOVERNMENT (GOVT 2305) 20007X**

**Grade Placement: 11, 12 | Prerequisite: None | Credit: 0.5**

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

**DUAL CREDIT PSYCHOLOGY (PSYC 2301) 20009X**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 0.5**

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.

**DUAL CREDIT SOCIOLOGY (SOCI 1301) 20023X**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 0.5**

The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance.

**DUAL CREDIT UNITED STATES HISTORY (HIST 1301/1302) 20020A/20020B**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0**

A survey of the social, political, economic, cultural, and intellectual history of the United from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.

## LANGUAGES OTHER THAN ENGLISH (LOTE)

Course Name	Credits	Grade Levels	Required Prerequisites
American Sign Language I	1.0	10-12	None
American Sign Language II	1.0	11-12	American Sign Language I
American Sign Language III	1.0	12	American Sign Language II
Spanish I	1.0	9-12	None
Honors Spanish I	1.0	9-11	None
Spanish II	1.0	9-12	Spanish I or Honors Spanish I
Honors Spanish II	1.0	9-12	Honors Spanish I
Honors Spanish III	1.0	10-12	Spanish II or Honors Spanish II
Spanish IV AP	1.0	11-12	Honors Spanish III
Spanish V AP	1.0	10-12	Spanish IV AP

**AMERICAN SIGN LANGUAGE I** **0480A/0480B**  
**Grade Placement:** 10, 11, 12 | **Prerequisite:** None | **Credit:** 1.0  
 Students will discover why American Sign Language (ASL) is recognized as a true human language, fully distinct from spoken English, with its own literature and culture. ASL I will study the unique modality of the hearing impaired while promoting tolerance and sensitivity toward those who face special challenges.

**AMERICAN SIGN LANGUAGE II** **0481A/0481B**  
**Grade Placement:** 11, 12 | **Prerequisite:** American Sign Language I | **Credit:** 1.0  
 This course is a continuation of ASL I. Students will increase their vocabulary and their expressive and receptive signing skills. They will learn more about deaf culture, humor, stories, drama, and song.

**AMERICAN SIGN LANGUAGE III** **0482A/0482B**  
**Grade Placement:** 12 | **Prerequisite:** American Sign Language II | **Credit:** 1.0  
 This is a continuation of ASL II. Emphasis is on conversation with expansion of vocabulary and finger-spelling comprehension. Exploration continues into the culture and history of American Sign Language and the deaf community.

**SPANISH I** **0490A/0490B**  
**Grade Placement:** 9, 10, 11, 12 | **Prerequisite:** None | **Credit:** 1.0  
 This course is designed to introduce students to Spanish conversation. In addition to learning to speak and write basic sentence structures, students will also learn various social and cultural aspects of Spanish speaking people including songs, typical Spanish games, and cultural facts.

**HONORS SPANISH I** **09101A/09101B**  
**Grade Placement:** 9, 10, 11 | **Prerequisite:** None | **Credit:** 1.0  
 This course is for students who have some grammar school experience in Spanish or who have knowledge of Spanish because of their home environment. Students in this class cover oral, grammatical and written material at an advanced level. Students will improve their level of proficiency and will be able to enjoy the target language.

**SPANISH II** **0491A/0491B**  
**Grade Placement:** 9, 10, 11, 12 | **Prerequisite:** Spanish I or Spanish I Honors | **Credit:** 1.0  
 This course is designed to increase the student's knowledge of Spanish. During this course, speaking, reading, and writing proficiency increases with practice of communication skills. Students are introduced to Hispanic literature and culture.

**HONORS SPANISH II** **0498A/0498B**  
**Grade Placement:** 9, 10, 11, 12 | **Prerequisite:** Spanish I Honors | **Credit:** 1.0  
 This course is designed to increase the student's knowledge of Spanish. During this course, speaking, reading, and writing proficiency increases with practice of communication skills and includes an increased emphasis of present, past and imperfect tenses. Students are introduced to Hispanic literature and culture from different Hispanic countries

**HONORS SPANISH III** **0492A/0492B**  
**Grade Placement:** 10, 11, 12 | **Prerequisite:** Spanish II or Spanish II Honors | **Credit:** 1.0  
 This course is a continuation of the study of Spanish grammar and composition with an introduction to Spanish literary works. Emphasis is also placed on improving oral skills.

**SPANISH IV AP** **0493A/0493B**  
**Grade Placement:** 9, 10, 11, 12 | **Prerequisite:** Spanish III Honors | **Credit:** 1.0  
 In this course emphasis is placed on listening, speaking, reading, and writing skills. Development of these skills leads to college-level testing for college credit or placement. The course description and exit examination are provided by the Advanced Placement Program of the College Board.

**SPANISH V AP** **09501A/09501B**  
**Grade Placement:** 11, 12 | **Prerequisite:** Spanish IV AP | **Credit:** 1.0  
 Advanced Placement Spanish 5

**Career & Technical Education (CTE)** courses are designed to prepare students with professional and technical skills necessary to succeed in today's high-demand occupational environment. Students have the opportunity to utilize their academic skills in the following career fields:

- ❖ *Accounting and Financial Services*
- ❖ *Animal Science*
- ❖ *Applied Agricultural Engineering*
- ❖ *Architectural Design*
- ❖ *Automotive*
- ❖ *Business Management*
- ❖ *Construction*
- ❖ *Cosmetology*
- ❖ *Culinary Arts*
- ❖ *Cybersecurity*
- ❖ *Design and Multimedia Arts*
- ❖ *Digital Communications*
- ❖ *Electrical*
- ❖ *Emergency Services*
- ❖ *Engineering*
- ❖ *Entrepreneurship*
- ❖ *Family and Community Services*
- ❖ *Healthcare Therapeutic*
- ❖ *Law Enforcement*
- ❖ *Marketing and Sales*
- ❖ *Plant Science*
- ❖ *Plumbing and Pipe Fitting*
- ❖ *Programming and Software Development*
- ❖ *Teaching and Training*
- ❖ *Welding*

Career & Technical Student Organizations (CTSOs) are available to all students who are enrolled in a CTE Course. Participation is encouraged.

## Business & Industry Endorsement Pathways Leading to Certification

An endorsement requires four or more credits in one career cluster, with two of the courses in the same pathway and one advanced course from the pathway.

National Career Cluster	Pathway/ Program of Study	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	Certification Opportunities
<b>Agriculture, Food &amp; Natural Resources</b>	Animal Science	Principles of Agriculture, Food & Natural Resources (1 credit) or Small Animal Management or Equine Science (0.5 credit each)	Livestock Production (1 credit)	Livestock Production (1 credit) and/or Advanced Animal Science (1 credit) and/or Veterinary Medical Applications (1 credit)	Veterinary Medical Applications (1 credit) and/or Practicum of Agriculture (2 credits-teacher approval) or Project Based Research (1 credit - teacher approval)	<b>Certified Veterinary Assistant</b>  <b>Equine Management &amp; Evaluation Certification</b>  <b>Small Animal Science &amp; Technology</b>
	Applied Agricultural Engineering	Ag Mechanics and Metal Technologies (1 credit) or Principles of Agriculture, Food & Natural Resources (1 credit)	Ag Mechanics and Metal Technologies (1 credit)	Ag Structures Design & Fabrication or Ag Equipment Design (2 credits)	Practicum in Agriculture (2 credits-teacher approval) or Project Based Research (1 credit - teacher approval)	<b>AWS D1.1 Structural Steel</b>  <b>AWS D9.1 Sheet Metal Welding</b>
	Plant Sciences	Principles of Agriculture, Food & Natural Resources (1 credit)	Floral Design (1 credit) or Horticultural Science (1 credit)	Advanced Floral Design (1 credit) or Advanced Plant and Soil Science (1 credit)	Practicum in Agriculture (2 credits-teacher approval) or Project Based Research (1 credit - teacher approval)	<b>Texas Knowledge Based Floral Certification</b>  <b>Texas Floral Level 1 Certification</b>
<b>Architecture &amp; Construction</b>	Architectural Design	Principles of Architecture (1 credit)	Architectural Design 1 (1 credit) or Interior Design 1 (1 credit)	Interior Design II (2 credits) or Civil Engineering and Architecture (PLTW) (1 Credit)	Practicum in Architectural Design (2 credits)	<b>Autodesk Associate (Certified user) REVIT Architecture</b>
	Construction	Principles of Architecture (1 credit) or Principles of Construction (1 credit)	Construction Technology I (2 credits)	Construction Technology II (2 credits)	Practicum in Construction or Practicum in Entrepreneurship (2 credits)	<b>NCCER Core</b>
	Electrical	Principles of Architecture (1 credit)	Electrical Tech I (1 credit)	Electrical Tech II (2 credits)	Practicum in Construction or Practicum in Entrepreneurship (2 credits)	<b>NCCER Core</b>
	Plumbing & Pipefitting	Principles of Architecture (1 credit)	Plumbing I (1 credit)	Plumbing II (2 credits)	Practicum in Construction or Practicum in Entrepreneurship (2 credits)	<b>NCCER Core</b>
<b>Animation, Arts, Audio Video Technology &amp; Communications</b>	Design & Multimedia Arts	Principles of Audio/Video Production (1 credit)	Graphic Design I (1 credit) or Animation I (1 credit) or Commercial Photography I (1 credit)	Graphic Design II (1 credit) or Animation II (1 credits) or Commercial Photography II (1 credits)	Practicum in Graphic Design or Practicum in Animation or Practicum in Photography or Practicum in Entrepreneurship (2 credits)	<b>Adobe Certified Professional Photoshop</b>  <b>Adobe Certified Professional Premiere Pro</b>
	Digital Communications	Principles of Audio/Video Production (1 credit)	Audio Video Production I (1 credit)	Audio Video Production II (1 credits)	Practicum in Audio Video Production or Practicum in Entrepreneurship (2 credits)	<b>Adobe Certified Professional in Visual Design Using Photoshop</b>

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<b>National Career Cluster</b>	<b>Pathway/ Program of Study</b>	<b>9<sup>th</sup></b>	<b>10<sup>th</sup></b>	<b>11<sup>th</sup></b>	<b>12<sup>th</sup></b>	<b>Certification Opportunities</b>
<b>Business, Marketing &amp; Finance</b>	Accounting and Financial Services	Principles of Business, Marketing & Finance (1 credit) or Business Information Management I (1 credit)	Accounting I (1 credit)	Accounting II (1 credit) or Financial Math (1 credit)	Practicum in Business or Practicum in Entrepreneurship (2 credits)	<b>Quickbooks</b> <b>Microsoft Office Specialist: Microsoft Excel Expert</b>
	Business Management	Principles of Business, Marketing & Finance (1 credit) or Business Information Management I (1 credit)	Business Information Management I (1 credit)	Business Information Management II (1 credit)	Practicum in Business or Practicum in Entrepreneurship (2 credits)	<b>Microsoft Office Specialist: Microsoft Excel Expert</b> <b>Microsoft Office Specialist: Microsoft Word Expert</b>
	Marketing & Sales	Principles of Business, Marketing & Finance (1 credit)	Sports Entertainment Marketing (0.5 credit) and Social Media Marketing (0.5 credit)	Practicum in Marketing or Practicum in Entrepreneurship (2 credits)		<b>Entrepreneurship &amp; Small Business</b>
	Entrepreneurship	PBMF or Business Information Management (1 credit)	Entrepreneurship (1 credit)	Practicum in Business or Practicum in Entrepreneurship (2 credits)		<b>Entrepreneurship &amp; Small Business</b>
<b>Hospitality &amp; Tourism</b>	Culinary Arts	Introduction to Culinary Arts (1 credit)	Culinary Arts I (2 credits)	Culinary Arts II (2 credits)	Practicum in Culinary Arts (2 credits) or Food Science (1 credit)	<b>Food Handlers</b> <b>ServSafe Manager</b> <b>Certified Fundamentals Cook</b>
<b>Manufacturing</b>	Welding	Intro to Welding (1 credit)	Welding I (2 credits)	Welding II (2 credits)	Practicum in Manufacturing or Practicum in Entrepreneurship (2 credits)	<b>AWS SENSE Welding Level 1</b> <b>AWS D1.1 Structural Steel</b> <b>AWS D9.1 Sheet Metal Welding</b>
<b>Transportation, Distribution &amp; Logistics</b>	Automotive	Automotive Basics (1 credit)	Automotive I (2 credits)	Automotive II (2 credits)	Practicum in Transportation or Practicum in Entrepreneurship (2 credits)	<b>ASE -Engine Performance</b> <b>-Suspension &amp; Steering</b> <b>-Maintenance Light Repair</b> <b>-Automobile Brakes</b> <b>-Manual Drive Train</b>

<b>Public Service Endorsement Pathways Leading to Certification</b>						
<b>National Career Cluster</b>	<b>Pathway/ Program of Study</b>	<b>9<sup>th</sup></b>	<b>10<sup>th</sup></b>	<b>11<sup>th</sup></b>	<b>12<sup>th</sup></b>	<b>Certification Opportunities</b>
<b>Human Services</b>	Cosmetology	Introduction to Cosmetology (1 credit)	Principles of Cosmetology Design and Color Theory (1 credit)	Cosmetology I (3 credits)	Cosmetology II (3 credits)	<b>Cosmetology Operator License</b> <b>Barber Operator License</b>
	Family and Community Services	Principles of Human Services (1 credit)	Child Development (1 credit)	Family and Community Services (1 credit) or Counseling and Mental Health (1 credit)	Practicum in Human Services or Practicum in Entrepreneurship (2 credits)	<b>Community &amp; Health Worker Certification</b>
<b>Law &amp; Public Service</b>	Law Enforcement	Principles of Law Enforcement (1 credit)	Law Enforcement I (1 credit)	Law Enforcement II or Forensic Science or Correctional Services (1 credit) or Counseling & Mental Health (1 credit)	Practicum in Law Enforcement (2 credits) or Practicum in Law Enforcement -EMT (2 credits)	<b>Non-Commissioned Security Officer Level II</b>
<b>Health Science</b>	Healthcare Therapeutic	Principles of Health Science (1 credit) and/or Principles of Exercise Science & Health (1 credit)	Medical Terminology (1 credit) and/or Kinesiology I (1 credit)	Anatomy & Physiology (1 credit) or Health Science Theory (2 credits)	Pathophysiology (1 credit) or Practicum in Health Science -PCT -RDA -Pharm Tech (2 credits)	<b>Certified Patient Care Technician</b> <b>Pharmacy Technician</b> <b>Registered Dental Assistant X-Ray</b>
<b>Education &amp; Training</b>	Teaching & Training	Principles of Human Services (1 credit)	Child Development (1 credit)	Teacher Intern 1 (Instructional Practices) (2 credits)	Teacher Intern II (Practicum of Education) (2 credits)	<b>Educational Aide 1</b>

### **Science, Technology, Engineering & Math Endorsements Pathways Leading to Certification**

<b>National Career Cluster</b>	<b>Pathway/ Program of Study</b>	<b>9<sup>th</sup></b>	<b>10<sup>th</sup></b>	<b>11<sup>th</sup></b>	<b>12<sup>th</sup></b>	<b>Certification Opportunities</b>
<b>Engineering Foundations</b>	Engineering	PLTW Introduction to Engineering Design (1 credit)	PLTW Engineering Science (Principles of Engineering) Engineering Design I (1 credit)	Civil Engineering and Architecture (PLTW) (1 Credit) or Aerospace Engineering (2 credits) or Digital Electronics (1 credit)	Practicum in STEM or Scientific Research & Design (1-2 credits)	<b>Autodesk Associate (Certified User) Inventor for Mechanical Design</b>
	Cybersecurity	Foundations of Cyber Security (1 credit)	Networking/Lab (1 credit) & Computer Science I DC (1 credit)	Internetworking I & Computer Science II DC (1 credit)	Cybersecurity Capstone (2-3 credits)	<b>Cybersecurity Fundamentals</b>
<b>Information Technology</b>	Programming & Software Development	PLTW Introduction to Engineering Design (1 credit)	Honors Computer Science I (1 credit) or AP Computer Science Principles (1 Credit)	AP Computer Science II (1 credit)	Practicum in STEM or Practicum in Entrepreneurship (2 credits)	<b>Information Technology Specialist - JAVA</b>



## BUSINESS & INDUSTRY ENDORSEMENTS PATHWAYS

### AGRICULTURE, FOOD & NATURAL RESOURCES

#### PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES 1600A/1600B

Grade Placement: 9 | Prerequisite: None | Credit: 1.0

This course introduces students to the National FFA Organization by explaining the history and opportunities offered in the Agriculture field. Discussed in this course will be topics covering leadership skills, the agriculture industry and skills needed to be successful in the agriculture industry. Students taking the class will develop public speaking skills and increase their knowledge of parliamentary procedure. This course is an introduction to global agriculture and includes topics in leadership development, communications, personal finance and mechanized agriculture.

#### SMALL ANIMAL MANAGEMENT 12065X

Grade Placement: 9, 10, 11, 12 | Prerequisite: None | Credit: 0.5

Students acquire knowledge and skills related to small animals and the small animal management industry. The course may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds.

#### EQUINE SCIENCE 1603X

Grade Placement: 9 (must have taken Principles of AFNR in 8th Grade) 10, 11, 12 | Prerequisite: None | Credit: 0.5

Develop knowledge and skills pertaining to the selection, nutrition, reproduction, health and management of horses. This course is recommended for those that have an interest in the Veterinary Science field.

#### LIVESTOCK PRODUCTION 1602A/1602B

Grade Placement: 9 (must have taken Principles of AFNR in 8th Grade) 10, 11, 12 | Prerequisite: None | Credit: 1.0

This course introduces the common veterinary skills and procedures used on livestock, anatomy of livestock, genetics and reproduction, and diseases that can affect all livestock animals. This course is recommended for those that have an interest in the Veterinary ScienceA field.

#### ADVANCED ANIMAL SCIENCE 1605A/1605B

Grade Placement: 11, 12 | Prerequisite: In addition to credit for Livestock or Equine Science, students must also have credit for Algebra I, Biology, and Chemistry or IPC before taking this course | Credit: 1.0

This course examines the interrelatedness of human, scientific and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. Develop and investigate the scientific and technological dimensions of scientific animal agriculture, genetics, and reproduction, anatomy and physiology of various livestock species, nutritional requirements and disease and parasites of livestock. *This course meets graduation requirements for a Science credit.*

#### VETERINARY MEDICAL APPLICATIONS 1604A/1604B

Grade Placement: 11, 12 | Prerequisite: Equine Science, Small Animal Management or Livestock Production | Credit: 1.0

This course provides training in the unlicensed veterinary assist field. The course includes, but is not limited to, animal handling and restraint, health and safety, sanitation, surgical preparation, anatomy, physiology, medical terminology, infectious diseases, instrument and equipment identification, vaccine preparation and injection techniques, laws and ethics and veterinary office procedures.

#### PRACTICUM OF AGRICULTURE 12066A/12066B

Grade Placement: 11, 12 | Prerequisite: Minimum of one credit from the Agriculture Cluster | Credit: 2.0

This course gives students supervised practical application of knowledge and skills such as employment, independent study, internships, assistantships, mentorships or laboratories. The practicum course is a paid or unpaid capstone experience for students. (Teacher Approval Required)

#### PROJECT-BASED RESEARCH 12124A/12124B

Grade Placement: 11, 12 | Prerequisite: Minimum of one credit from the Agriculture Cluster | Credit: 1.0 (Teacher Approval)

This course is for students to research a real-world problem.

Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests. Students use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. (Teacher Approval required for this course)

#### AG MECHANICS & METAL TECHNOLOGIES 1609A/1609B

Grade Placement: 9(Only If they Took Principles of AFNR in 8th Grade), 10, 11, 12 | Prerequisite: Principles of Agriculture | Credit: 1.0

This lab course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete and metal working techniques. Students will develop skills in metal equipment construction and joining processes. Emphasis will be placed on the use of stick welders, wire feed welders and oxygen-acetylene torches.

#### AG STRUCTURES DESIGN & FABRICATION 12103A/12103B

Grade Placement: 11, 12 | Prerequisite: Ag Mechanics and Metal Technologies | Credit: 2.0

This lab course prepares for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements and industry expectations. To prepare for success, students reinforce, apply and transfer their academic knowledge and technical skills in a variety of settings.

#### AG EQUIPMENT DESIGN & FABRICATION 12104A/12104B

Grade Placement: 11, 12 | Prerequisite: Ag Mechanics and Metal Technologies | Credit: 2.0

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.

#### HORTICULTURAL SCIENCE 1599A/1599B

Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0

This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

#### ADVANCED PLANT & SOIL 12123A/12123B

Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0

This course provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace. *This course meets graduation requirements for a Science credit*

#### FLORAL DESIGN 1608A/1608B

Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0

This course exposes students to the basic techniques of floral design. This class is project based with many large and small projects used to evaluate the progress of the student. There are lots of hands-on activities to involve the students in techniques required in the floral industry. This course is designed to develop students' ability to understand the management of floral enterprises. *This course meets graduation requirements for a fine arts credit.*

#### ADVANCED FLORAL DESIGN 12099A/12099B

Grade Placement: 11, 12 | Prerequisite: Floral Design | Credit: 1.0

In this course, students learn more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. Students are provided with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to

evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

## **ARCHITECTURE & CONSTRUCTION**

### **PRINCIPLES OF ARCHITECTURE 12088A/12088B**

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**

This course provides an overview of the various fields of architecture, interior design, and construction management.

Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Classroom studies include topics such as safety, work ethics, communication, information technology applications, systems, health, environment, leadership, teamwork, ethical and legal responsibility, employability, and career development.

### **PRINCIPLES OF CONSTRUCTION 12116A/12116B**

**Grade Placement: 10, 11 (Only if they did not have Principles of Arch) | Prerequisite: None | Credit: 1.0**

This course is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools.

### **CONSTRUCTION TECHNOLOGY I 12067A/12067B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Construction or Arch | Credit: 2.0**

This course provides the knowledge and skills needed to enter the workforce as a carpenter or building maintenance supervisor or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

### **CONSTRUCTION TECHNOLOGY II 12087A/12087B**

**Grade Placement: 11-12 | Prerequisite: Construction Technology I | Credit: 2.0**

This course provides advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians or supervisors, or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills.

### **PRACTICUM IN CONSTRUCTION 12091A/12091B**

**Grade Placement: 12 | Prerequisite: Construction Technology II | Credit: 2.0**

This course challenges students with the application of gained knowledge and skills from Construction Technology I and II. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.

### **ARCHITECTURAL DESIGN I 1616A/1616B**

**Grade Placement: 10, 11, 12 | Prerequisite: Algebra I, English I | Recommended Prerequisite: Geometry, Principles of Construction | Credit: 1.0**

This course provides the knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. It includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

### **CIVIL ENGINEERING & ARCHITECTURE (PLTW)(1 Credit)**

#### **PENDING APPROVAL 12114A/12114B**

**Grade Placement 11,12 | Prerequisite: None | Credit: 1.0**

This course is a high school level specialization course in the PLTW Engineering Program. Students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured

activities to solving projects and problems that require them to develop planning, documentation, communication, and other professional skills.

### **PRACTICUM IN ARCHITECTURAL DESIGN 12106A/12106B**

**Grade Placement 12 | Prerequisite: Architectural Design II | Credit: 2.0**

This course is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study.

### **INTERIOR DESIGN I 1613A/1613B**

**Grade Placement: 10, 11, 12 | Prerequisite: Algebra I, English I | Recommended Prerequisite: Principles of Construction or Architectural Design I | Credit: 1.0**

This course addresses the needs of individuals by enhancing the environments in which they live and work. Students will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity and prepare for careers in this industry.

### **INTERIOR DESIGN II 12080A/12080B**

**Grade Placement: 11, 12 | Prerequisite: English 2, Geometry, Interior Design I | Credit: 2.0**

This course is a technical laboratory course that includes the application of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior design to meet industry standards.

### **PRACTICUM IN INTERIOR DESIGN 12107A/12107B**

**Grade Placement 12 | Prerequisite: Interior Design II | Credit: 2**

This course is an occupationally specific course designed to provide job-specific skills through laboratory training, job shadowing, or work situations in areas compatible with identified career goals in interior design.

### **ELECTRICAL TECHNOLOGY I 12089A/12089B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Construction | Credit: 1.0**

This course provides knowledge and skills needed to enter the workforce as an electrician or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

### **ELECTRICAL TECHNOLOGY II 12090A/12090B**

**Grade Placement: 11, 12 | Prerequisite: Electrical Technology II | Credit: 2.0**

This course is a continuation of Electrical Technology I and adds alternating current and direct current motors, conductor installation, installation of electrical services and electric lighting installation to the list of knowledge and skills acquired.

### **PLUMBING TECHNOLOGY I 12097A/12097B**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0**

Students gain knowledge and skills needed to enter the industry as a plumbing apprentice, building maintenance technician, or supervisor or prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in industry workplace basics and employer/customer expectations, including how to use a plumbing code book; how to identify and use power and hand tools; how to be safe on the jobsite and when using hand and power tools; how to apply basic plumbing mathematics and plumbing drawing; and how to identify, fit and use plastic, copper, cast iron, carbon steel, and corrugated stainless steel pipe.

### **PLUMBING TECHNOLOGY II 12098A/ 12098B**

**Grade Placement: 11, 12 | Prerequisite: Plumbing Technology I | Credit: 2.0**

Students will gain the knowledge and skills needed to enter the industry as a plumber, building maintenance technician, or supervisor or prepare for a postsecondary degree in mechanical engineering. Students will acquire knowledge and skills in plumbing codes, industry workplace, basics, and employer/customer expectations, including tool and jobsite safety, advanced



plumbing mathematics, commercial drawings, basic electricity, hanger installation, supports and structural generations, roof drains, fixture installation, valves and faucets, and oxy-fuel safety. Students will also learn about setup, cutting, brazing, and welding water system sizing; gas, drain, waste and vent installation and testing; and water heater installation.

### **ANIMATION, ARTS, AUDIO VIDEO TECHNOLOGY & COMMUNICATIONS**

#### **PRINCIPLES OF AUDIO VIDEO PRODUCTION 1619A/1619B**

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**

This course introduces students to the basic knowledge and skills related to the career opportunities and training in the Arts, Audio/ Video Technology and Communications career cluster. This occupation requires a creative aptitude, strong background in computer and technology applications, strong academic foundation and a proficiency in oral and written communication

#### **GRAPHIC DESIGN AND ILLUSTRATION I 1591A/1591B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Audio Video Production | Credit: 1.0**

Students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

#### **GRAPHIC DESIGN AND ILLUSTRATION II 1592A/1592B**

**Grade Placement: 11-12 | Prerequisite: Graphic Design and Illustration I | Credit: 2.0**

This course is a two period class where students build on the knowledge from graphic design and more fully explore the interaction of text and image. Emphasis is placed on page layout and design.

#### **PRACTICUM IN GRAPHIC DESIGN 12072A/12072B**

**Grade Placement: 11, 12 | Prerequisite: Graphic Design II | Credit: 2.0**

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/ Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

#### **COMPUTER ANIMATION I 1621A/1621B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Audio Video Production | Credit: 1.0**

Students will be expected to develop an understanding of the history and techniques of the animation industry.

#### **COMPUTER ANIMATION II 12045A/12045B**

**Grade Placement: 11, 12 | Prerequisite: Animation I | Credit: 2.0**

This course is a two period class where students learn that careers in animation span all aspects of motion graphics. In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/ Video Technology and Communications career cluster, students will be expected to create two and three dimensional animations. The instruction also assists students seeking careers in the animation industry.

#### **PRACTICUM IN ANIMATION 12070A/12070B**

**Grade Placement: 11, 12 | Prerequisite: Animation II | Credit: 2.0**

Building upon the concepts taught in Animation II, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

#### **COMMERCIAL PHOTOGRAPHY I 1637A/1637B**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0**

Students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality

#### **COMMERCIAL PHOTOGRAPHY II 12120A/12120B**

**Grade Placement: 10-12 | Prerequisite: Commercial Photography I | Credit: 1.0**

This course develops advanced technical knowledge and skills needed in the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

### **PRACTICUM IN COMMERCIAL PHOTOGRAPHY**

**12092A/12092B**

**Grade Placement: 11, 12 | Prerequisite: Commercial Photography II | Credit: 2.0**

In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/ Video Technology, and Communications Career Cluster, students will focus on working in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

#### **AUDIO VIDEO PRODUCTION I**

**1623A/1623B**

**Grade Placement: 10, 11, 12 | Prerequisite: Principles of Audio Video Production | Credit: 1.0**

Students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities including working at high school events.

#### **AUDIO VIDEO PRODUCTION II**

**12121A/12121B**

**Grade Placement: 11, 12 | Prerequisite: Principles of Audio Video Production II | Credit: 1.0**

Building upon the concepts taught in Audio/ Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/ Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This class will also do the Roos News Network.

#### **PRACTICUM IN AUDIO/VIDEO PRODUCTION 12071A/12071B**

**Grade Placement: 11, 12 | Prerequisite: Principles of Audio Video Production II | Credit: 2.0**

Students will be expected to develop an increasing understanding of the industry with a focus on applying pre- production, production and post-production audio and Video products in a professional environment.

### **BUSINESS, MARKETING, & FINANCE**

#### **PRINCIPLES OF BUSINESS, MARKETING & FINANCE**

**1625A/1625B**

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**

In this course, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

#### **BUSINESS INFORMATION MANAGEMENT I 1626A/1626B**

**Grade Placement: 9, 10, 11, 12 | Prerequisite: None | Credit: 1.0**

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

#### **BUSINESS INFORMATION MANAGEMENT II 1627A/1627B**

**Grade Placement: 10, 11, 12 | Prerequisite: Business Information Management I | Credit: 1.0**

Building upon information learned in Business Information Management I, students apply technical skills in creating complex word-processing documents, sophisticated spreadsheets using charts and graphs, and integrating multimedia software in electronic presentations.

#### **PRACTICUM IN BUSINESS MANAGEMENT 12073A/12073B**

**Grade Placement: 11-12 | Prerequisite: Minimum of one credit from the Business cluster | Credit: 2.0**

Designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in an unpaid arrangement of 10 or more hours and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society

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and to make a successful transition to the workforce or post-secondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international and social and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical and international dimensions of business to make appropriate business decisions. Students must provide their own transportation.

**SPORTS & ENTERTAINMENT MARKETING 1679X**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Business, Marketing & Finance | Credit: 0.5**

This course provides students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will provide students an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans and evaluation and management techniques.

**SOCIAL MEDIA MARKETING 1680X**

**Grade Placement: 10, 11, 12 | Prerequisite: Principles of Business, Marketing & Finance | Credit: 0.5**

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

**ENTREPRENEURSHIP 1587A/1587B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Business, Marketing & Finance | Credit: 1.0**

This course, students gain the knowledge and skills needed to become an entrepreneur. Students learn the principles necessary to begin and operate a business. The focus of the course is to understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students will understand the capital required, the return on investment desired, and the potential for profit.

**PRACTICUM OF ENTREPRENEURSHIP 12109A/1209B**

**Grade Placement: 11, 12 | Recommended Prerequisite: None | Credit: 2.0**

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster, build on and apply the knowledge and skills gained from courses taken in an array of career areas. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of the student's need for work-based learning experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. It is recommended that students are paired with local business owners or employers in their specific industry program of study.

**PRACTICUM IN MARKETING 12093A/12093B**

**Grade Placement: 11, 12 | Prerequisite: Minimum of one credit from the Marketing cluster | Credit: 2.0**

Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will

gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions.

**ACCOUNTING I 1645A/1645B**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0**

Allows students to investigate the field of accounting, including how it impacts industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making. Students will be introduced to Microsoft Excel functions related to accounting.

**ACCOUNTING II 1646A/1646B**

**Grade Placement: 11, 12 | Prerequisite: Accounting I | Credit: 1.0**

This course is designed for students in the business endorsement pathway. This course meets the requirements for the fourth mathematics credit. This course is designed for students in the business endorsement pathway. This course does not meet NCAA eligibility requirements. Students will continue the investigation of the field of accounting, including how it impacts industry standards as well as economic, financial, technological, international, social, legal and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. Students will continue to explore Microsoft Excel functions related to accounting. *This course meets graduation requirements for a fourth math credit.*

**FINANCIAL MATH 12049A/12049B**

**Grade Placement: 11, 12 | Prerequisite: Algebra I | Recommended Prerequisite: Accounting I | Credit: 1.0**

This course is about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. *This course meets graduation requirements for a mathematics credit.*

**HOSPITALITY & TOURISM  
INTRODUCTION TO CULINARY ARTS 12054A/12054B**

**Grade Placement: 10 | Prerequisite: None | Credit: 1.0**

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. It will provide insight into food production skills, various levels of industry management, and hospitality skills.

**CULINARY ARTS I 1657A/1657B**

**Grade Placement: 11, 12 | Prerequisite: Introduction to Culinary Arts | Credits: 2.0**

This is a laboratory-based course that includes: fundamentals and principles of the art of food preparation, management and production skills, and various culinary techniques. Students can pursue a national sanitation certification and other appropriate industry certifications. The knowledge and skills required for careers in the restaurant, food, and beverage industry are practiced as food catered to the public multiple times per year.

**CULINARY ARTS II 12055A/12055B**

**Grade Placement: 11, 12 | Prerequisite: Culinary Arts I | Credits: 2.0**

This is a laboratory-based course. Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards to prepare students for success in higher education, certifications, and/or immediate employment.

**PRACTICUM IN CULINARY ARTS 1658A/1658B**

**Grade Placement: 12 | Prerequisite: Culinary Arts II | Credits: 2.0**

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical

education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing culinary art-based workplace.

**FOOD SCIENCE 1656A/1656B**

**Grade Placement: 11, 12 | Prerequisite: Three units of science, including chemistry and biology | Recommended prerequisite: Principles of Hospitality and Tourism | Credits: 1.0**

This course is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. *This course meets graduation requirements for an advanced science credit.*

**MANUFACTURING**

**INTRODUCTION TO WELDING 12068A/12068B**

**Grade Placement: 9, 10 | Prerequisite: None | Credit: 1.0**

Introduction to Welding will introduce welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

**WELDING I 1620A/1620B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Introduction to Welding | Credit: 2.0**

Welding I provides the knowledge, skills and technologies required for employment in metal technology systems.

Students will develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

**WELDING II 12003A/12003B**

**Grade Placement: 11, 12 | Prerequisite: Welding I, Algebra I, Geometry | Credit: 2.0**

Welding II builds on the knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as related to personal and career development. Students will integrate academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

**PRACTICUM IN MANUFACTURING 12094A/12094B**

**Grade Placement: 12 | Prerequisite: Welding II 2 | Credits: 2.0**

The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

**TRANSPORTATION, DISTRIBUTION & LOGISTICS**

**AUTOMOTIVE BASICS 12111A/ 12111B**

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**

This course teaches students the knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

**AUTOMOTIVE TECHNOLOGY I 1690A/1690B**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 2.0**

This course covers basic car care, under hood inspection (fluids, belts, hoses), removing and replacing items (wiper blades, bulbs, fuses), cooling system maintenance, battery/ charging system diagnosis, lubrication system maintenance, tire information, brake inspection, minor ignition system maintenance (spark plug, wires, firing order), and service information.

**AUTOMOTIVE TECHNOLOGY II 1691A/1691B**

**Grade Placement: 11, 12 | Prerequisite: Automotive Technology I | Credit: 2.0**

This course includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. It includes applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to each safety, tool identification, proper tool use, and employability.

**PRACTICUM IN TRANSPORTATION 12095A/12095B**

**Grade Placement: 12 | Prerequisite: Automotive Technology II | Credit: 2.0**

This course is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study or laboratories. The Practicum can be either school lab based or work based.

**PUBLIC SERVICE ENDORSEMENT  
PATHWAYS**

**COSMETOLOGY**

**INTRODUCTION TO COSMETOLOGY 1696A/1696B**

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**

In this course, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements.

**PRINCIPLES OF COSMETOLOGY DESIGN & COLOR THEORY**

**12119A/12119B**

**Grade Placement: 10 | Prerequisite: Introduction to Cosmetology | Credits: 1.0**

Students receive job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

**COSMETOLOGY I 1661A/1661B**

**Grade Placement: 11, 12 | Prerequisite: Principles of Cosmetology Design & Color Theory | Credits: 3.0**

Students receive job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

**COSMETOLOGY II 1662A/1662B**

**Grade Placement: 12 | Prerequisite: Cosmetology I | Credits: 3.0**

The content in this course is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/ employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies, and materials; and practical skills.



## LAW & PUBLIC SERVICE

### PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY 1670A/1670B

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**

Introduces students to professions in law enforcement, security, corrections, and other emergency management services. Students will examine the roles and responsibilities of police officers, corrections officers, private security officers, and other positions related to emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, corrections, security, and other emergency management positions.

### LAW ENFORCEMENT I 1672A/1672B

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Law, Public Safety, Corrections and Security | Credit: 1.0**

Law Enforcement I is an overview of the law history, organization, and functions of local, state and federal law enforcement. This course includes the role of constitutional law, local, state and federal laws, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

### LAW ENFORCEMENT II 1572A/1572B

**Grade Placement: 11-12 | Prerequisite: Law Enforcement I | Credit: 1.0**

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of patrol procedure, the role of first responders, telecommunications, emergency equipment operations, and courtroom testimony.

### FORENSIC SCIENCE 1573A/1573B

**Grade Placement: 11, 12 | Prerequisites: Biology, Chemistry | Recommended Prerequisite: any Law, Public Safety, Corrections, and Security Career Cluster course | Credit: 1.0**

This course introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. *This course meets graduation requirements for a Science credit.*

### PRACTICUM IN LAW ENFORCEMENT 12074A/12074B

**Grade Placement: 11, 12 | Prerequisite: Minimum of one credit from the Law, Public Safety, Corrections, and Security Career Cluster | Credits: 2.0**

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

### CORRECTIONAL SERVICES 1673A/1673B

**Grade Placement: 10, 11 | Recommended Prerequisite: Med Term | Credits: 1.0**

Prepares students for certification required for employment as a municipal, county, state, or federal correctional officer. Students will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. Students will analyze rehabilitation and alternatives to institutionalization for inmates.

### PRACTICUM IN LAW ENFORCEMENT – EMT 12113A/12113B

**Grade Placement: 12 | Recommended Prerequisite: Med Term & A&P | Credits: 2.0**

The practicum course trains students to respond to emergency situations, namely medical emergencies and fire-based emergencies. Students may learn how to prevent emergencies, respond appropriately and in accordance with rules and

regulations during crises, and investigate and delineate the source of the emergency. Designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

### ANATOMY & PHYSIOLOGY 0386A/0386B

**Grade Placement: 11, 12 | Prerequisite: Biology and a second science | Credit: 1.0**

This course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. *This course meets graduation requirements for a Science credit.*

### HONORS ANATOMY & PHYSIOLOGY 0387A/0387B

**Grade Placement: 11, 12 | Prerequisite: three science credits | Credit: 1.0**

The Anatomy and Physiology course is designed for the student interested in the study of medical science as well as those interested in the study of structure and function of the human body. The course stresses the study of human body systems and their basic units of structure and function. Laboratory experience is provided and includes the study of each of the systems. Dissection is used as a scientific method to investigate anatomical structures. There will be significantly higher academic expectations of students in this honors level courses. This is a two-semester course. *This course meets graduation requirements for a Science credit.*

### COUNSELING & MENTAL HEALTH 12084A/12084B

**Grade Placement: 11, 12 | Recommended Prerequisite: Principles of Human Services | Credit: 1.0**

In this course, students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations on their actions and responsibilities, and the implications of their actions. Students understand how professional integrity in counseling and mental health care is dependent on the acceptance of ethical and legal responsibilities.

## HEALTH SCIENCE

### PRINCIPLES OF HEALTH SCIENCE 1650A/1650B

**Grade Placement: 9, 10 | Prerequisite: None | Credit: 1.0**

This course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

### PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS

**12125A/12125B**

**Grade Placement: 9, 10 | Prerequisite: None | Credit: 1.0**

This course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. This is for students interested in being an Athletic Trainer.

### KINESIOLOGY I 12126A/12126B

**Grade Placement: 10, 11 | Prerequisite: None | Credit: 1.0**

This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. This is for students interested in being an Athletic Trainer.

**MEDICAL TERMINOLOGY 12051A/12051B**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0**  
Designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

**HEALTH SCIENCE THEORY 12052A/12052B**

**Grade Placement: 10, 11 | Prerequisite: Biology (req'd) and Medical Terminology (recommended) | Credit: 1.0**  
This course is for students seriously interested in a healthcare career. It is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have in-class and hands-on experiences for continued knowledge and skill development. Students will have the opportunity to investigate and observe a large variety of health care areas rather than a single healthcare field. Fees, including, but not limited to: uniform, and HOSA membership and competition fees.

**ANATOMY & PHYSIOLOGY 0386A/0386B**

**Grade Placement: 11, 12 | Prerequisite: Biology and 2nd Science | Credit: 1.0**  
This course satisfies an Advanced Science graduation requirement. Extends understanding of the structure and function of the human body. Students will explore physiological systems and associated pathologies. Higher order thinking is stressed through assessment and synthesis of the anatomical knowledge combined with exposure to clinical analysis. Principles of physiology will be applied to human health and well-being. *This course meets graduation requirements for an advanced science credit.*

**HONORS ANATOMY & PHYSIOLOGY 0387A/0387B**

**Grade Placement: 11, 12 | Prerequisite: three science credits | Credit: 1.0**  
The Anatomy and Physiology course is designed for the student interested in the study of medical science as well as those interested in the study of structure and function of the human body. The course stresses the study of human body systems and their basic units of structure and function. Laboratory experience is provided and includes the study of each of the systems. Dissection is used as a scientific method to investigate anatomical structures. There will be significantly higher academic expectations of students in this honors level courses. This is a two-semester course. *This course meets graduation requirements for an advanced Science credit.*

**PATHOPHYSIOLOGY 12083A/12083B**

**Grade Placement: 11, 12 | Prerequisite: Biology, Chemistry | Recommended Prerequisite: Anatomy & Physiology | Credit: 1.0**  
This course is designed for students to conduct laboratory and field investigation, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable. *This course meets graduation requirements for an advanced science credit.*

**PRACTICUM IN HEALTH SCIENCE — PHARMACY TECHNICIAN PROGRAM 1652A/1652B**

**Grade Placement: 12 | Prerequisite: Health Science Theory, Medical Terminology, Biology, and Chemistry | Credits: 2.0**  
The Pharmacy Technician Program is designed to equip students with knowledge, technical skills, and work habits required for an entry-level position in the pharmacy field or related area. Our teaching techniques encourage active student participation and may include group discussions and projects, laboratory work, simulations, demonstration, field trips, guest speakers, and lectures. A strong emphasis is placed on ethics, accountability, professionalism, and the individual's commitment to pursue lifelong personal and professional development. Students who

successfully complete the course and graduate may have the opportunity to sit for the Pharmacy Technician certification exam.

**PRACTICUM IN HEALTH SCIENCE – PATIENT CARE TECHNICIAN 12108A/12108B**

**Grade Placement: 12 | Prerequisite: Health Science Theory, Medical Terminology | Credits: 2.0**  
The Patient Care Technician Program is designed to equip students with knowledge, technical skills and work habits required for an entry level position within the healthcare field. This course provides training for direct patient care that falls within the defined scope of practice. A PCT will perform basic nursing assistant tasks (as delegated by the nursing or medical staff) which may include obtaining patient vital signs and other data, communicating with the healthcare team and patients, assisting with activities of daily living (ADLs), complying with confidentiality requirements, performing ECGs and Phlebotomy tasks. Completers of this program are eligible to sit for the national examination.

**PRACTICUM IN HEALTH SCIENCE – REGISTERED DENTAL ASSISTANT 12112A/12112B**

**Grade Placement: 12 | Prerequisite: Health Science Theory, Medical Terminology | Credits: 2.0**  
The Dental Assisting Program is designed to allow senior level clinical students the opportunity to begin learning fundamental knowledge and skills needed within the field of dentistry. The information obtained, while in the Dental Assisting Practicum, can be directly applied towards future dental careers including Dental Assistant, Dental Hygienist, Doctor of Dental Surgery, Dental Laboratory Technician and specialties within the dental field. Upon completion of this course, students will have an understanding and knowledge of dental history, dental professions, dental anatomy, infection control, dental conditions/diseases, dental hygiene, professional dental communication, chair side dental techniques, dental charting, dental practice management, and more!

**HUMAN SERVICES**

**PRINCIPLES OF HUMAN SERVICES 1653A/1653B**

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**  
This course will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

**CHILD DEVELOPMENT 1590A/1590B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Human Services | Credits: 1.0**  
Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

**FAMILY & COMMUNITY SERVICES 12006A/12006B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Human Services | Credit: 1.0**  
This course is a laboratory-based course designed to involve students in realistic and meaningful community-based activities through direct service or service-learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

**COUNSELING & MENTAL HEALTH 12084A/12084B**

**Grade Placement: 11, 12 | Recommended | Prerequisite: Principles of Human Services | Credit: 1.0**  
In this course, students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations on their actions and responsibilities, and the implications of their actions. Students understand how professional integrity in counseling and mental health care is dependent on the acceptance of ethical and legal responsibilities.



**PRACTICUM IN HUMAN SERVICES 12096A/12096B**

**Grade Placement: 12 | Recommended | Prerequisite: Family & Community Services | Credit: 2.0**

This course provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers.

**EDUCATION & TRAINING**

**PRINCIPLES OF HUMAN SERVICES 1653A/1653B**

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**

This course will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

**HUMAN GROWTH & DEVELOPMENT 12048A/12048B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Human Services | Credit: 1.0**

This course is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

**CHILD DEVELOPMENT 1590A/1590B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: Principles of Human Services | Credit: 1.0**

Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

**TEACHER INTERN I 1635A/1635B**

**Grade Placement: 10, 11, 12 | Recommended Prerequisite: None | Credits: 2.0**

This course is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

**TEACHER INTERN II 1636A/1636B**

**Grade Placement: 11, 12 | Prerequisite: Teacher Intern I | Credits: 2.0**

This course is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary, middle school and high school-aged students.

**SCIENCE, TECHNOLOGY, ENGINEERING & MATH ENDORSEMENT PATHWAYS**

**ENGINEERING FOUNDATIONS**

**INTRODUCTION TO ENGINEERING DESIGN (PROJECT LEAD THE WAY) 12100A/ 12100B**

**Grade Placement: 9 | Prerequisite: None | Credit: 1.0**

This course exposes students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding

of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. Students use a state of the 3D solid modeling design software package to help them design solutions to solve proposed problems.

**ENGINEERING SCIENCE (PLTW) 12105A/12105B**

**Grade Placement: 10, 11, 12 | Prerequisite: Algebra I | Credit: 1.0**

This course looks at the use of technology, math and scientific ideas throughout the entire engineering process. This hands-on course has students working on a variety of engineering projects including work with simple machines, bridge design, programming, statistical analysis, and robotics.

**DIGITAL ELECTRONICS 12131A/12131B**

**Grade Placement: 10, 11 | Prerequisite: Algebra I & Geometry | Credit: 1.0**

Study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discreet voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics. Digital electronics is the foundation of modern electronic devices such as cellular phones, digital audio players, laptop computers, digital cameras, and high-definition televisions. *This course meets graduation requirements for a fourth math credit.*

**CIVIL ENGINEERING & ARCHITECTURE (PLTW)**

**12114A/12114B**

**Grade Placement 11,12 | Prerequisite: None | Credit: 1.0**

This course is a high school level specialization course in the PLTW Engineering Program. Students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving projects and problems that require them to develop planning, documentation, communication, and other professional skills.

**AEROSPACE ENGINEERING (PLTW) 12110A/ 12110B**

**Grade Placement: 11, 12 | Prerequisite: None | Credit: 1.0**

Aerospace Engineering ignites students' learning in the fundamentals of atmospheric and space flight. Aerospace Engineering is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot.

**PRACTICUM IN STEM 12075A/12075B**

**Grade Placement: 12 | Prerequisite: Algebra I, Geometry and 2 STEM credits | Credit: 2.0**

Practicum gives students practical application of previously studied knowledge and skills. Students will design and prototype a senior capstone project and submit it in a skills competition. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course can include a paid or unpaid internship with 10 or more hours on the job. In addition, students will have the opportunity to learn to program CNC machines and become certified.

## INFORMATION TECHNOLOGY

### INTRODUCTION TO ENGINEERING DESIGN (PROJECT LEAD THE WAY) 12100A/ 12100B

**Grade Placement:** 9 | **Prerequisite:** None | **Credit:** 1.0

This course exposes students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. Students use a state of the 3D solid modeling design software package to help them design solutions to solve proposed problems.

### AP COMPUTER SCIENCE PRINCIPLES 0294A/0294B

**Grade Placement:** 10, 11 | **Prerequisite:** Algebra I | **Credit:** 1.0

This course is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

### HONORS COMPUTER SCIENCE I 0291A/0291B

**Grade Placement:** 10, 11, 12 | **Prerequisite:** Algebra I | **Credit:** 1.0

The course will foster students' creativity and innovation by presenting opportunities to design and implement programs using the Java programming language. After learning basic concepts, students will have the opportunity to create meaningful projects, including programs for mobile computing devices. Students will collaborate with one another and their instructor to solve the problems presented throughout the course. This course is intended to begin preparation of college-bound students in the evolving discipline of computer science. Students will also gain an understanding of the principles of mobile application development through the study of development platforms, programming languages, and software design standards. This course can serve both as an introductory course for potential computer science majors and as a foundation course for students planning to study in other fields that significantly involve computing. This course can be used to satisfy one Foreign Language requirement.

### AP COMPUTER SCIENCE II 0292A/0292B

**Grade Placement:** 11, 12 | **Prerequisite:** Algebra I, Honors Computer Science, Algebra II | **Credits:** 1.0

Students are expected to take an Advanced Placement exam. Introduces Advanced Placement topics using Java as the primary programming language. Computer Science emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in college-level computer science. It also includes the study of data structures and abstraction. This course can be used to satisfy one Foreign Language requirement.

### INDEPENDENT STUDY IN TECHNOLOGY 0293A/0293B

**Grade Placement:** 11, 12 | **Prerequisite:** Computer Science II | **Credits:** 1.0

Weighted. This course covers advanced topics, including assembly language, systems programming problems, advanced Java and C++, and programming for mobile devices.

### PRACTICUM IN STEM 12075A/12075B

**Grade Placement:** 12 | **Prerequisite:** Algebra I, Geometry and 2 STEM credits | **Credit:** 2.0

Practicum gives students practical application of previously studied knowledge and skills. Students will design and prototype a senior capstone project and submit it in a skills competition. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course can include a paid or unpaid internship with 10 or more hours on the job. In addition, students will have the opportunity to learn to program CNC machines and become certified.

## FINE ARTS - ART

Course Name	Credits	Grade Levels	Required Prerequisites
Art 1	1.0	9-12	None
Art 2 – Drawing	1.0	10-12	Art 1
Art 2 – 3D Sculpture	1.0	10-12	Art 1
Art 3 – Drawing	1.0	10-12	Art 1 and 2
Art 4 – Drawing and Painting	1.0	10-12	Art 1 and 2
AP Art 2D (Photography)	1.0	10-12	Commercial Photography and Art 1 and 2
AP Art 3D (Sculpture)	1.0	10-12	Art 2
AP Studio Art (Drawing)	1.0	10-12	Art 2
Floral Design	1.0	10-12	None

**ART 1** **0780A/0780B**

**Grade Placement: 9, 10, 11, 12 | Credit: 1.0**

The purpose of this class is to provide students with a broad overview of art media and techniques. Art history and art appreciation are an ongoing part of the Art 1 curriculum. Areas of focus will include research project components that will incorporate reading and writing skills. The course will begin with a focus on the elements of art and then will move into the principles of design, with an emphasis on drawing skills. Throughout the semester we will branch out into painting, mixed media, textiles and 3D art. Students will express ideas by creating many original works of art, as well as collaborating with other artist to create community-based art projects. These art pieces will be organized by the student and converted into a digital artist's portfolio. Students will analyze and evaluate their personal work, peer work, artist portfolios and professional artworks as well. We will also examine a wide variety of career opportunities available in the visual art field.

Historical periods and/or styles of art will be explored and researched, in order to further student's understanding of art history and culture. We will also examine a wide variety of career opportunities available in the visual art field.

**ART 2 – DRAWING** **0781A/0781B**

**Grade Placement: 10, 11, 12 | Prerequisite: Art 1 | Credit: 1.0**

In Art 2, students will use a variety of media to explore techniques of both painting and drawing to build upon skills developed in Art 1. Students will express ideas by creating many original works of art, as well as collaborating with other artist to create community-based art projects. These art pieces will be organized by the student and converted into a digital artist's portfolio. Students will analyze and evaluate their personal work, peer work, artist portfolios and professional artworks as well. Historical periods and/or styles of art will be explored and researched, in order to further student's understanding of art history and culture. We will also examine a wide variety of career opportunities available in the visual art field.

**ART 4 - DRAWING & PAINTING** **0785A/0785B**

**Grade Placement: 10, 11, 12 | Prerequisite: Art 1, 2, and 3 | Credit: 1.0**

An upper level course designed for the student who wishes to further develop skills and techniques that were introduced in previous drawing and painting courses. This is a desirable course for any student wishing to develop a portfolio for college. It is expected for any student intending to enroll in Advanced Placement Art to successfully complete this course. Students will be continually encouraged to expand their creative ideas as well as their technical potential. The course will approach drawing and painting utilizing various techniques and materials. A competition fee may be required.

**ART 2 - 3D SCULPTURE** **0782A/0782B**

**Grade Placement: 10, 11, 12 | Prerequisite: Art 1 | Credit: 1.0**

The 3D Sculpture is a rigorous exploration of the visual elements of design. Portfolios allow flexibility of coursework while guiding students to produce quality, artistic investigation, and breadth of work. Demonstrate mastery through any three-dimensional approach, such as figurative or non-figurative sculpture, architectural models, metalwork, ceramics, glass work, installation, assemblage and 3-D fabric/fiber arts. Develop technical skills and familiarize yourself with the functions of visual elements as you create an individual portfolio. The first semester explores a variety of materials for 3D creation and the 2nd semester focuses on ceramics. Students will participate in class critiques. All work is turned in with a photo in Google Classroom as well as class critique. Work must be in Google Classroom for a grade.

**AP ART 2D DESIGN** **0786A/0786B**

**Grade Placement: 10, 11, 12 | Prerequisite: Art 1 and 2 | Credit: 1.0**

The Advanced Placement is a rigorous exploration of the visual elements of design. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and exploration and risk taking of work. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses. This is a college level course that requires a lot of outside time and effort to succeed.

**ART 3 – DRAWING** **0783A/0783B**

**Grade Placement: 10, 11, 12 | Prerequisite: Art 1 & 2 | Credit: 1.0**

This course is a continuation of Art 2, and will focus heavily on portfolio development. Art history and art appreciation are an ongoing part of the Art 3 curriculum. Students will express ideas by creating many original works of art, as well as collaborating with other artist to create community-based art projects. These art pieces will be organized by the student and converted into a digital artist's portfolio. Students will analyze and evaluate their personal work, peer work, artist portfolios and professional artworks as well.

**AP ART 3D (SCULPTURE)** **0788A/0788B**

**Grade Placement: 10, 11, 12 | Prerequisite: Art 2 | Credit: 1.0**

The Advanced Placement is a rigorous exploration of the visual elements of design. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and exploration and risk taking of work. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses. This is a college level course that requires a lot of outside time and effort to succeed.

**AP STUDIO ART (DRAWING)** **0787A/0787B**

**Grade Placement: 10, 11, 12 | Prerequisite: Art 2 | Credit: 1.0**

The Advanced Placement is a rigorous exploration of the visual elements of design. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and exploration and risk taking of work. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses. This is a college level course that requires a lot of outside time and effort to succeed.

**FLORAL DESIGN** **1608A/1608B**

**Grade Placement: 10, 11, 12 | Prerequisite: None | Credit: 1.0**

This course exposes students to the basic techniques of floral design. This class is project based with many large and small projects used to evaluate the progress of the student. There are lots of hands-on activities to involve the students in techniques required in the floral industry. This course is designed to develop students' ability to understand the management of floral enterprises. This course meets graduation requirements for a fine arts credit.

FINE ARTS – MUSIC – INSTRUMENTAL			
Course Name	Credits	Grade Levels	Required Prerequisites
Color Guard 1	1.0	9-12	
Color Guard 2	1.0	10-12	
Color Guard 3	1.0	11-12	
Color Guard 4	1.0	12	
Band 1	1.0	9-11	
Band 2	1.0	9-12	
Band 3	1.0	10-12	
Band 4	1.0	11-12	
Band 5	Local	12	
Percussion 1	1.0	9-10	
Percussion 2	1.0	9-12	
Percussion 3	1.0	10-12	
Percussion 4	Local	11-12	
Music Lab 1	1.0	9-12	
Music Lab 2	1.0	9-12	
Music Lab 3	1.0	11-12	
Wind Symphony 1	1.0	9-12	
Wind Symphony 2	1.0	10-12	
Wind Symphony 3	1.0	10-12	
Wind Symphony 4	1.0	11-12	
Wind Symphony 5	Local	12	
AP Music Theory	1.0	10-12	Students must be currently taking band or choir or must currently be enrolled in private lessons

**COLOR GUARD 1** **0775A/0775B**

**Grade Placement: 9, 10, 11, 12 | Credit: 1.0**

Color Guard (7th period) is considered the “sport of the arts” as it includes dance, musicality, artistry and athleticism. During the fall semester, students in Color Guard will participate with the marching band. Performances will include pep rallies, football games and marching contests. During the spring semester members will prepare for and compete in Winter Guard competitions and perform at a few community events. In addition to daily class, there will be mandatory rehearsals after school throughout the year.

**COLOR GUARD 2** **0776A/0776B**

**Grade Placement: 10, 11, 12 | Credit: 1.0**

**COLOR GUARD 3** **0777A/0777B**

**Grade Placement: 11, 12 | Credit: 1.0**

**COLOR GUARD 4** **0778A/0778B**

**Grade Placement: 12 | Credit: 1.0**

**BAND 1** **1774A/1774B**

**Grade Placement: 9, 10, 11 | Credit: 1.0**

Wind Symphony (advanced level) – Serving as the flagship of the Weatherford Band Program, the Wind Symphony is made up of musicians who have proven a high-level of mastery on their instrument. The Wind Symphony holds a distinguished reputation for high musical performance standards and achievement. All students participate in marching band during the 1st part of the fall semester.

Symphonic Band (intermediate level band) – Symphonic Band has gained a reputation for raising the standard of performance and creating exceptional musicians. Symphonic Band provides competitive musical experiences for its members through the programming and performing of marches, standard repertoire, and a wide variety of other music. All students participate in marching

band during the 1st part of the fall semester.

Concert Band (developing level) – Concert Band presents much pride and anticipation for some of our hardest-working musicians. This dedicated group is structured and designed to be very educational for students and rewarding for the community. Concert Band proves that there is something special about getting to perform with great friends, performing wonderful music, and getting a great round of applause from very enthusiastic audiences. All students participate in marching band during the 1st part of the fall semester.

**BAND 2** **1775A/1775B**

**Grade Placement: 9, 10, 11, 12 | Credit: 1.0**

**BAND 3** **1776A/1776B**

**Grade Placement: 10, 11, 12 | Credit: 1.0**

**BAND 4** **1777A/1777B**

**Grade Placement: 11, 12 | Credit: 1.0**

**BAND 5** **1768A/1768B**

**Grade Placement: 11, 12 | Local Credit**

**PERCUSSION 1** **1770A/1770B**

**Grade Placement: 9, 10, 11, 12 | Prerequisite: All students must audition for the percussion instructor to be approved for the class | Credit: 1.0**

All Weatherford ISD percussionists take the double-blocked percussion class in the fall and one section of percussion along with their assigned concert band in the spring.

**PERCUSSION 2** **1771A/1771B**

**Grade Placement: 9, 10, 11, 12 | Prerequisite: All students must audition for the percussion instructor to be approved for the class | Credit: 1.0**



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**PERCUSSION 3** 1772A/1772B

Grade Placement: 9, 10, 11, 12 | Prerequisite: All students must audition for the percussion instructor to be approved for the class | Credit: 1.0

**PERCUSSION 4** 1773A/1773B

Grade Placement: 9, 10, 11, 12 | Prerequisite: All students must audition for the percussion instructor to be approved for the class | Credit: 1.0

**MUSIC LAB 1** 1778A/1778B

Grade Placement: 9, 10, 11, 12 | (1st, 3rd and 5th Periods)

**MUSIC LAB 2** 1779A/1779B

Grade Placement: 10, 11, 12

**MUSIC LAB 3** 1780A/1780B

Grade Placement: 11, 12

**MUSIC LAB 4** 1781A/1781B

Grade Placement: 11, 12

**AP MUSIC THEORY** 0749A/0749B

Grade Placement: 10, 11, 12 | PREREQUISITE: Students must be currently taking band or choir or must currently be enrolled in private lessons (such as piano or violin lessons) | Credit: 1.0

Band and Choir students are encouraged to enroll. This course will explore the basics of composition including pitch, rhythm, scale structure, interval relationships, chord structure, harmonic analysis, part-writing, ear training, and basic sight-reading skills. This class will prepare students for college or upper-level music training. Students will be encouraged to take the Advanced Placement Music Theory Exam upon completion of this class.



FINE ARTS – CHOIR			
Course Name	Credits	Grade Levels	Required Prerequisites
Choir Men 1	1.0	9-12	None
Choir Men 2	1.0	9-12	None
Choir Men 3	1.0	10-12	None
Choir Men 4	1.0	11-12	None
Choir Men 5	Local	12	None
Choir Women 1	1.0	9-12	None
Choir Women 2	1.0	9-12	None
Choir Women 3	1.0	10-12	None
Choir Women 4	1.0	11-12	None
Choir Women 5	Local	12	None
AP Music Theory	1.0	10-12	Students must be currently taking band or choir or must currently be enrolled in private lessons
Dual Credit Music Appreciation	1.0	9-12	None

**CHOIR MEN 1** **10112A/10112B**

**Grade Placement: 9, 10, 11, 12 | Credit: 1.0**

This non-varsity course is required for beginning male choral students in high school. Special attention will be given to assisting each student to assist in developing choral skill to the varsity level. Students with limited choral music reading skills and vocal performance skills will be taught the basic techniques used in learning to read and perform choral music. Ninth grade students will be encouraged to audition for membership in the NGC Mixed Choir.

**CHOIR MEN 2** **10212A/10212B**

**Grade Placement: 9, 10, 11, 12 | Credit: 1.0**

**CHOIR MEN 3** **10312A/10312B**

**Grade Placement: 10, 11, 12 | Credit: 1.0**

**CHOIR MEN 4** **10412A/10412B**

**Grade Placement: 11, 12 | Credit: 1.0**

**CHOIR MEN 5** **10512A/10512B**

**Grade Placement: 12 | Credit: Local**

**CHOIR WOMEN 1** **10112A/10112B**

**Grade Placement: 9, 10, 11, 12 | Credit: 1.0**

Women's Choir is an open enrollment ensemble for Treble Voices. There are no prerequisites to take this course. Students will learn to read music notation and proper singing technique.

**CHOIR WOMEN 2** **10212A/10212B**

**Grade Placement: 9, 10, 11, 12 | Credit: 1.0**

**CHOIR WOMEN 3** **10312A/10312B**

**Grade Placement: 10, 11, 12 | Credit: 1.0**

**CHOIR WOMEN 4** **10412A/10412B**

**Grade Placement: 11, 12 | Credit: 1.0**

**CHOIR WOMEN 5** **10512A/10512B**

**Grade Placement: 11, 12 | Credit: 1.0**

**AP MUSIC THEORY** **0749A/0749B**

**Grade Placement: 10, 11, 12 | PREREQUISITE: Students must be currently taking band or choir or must currently be enrolled in private lessons (such as piano or violin lessons) | Credit: 1.0**

Band and Choir students are encouraged to enroll. This course will explore the basics of composition including pitch, rhythm, scale structure, interval relationships, chord structure, harmonic analysis, part-writing, ear training, and basic sight-reading skills. This class will prepare students for college or upper-level music training. Students will be encouraged to take the Advanced Placement Music Theory Exam upon completion of this class.

**DUAL CREDIT MUSIC APPRECIATION (MUSI 1306) 20026X**

**Grade Placement: 9, 10, 11, 12 | Credit: 1.0**

## FINE ARTS – DANCE

Course Name	Credits	Grade Levels	Required Prerequisites
Dance Production 1	1.0	10-12	Instructor Approval Required
Dance Production 2	1.0	11-12	Dance Production 1, Instructor Approval Required
Dance Production 3	1.0	10-12	Dance Production 2, Instructor Approval Required
Drill Team 1	1.0	9-12	Audition
Drill Team 2	1.0	9-12	Audition
Drill Team 3	1.0	10-12	Audition
Drill Team 4	1.0	11-12	Audition
Drill Team 5	Local	12	Audition

**DANCE PRODUCTION 1** **10010A/10010B**  
**(Blue Belle Leadership)**  
**Grade Placement: 10, 11, 12 | Prerequisite: Instructor Approval Required | Credit: 1.0**  
 This course is specifically designed for the Belle Leadership Team. Instructor approval is required.

**DANCE PRODUCTION 2** **10203A/10203B**  
**(Blue Belle Leadership)**  
**Grade Placement: 11, 12 | Prerequisite: Instructor Approval Required, Dance Production 1 | Credit: 1.0**  
 This course is designed for the Belle Leadership Team. Instructor approval is required.

**DANCE PRODUCTION 3** **10303A/10303B**  
**(Blue Belle Leadership)**  
**Grade Placement: 11, 12 | Prerequisite: Instructor Approval Required, Dance Production 2 | Credit: 1.0**  
 This course is specifically designed for the Belle Leadership Team. Instructor approval is required.

**DRILL TEAM 1** **10130A/10130B**  
**Grade Placement: 9, 10, 11, 12 | Prerequisite: Audition | Credit: 1.0**  
 The Weatherford Blue Belles is a precision dance/drill team representing the high school and community of Weatherford. The Belles perform at various athletic events as well as perform at dance competitions, community events, special summer camps, and Spring Show. Auditions for the Belles are held every spring for students who will be entering the 9th through 12th grades in the following year. Students must meet strict qualifications to be in the Blue Belles. This is a fine arts credit.

**DRILL TEAM 2** **10230A/10230B**  
**Grade Placement: 9, 10, 11, 12 | Prerequisite: Audition | Credit: 1.0**

**DRILL TEAM 3** **10330A/10330B**  
**Grade Placement: 10, 11, 12 | Prerequisite: Audition | Credit: 1.0**

**DRILL TEAM 4** **10430A/10430B**  
**Grade Placement: 11, 12 | Prerequisite: Audition | Credit: 1.0**

**DRILL TEAM 5** **10530A/10530B**  
**Grade Placement: 12 | Prerequisite: Audition | Credit: Local Credit**

## FINE ARTS – THEATRE ARTS

Course Name	Credits	Grade Levels	Required Prerequisites
Musical Theatre 1	1.0	10-12	Theatre 1
Musical Theatre 2	1.0	10-12	Musical Theatre 1
Musical Theatre 3	1.0	10-12	Musical Theatre 2
Theatre 1	1.0	9-12	None
Theatre 2	1.0	9-12	Theatre 1
Theatre 3	1.0	10-12	Theatre 2
Theatre 4	1.0	11-12	Theatre 3
Theatre Production 1	1.0	10-12	Theatre 1
Theatre Production 2	1.0	10-12	Theatre Production 1
Theatre Production 3	1.0	11-12	Theatre Production 2
Theatre Production 4	1.0	11-12	Theatre Production 3
Theatre Tech 1	1.0	9-12	None
Theatre Tech 2	1.0	10-12	Theatre Tech 1
Theatre Tech 3	1.0	11-12	Theatre Tech 2
Theatre Tech 4	1.0	11-12	Theatre Tech 3

**MUSICAL THEATRE 1** **10123A/10123B**

**Grade Placement:** 10, 11, 12 | **Prerequisite:** Theatre 1 | **Credit:** 1.0  
The musical theatre class will instruct students on the process of producing a school musical and specifically working to produce the WHS school musical for the year. It will serve as a class time to rehearse the production process. The students will also learn to build sets, production programs, props, advertising, and any part of producing a musical.

**MUSICAL THEATRE 2** **10223A/10223B**

**Grade Placement:** 10, 11, 12 | **Prerequisite:** Musical Theatre 1 | **Credit:** 1.0  
The musical theatre class will instruct students on the process of producing a school musical and specifically working to produce the WHS school musical for the year. It will serve as a class time to rehearse the production process. The students will also learn to build sets, production programs, props, advertising, and any part of producing a musical.

**MUSICAL THEATRE 3** **10323A/10323B**

**Grade Placement:** 10, 11, 12 | **Prerequisite:** Musical Theatre 2 | **Credit:** 1.0  
The musical theatre class will instruct students on the process of producing a school musical and specifically working to produce the WHS school musical for the year. It will serve as a class time to rehearse the production process. The students will also learn to build sets, production programs, props, advertising, and any part of producing a musical.

**THEATRE 1** **10120A/10120B**

**Grade Placement:** 9, 10, 11, 12 | **Credit:** 1.0  
Theatre I incorporates basic acting technique, the role of the actor in interpreting dramatic literature, the historical evolution of performance styles and introduction to technical theatre. Students will be asked to attend one local professional or amateur play performance each semester.

**THEATRE 2** **10220A/10220B**

**Grade Placement:** 9, 10, 11, 12 | **Prerequisite:** Audition | **Credit:** 1.0

**THEATRE 3** **10320A/10320B**

**Grade Placement:** 10, 11, 12 | **Prerequisite:** Theatre 2 | **Credit:** 1.0  
This class is offered to the dedicated theatre student who wishes to take his/her acting skills to the next level. The course is designed for those advanced students who are seeking to work in a university theatre program, community theatre, or even a career in theatre, radio, TV, or film. These students are offered an opportunity to utilize the acting theories used in many colleges and

universities, a chance to perform their own productions, and a unit designed to improve college audition skills and portfolios.

**THEATRE 4** **10420A/10420B**

**Grade Placement:** 11, 12 | **Prerequisite:** Theatre 3 | **Credit:** 1.0

**THEATRE PRODUCTION 1** **10121A/10121B**

**Grade Placement:** 10, 11, 12 | **Prerequisite:** Theatre 1 | **Credit:** 1.0  
This course supports the Theatre Arts curriculum by offering practical application in acting and stagecraft through public performances of one or more plays. Students are required to participate in all WHS drama productions including all evening rehearsals. Students will be asked to attend one local professional or amateur play performance each semester.

**THEATRE PRODUCTION 2** **10221A/10221B**

**Grade Placement:** 10, 11, 12 | **Prerequisite:** Theatre 1 | **Credit:** 1.0

**THEATER PRODUCTION 3** **10321A/10321B**

**Grade Placement:** 11, 12 | **Prerequisite:** Theatre Production 2 | **Credit:** 1.0

**THEATRE PRODUCTION 4** **10421A/10421B**

**Grade Placement:** 11, 12 | **Prerequisite:** Theatre Production 3 | **Credit:** 1.0

**THEATRE TECH 1** **10122A/10122B**

**Grade Placement:** 9, 10, 11, 12 | **Prerequisite:** Theatre Production 2 | **Credit:** 1.0

This course is for those theatre students wishing to work behind the scenes of production. "Hands on" training is offered in areas of set design and construction, set painting, stage lighting and design, stage make-up techniques, prop construction, house and publicity, and sound design. This class is responsible for the technical elements that go into all of the Weatherford High School theatre productions as well as some of the scenic elements used in our feeder school productions.

**THEATRE TECH 2** **10222A/10222B**

**Grade Placement:** 10, 11, 12 | **Prerequisite:** Theatre Tech 1 | **Credit:** 1.0

This is the 2nd year of the Theatre Tech program.

**THEATRE TECH 3** **10322A/10322B**

**Grade Placement:** 11, 12 | **Prerequisite:** Theatre Tech 2 | **Credit:** 1.0

This is the 3rd year of the Theatre Tech program.

**THEATRE TECH 4** **10422A/10422B**

**Grade Placement:** 11, 12 | **Prerequisite:** Theatre Tech 3 A | **Credit:** 1.0

This is the 4th year of the Theatre Tech program.

HEALTH & PHYSICAL EDUCATION			
Course Name	Credits	Grade Levels	Required Prerequisites
Baseball 1-5	1.0/(5 Local)	9-12	Tryout
Basketball Boys 1-5	1.0/(5 Local)	9-12	Tryout
Basketball Girls 1-5	1.0/(5 Local)	9-12	Tryout
Cheerleading 1-5	1.0/(5 Local)	9-12	Tryout
Cross Country 1-5	1.0/(5 Local)	9-12	Tryout
Football 1-5	1.0/(5 Local)	9-12	Tryout
Golf 1-5	1.0/(5 Local)	9-12	Tryout
Lifetime Fitness	0.5-1.0	9-12	None
Lifetime Recreation and Outdoor Pursuits	1.0	9-12	None
Skills Based Activities	0.5-1.0	9-12	None
Soccer Boys 1-5	1.0/(5 Local)	9-12	Tryout
Soccer Girls 1-5	1.0/(5 Local)	9-12	Tryout
Softball 1-5	1.0/(5 Local)	9-12	Tryout
Swimming	1.0(5 Local)	9-12	Tryout
Athletic Trainer 1	1.0	10-12	Sports Medicine 1 and teacher approval
Athletic Trainer 2	1.0	11-12	Sports Medicine 2 and teacher approval
Athletic Trainer 3	1.0	12	Sports Medicine 2 and teacher approval
Tennis 1-5	1.0/(5 Local)	9-12	Tryout
Track	1.0/(5 Local)	9-12	Tryout
Volleyball 1-5	1.0/(5 Local)	9-12	Tryout
Wrestling 1-5	1.0/(5 Local)	9-12	Tryout

**BASEBALL 1** 08106A/08106B  
Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0  
(Baseball 5 is Local Credit)

**BASEBALL 2** 08206A/08206B  
**BASEBALL 3** 08306A/08306B  
**BASEBALL 4** 08406A/08406B  
**BASEBALL 5** 08506A/08506B

**BASKETBALL 1 BOYS** 08102A/08102B  
Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0  
(Basketball 5 is Local Credit)

**BASKETBALL 2 BOYS** 08202A/08202B  
**BASKETBALL 3 BOYS** 08302A/08302B  
**BASKETBALL 4 BOYS** 08402A/08402B  
**BASKETBALL 5 BOYS** 08502A/08502B

**BASKETBALL 1 GIRLS** 08103A/08103B  
Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0  
(Basketball 5 is Local Credit)

**BASKETBALL 2 GIRLS** 08203A/08203B  
**BASKETBALL 3 GIRLS** 08303A/08303B  
**BASKETBALL 4 GIRLS** 08403A/08403B  
**BASKETBALL 5 GIRLS** 08503A/08503B

**CHEERLEADING 1** 0730A/0730B  
Grade Placement: 9-12 | Prerequisite: Audition | Credit: 1.0  
(Cheerleading 5 is Local Credit)

The Weatherford High School Cheerleaders are a team of students who promote school unity and spirit throughout the year by cheering at Freshmen athletic contests, pep rallies, and community events. In addition to these activities, the cheer team participates in a cheerleading camp, contest, and performance. Weatherford High School has four cheerleading teams--freshmen, junior varsity, varsity, and the WHS competition team. They are open to girls and boys.

Tryouts are held in the spring semester for all teams.

**CHEERLEADING 2** 0733A/0733B

**CHEERLEADING 3** 0735A/0735B  
**CHEERLEADING 4** 0736A/0736B  
**CHEERLEADING 5** 0737A/0737B

**CROSS COUNTRY 1** 08114A/0814B  
Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0  
(Cross Country 5 is Local Credit)

**CROSS COUNTRY 2** 08214A/08214B  
**CROSS COUNTRY 3** 08314A/08314B  
**CROSS COUNTRY 4** 08414A/08414B  
**CROSS COUNTRY 5** 08514A/08514B

**FOOTBALL 1** 08100A/08106B  
Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0  
(Football 5 is Local Credit)

**FOOTBALL 2** 08200A/08200B  
**FOOTBALL 3** 08300A/08300B  
**FOOTBALL 4** 08400A/08400B  
**FOOTBALL 5** 08500A/08500B

**GOLF 1** 08113A/08113B  
Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0  
(Golf 5 is Local Credit)

**GOLF 2** 08213A/08213B  
**GOLF 3** 08313A/08313B  
**GOLF 4** 08413A/08413B  
**GOLF 5** 08513A/08513B

**LIFETIME FITNESS** 08004A/08004B

**Grade Placement: 9, 10, 11, 12 | Credit: 0.5-1.0**  
Foundations of Personal Fitness represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels

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of health, is the cornerstone of this course and is exemplified by one of the course objectives-students designing their own personal fitness program.

**LIFETIME RECREATION AND OUTDOOR PURSUITS** 08006A/08006B

**Grade Placement: 9, 10, 11, 12 | Credit: 1.0**  
Lifetime Recreation and Outdoor Pursuits provides opportunity for enjoyment and challenge with emphasis upon a selection of activities that promote respect for the environment and can be enjoyed for a lifetime. Certifications may be earned in Hunters Education, Anglers Education, and Boaters Education for an extra fee.

**SKILLS BASED ACTIVITIES** 08001A/08000B

**Grade Placement: 9, 10, 11, 12 | Credit: 0.5-1.0**  
Skill Based Activities (Formerly known as Team Sport / Individual Sport) Students in Skill Based Activities will demonstrate sport skill and sport knowledge while participating in target games, striking and fielding games, fitness activities, rhythmic activities and innovative games. Through these lifelong activities, students will apply performance strategies, fair play and good sportsmanship while promoting personal fitness and lifetime wellness.

**SOCCER 1 BOYS** 08108A/08108B  
**Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0**  
(Soccer 5 is Local Credit)

**SOCCER 2 BOYS** 08208A/08208B  
**SOCCER 3 BOYS** 08308A/08308B  
**SOCCER 4 BOYS** 08408A/08408B  
**SOCCER 5 BOYS** 08508A/08508B

**SOCCER 1 GIRLS** 08109A/08109B  
**Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0**  
(Soccer 5 is Local Credit)

**SOCCER 2 GIRLS** 08209A/08209B  
**SOCCER 3 GIRLS** 08309A/08309B  
**SOCCER 4 GIRLS** 08409A/08409B  
**SOCCER 5 GIRLS** 08509A/08509B

**SOFTBALL 1** 08107A/08107B  
**Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0**  
(Softball 5 is Local Credit)

**SOFTBALL 2** 08207A/08207B  
**SOFTBALL 3** 08307A/08307B  
**SOFTBALL 4** 08407A/08407B

**SWIMMING** PES00006

**Grade Placement: 9 - 12 | Prerequisite: Tryout | Credit: 1.0**  
Swimming focuses on building advanced swimming techniques in freestyle, backstroke, breaststroke, and butterfly strokes, along with starts, turns, and race strategies. Students will participate in rigorous training to improve endurance, strength, and speed, preparing them for competitive meets.

**ATHLETIC TRAINER 1** 0715A/0715B  
**Grade Placement: 10, 11, 12 | Prerequisite: Sports Medicine 1 | Credit: 1.0 (Local Credit)** Instructor approval is required.

**COREQUISITES:** Students enrolled in this course must also be enrolled in Sports Medicine 2.

**ATHLETIC TRAINER 2** 0716A/0716B  
**Grade Placement: 11, 12 | Prerequisite: Sports Trainer 1 | Credit: 1.0 (Local Credit)**  
Instructor approval is required.

**ATHLETIC TRAINER 3** 0717A/0717B  
**Grade Placement: 12 | Prerequisite: Sports Trainer 2 | Credit: 1.0 (Local Credit)**  
Instructor approval is required.

**TENNIS 1** 08111A/08111B  
**Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0**  
(Tennis 5 is Local Credit)

**TENNIS 2** 08211A/08211B  
**TENNIS 3** 08311A/08311B  
**TENNIS 4** 08411A/08411B  
**TENNIS 5** 08511A/08511B

**TRACK 1** 08105A/08105B  
**Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0**  
(Track 5 is Local Credit)

**TRACK 2** 08205A/08205B  
**TRACK 3** 08305A/08305B  
**TRACK 4** 08405A/08405B  
**TRACK 5** 08505A/08505B

**VOLLEYBALL 1** 08101A/08101B  
**Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0**  
(Volleyball 5 is Local Credit)

**VOLLEYBALL 2** 08201A/08201B  
**VOLLEYBALL 3** 08301A/08301B  
**VOLLEYBALL 4** 08401A/08401B  
**VOLLEYBALL 5** 08501A/08501B

**WRESTLING 1** 08105A/08105B  
**Grade Placement: 9, 10, 11, 12 | Prerequisite: Tryout | Credit: 1.0**  
(Wrestling 5 is Local Credit)

**WRESTLING 2** 08205A/08205B  
**WRESTLING 3** 08305A/08305B  
**WRESTLING 4** 08505A/08505B  
**WRESTLING 5** 08505A/08505B



## JOURNALISM

Course Name	Credits	Grade Levels	Required Prerequisites
Journalism	1.0	10-12	None
Newspaper 1	1.0	10-12	None
Newspaper 2	1.0	10-12	Newspaper 1
Newspaper 3	1.0	12	Newspaper 2
Yearbook 1	1.0	9-12	None
Yearbook 2	1.0	10-12	Yearbook 1
Yearbook 3	1.0	11-12	Yearbook 2
Yearbook 4	1.0	12	Yearbook 3

**JOURNALISM** **0155A / 0155B**

**Grade Placement: 10, 11, 12 | Credit: 1.0**

Course objectives include the study of mass media; the history of journalism; the art of writing news, features, opinion articles and headlines; an overview of public relations practices and writing; and an introduction to newspaper and yearbook design, layout, photography and advertising. This class will produce The Boomer, the newsletter for WHS and the NGC.

**NEWSPAPER 1** **0180A/0180B**

**Grade Placement: 10, 11, 12 | Credit: 1.0**

Students will write, edit, and produce the GrassBurr school newspaper. Specialized writing, editing, advertising, graphics, design and layout are reinforced in this class.

**NEWSPAPER 2** **0181A/0181B**

**Grade Placement: 10, 11, 12 | Prerequisite: Newspaper 1 | Credit: 1.0**

**NEWSPAPER 3** **0182A/0182B**

**Grade Placement: 10, 11, 12 | Prerequisite: Newspaper 2 | Credit: 1.0**

**YEARBOOK 1** **0170A/0170B**

**Grade Placement: 9, 10, 11, 12 | Credit: 1.0**

This course will produce the MelonVine yearbook for Weatherford High School utilizing English, journalism, photography, design and computer skills. Writing, editing, advertising, graphics, design and layout are reinforced in this class.

**YEARBOOK 2** **0171A/0171B**

**Grade Placement: 10, 11, 12 | Prerequisite: Yearbook 1 | Credit: 1.0**

**YEARBOOK 3** **0172A / 0172B**

**Grade Placement: 11, 12 | Prerequisite: Yearbook 2 | Credit: 1.0**

**YEARBOOK 4** **0173A / 0173B**

**Grade Placement: 10, 11, 12 | Yearbook 3 | Credit: 1.0**

OTHER COURSES/MISCELLANEOUS			
Course Name	Credits	Grade Levels	Prerequisites
Accelerated Math - NGC	Local	9	Administrator/Counselor Approval
Accelerated Math - WHS	Local	10	Administrator/Counselor Approval
Lit Genres	1.0	10-12	Administrator/Counselor Approval
Early Release – 7 <sup>th</sup> and/or 8 <sup>th</sup> period	0	12	CCMR Indicator and Passing EOC Scores
English Language Development	1.0	9-12	None
Late Arrival	0	12	CCMR Indicator and Passing EOC Scores
Library Aide	Local	11-12	CCMR Indicator and Passing EOC Scores
Office Aide	Local	11-12	CCMR Indicator and Passing EOC Scores
Peer Assistance and Leadership (PAL) I	1.0	11-12	Application Required
Peer Assistance and Leadership (PAL) II	1.0	12	None
TSIA2 College Readiness in Reading and Writing	1.0	11-12	None
TSIA2 College Readiness in Mathematics	1.0	11-12	None

**ACCELERATED MATH – NGC** **03005A/03005B**  
**Grade Placement:** | **Prerequisite:** Administrator/Counselor  
**Placement | Credit:** State  
 Accelerated Algebra I  
 This course is designed to be paired with Algebra I. Students are introduced to the content, skills, vocabulary, and critical thinking they will encounter in the Algebra I course. Placement in this course will be determined by local criteria.

**ACCELERATED MATH – WHS** **03006A/03006B**  
**Grade Placement:** | **Prerequisite:** Administrator/Counselor  
**Placement | Credit:** Local  
 Accelerated Algebra I  
 In this course, students review the content, skills, vocabulary, and critical thinking they encountered in Algebra I. Placement in this course will be determined by local criteria.

**EARLY RELEASE 7<sup>th</sup>** **1109A/1109B**  
**Grade Placement:** 12 | **Prerequisite:** CCMR Indicator and Passing EOC Scores | **Credit** 0

**EARLY RELEASE 8<sup>th</sup>** **1108A/1108B**  
**Grade Placement:** 12 | **Prerequisite:** CCMR Indicator and Passing EOC Scores | **Credit** 0

**ENGLISH LANGUAGE DEVELOPMENT (ELDA)** **0158A/0158B**  
**Grade Placement** 9, 10, 11, 12 | **Prerequisite:** None | **Credit** 1.0  
 This course is designed to provide instructional opportunities for secondary recent immigrant students with little or no English proficiency. These students will have scored at the negligible/very limited academic language level of the state-approved English oral language proficiency test. This course enables students to become increasingly more proficient in English in all four language domains. It addresses cognitive, linguistic, and affective needs in compliance with federal requirements. The ELDA course will satisfy elective credit requirements for graduation. The course must be taken concurrently with a corequisite language arts and reading course. Students may take this course with a different corequisite for a maximum of two credits.

**LATE ARRIVAL** **1101A/1101B**  
**Grade Placement:** 12 | **Prerequisite:** CCMR Indicator and Passing EOC Scores | **Credit** 0

**LIBRARY AIDE** **0891A/0891B**  
**Grade Placement:** 11, 12 | **Prerequisite:** CCMR Indicator and Passing EOC Scores | **Credit:** Local  
 Students will assist the librarian with shelving books, checking out and checking in books and other materials, and other duties as assigned by the librarian.

**OFFICE AIDE** **0890A/0890B**  
**Grade Placement:** 11, 12 | **Prerequisite:** CCMR Indicator and Passing EOC Scores | **Credit:** Local  
 Students will assist with office tasks in the department to which they are assigned. These tasks may include: delivering passes, making copies, assembling projects, organizing materials, etc.

**PEER ASSISTANCE AND LEADERSHIP (PAL) I** **0451A/0451B**  
**Grade Placement:** 11, 12 | **Prerequisite:** Application Required | **Credit:** 1.0  
 Course Note: Application and Teacher Approval Required  
 This course is limited to junior and senior students interested in being trained to work as peer facilitators with other students in our school district. The goal is to help other students have a more positive and productive school experience. Therefore, students should be passing in all subject areas. Enrollment is by formal application and recommendation through a school counselor, the Peer Assistance teacher, and other classroom teachers.

**PEER ASSISTANCE AND LEADERSHIP (PAL) II** **0452A/0452B**  
**Grade Placement:** 12 | **Prerequisite:** Application Required | **Credit:** 1.0

**TSIA2 COLLEGE READINESS IN ELA READING AND WRITING** **14002A**  
**Grade Placement:** 11, 12 | **Prerequisite:** None | **Credit:** 1.0  
 In this college-preparatory course students will improve integrated critical reading and writing skills through engagement with a variety of texts across content areas and genres. This course explores a variety of writing styles relevant to the topic and purpose, incorporating the ideas and words of other writers in student writing using established strategies. Students will learn effective editing strategies, generate ideas from texts, recognize and apply the conventions of standard English, and compose college-level writing assignments.

**TSIA2 COLLEGE READINESS MATHEMATICS** **14003A/14003B**  
**Grade Placement:** 11, 12 | **Prerequisite:** None | **Credit:** 1.0  
 This college-preparatory course reviews a variety of high school math topics and prepares students to enroll in Contemporary Mathematics or an equivalent course in college. Topics in the course include signed numbers, the real number system, solving linear equations and inequalities, graphing linear equations and inequalities, exponents and polynomials, and factoring polynomials.

**LITERARY GENRES** **01000A/01000B**  
**Grade Placement:** 10-12 | **Prerequisite:** Administrator/Counselor  
**Placement | Credit:** 1.0  
 Students enrolled in Literary Genres will spend time analyzing the fictional and poetic elements of literary texts and read to appreciate the writer's craft. High school students will discover how well written literary text can serve as models for their own

writing. High school students respond to oral, written, and electronic text to connect their knowledge of the world. For high school students whose first language is not English, the students' native language serves as a foundation for English language acquisition and language learning.

**PRACTICAL WRITING** **0153A/0153B**  
**Grade Placement: 10-12 | Prerequisite: Administrator/Counselor Placement | Credit: 1.0**

The study of writing allows high school students to earn one-half to one credit while developing skills necessary for practical writing. This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. Students are expected to understand the recursive nature of reading and writing. Evaluation of students' own writing as well as the writing of others ensures that students completing this course are able to analyze and evaluate their writing. For high school students whose first language is not English, the students' native language serves as a foundation for English language acquisition and language learning.

## SPECIAL EDUCATION

An Individualized Education Plan (IEP) Committee determines Special Education placement and individual course selections. Placement and course selections are reviewed, at a minimum, on an annual basis.

All students will have access to the general curriculum and to the Texas Essential Knowledge and Skills (TEKS). Curriculum may be accessed through modifications, accommodations, and/or recommended prerequisite skills dependent upon the individual needs of the student. All core subject special education courses are taken for credit towards graduation.

### **ADULT TRANSITION 12th Grade Plus**

Completed requirements under minimum graduation plan; documented educational need in the form of an Individualized Education Program (IEP) in the area of postsecondary goals and/or functional based goals as documented in their individual transition plan.

The goal of Weatherford ISD Secondary Transition Services program is to provide a seamless transition to life after high school by offering multiple opportunities to learn and use the skills necessary to function as independently as possible. Based on individual interest and strengths each student will participate in community, recreational, employment, and/or independent living activities. Individualized supports for a successful transition to adult life are provided in the area of employment, recreation/activities, and/or independent living. Each young adult's daily schedule is based upon their postsecondary goals and Individualized Education Program goals and objectives developed with collaboration of the student, his/her parents, teachers, and identified adult agencies

## DUAL CREDIT OPPORTUNITIES (WEATHERFORD COLLEGE)

Weatherford ISD is proud to partner with Weatherford College in order to provide dual credit learning opportunities for our students. Upon successful completion of a dual credit course, students will be awarded college and high school credit simultaneously. Dual credit courses provide advanced academic instruction beyond, or in greater depth than, the Texas Essential Knowledge and Skills (TEKS) for the corresponding high school course through concurrent enrollment.

Students must complete the dual credit application process determined by WISD and the participating college institution by the designated WISD deadline (deadline might be different than colleges). Students are responsible for verifying the transferability of course credit to the college/university of choice. Please check with colleges/universities before registering for Dual Credit courses. Three coherent sequences are laid out for students:

1. Associate's Degree Track which is part of Collegiate Academy or GRIT
2. Core Complete Track
3. General Dual Credit Transfer Block

In addition, students must demonstrate college readiness via the Texas Success Initiative (TSIA2) assessment or provide state approved exemptions. For dual credit classes, the college in which the course is taken determines drop date and tuition reimbursement policy. All dual credit students need to know this information and understand how a dropped course may affect their high school graduation plans and college transcript. (*GRIT students are not required to pass the TSIA2 until enrolling in a Math, English, and/or History DC course*)

Weatherford ISD students may take the following Dual Credit courses with Weatherford College:

### ENGL 1301 - English Composition 1

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Note: ENGL 1301 is a prerequisite for all 2000-level literature courses. Three hours of lecture per week.

### ENGL 1302 - English Composition 2

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Prerequisite: ENGL 1301 or consent of the English Department Chair. Three hours of lecture per week.

### ENGL - 2322 - Survey of English Literature

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisites: ENGL 1301 and 1302. Three hours of lecture per week.

### ENGL 2323 - Survey of English Literacy

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisites: ENGL 1301 and 1302. Three hours of lecture per week.

### ENGL 2311 - Technical Writing

Intensive study of and practice in professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals, reports, instructions, policies and procedures, e-mail messages, letters, and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents. Prerequisites: ENGL 1301 and ENGL 1302 or ENGL 1301 and chair approval. Three hours of lecture per week.

### SPCH 1311 - Intro to Speech Communication

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking. Three hours of lecture per week.

### MATH 1314 - College Algebra

This course includes the study of linear, quadratic, polynomial, logarithmic, and exponential functions and their graphs;

characteristics of other basic functions, graphing techniques, and operations on functions; systems of equations; and matrices. Additional topics such as sequences, series, probability, and conics may be included. Prerequisite: Either a C or better in MATH 0314 – Intermediate Algebra, MATH 0303 – Pre College Algebra, or MATH 0402 – Developmental Mathematics, or fulfillment of TSIA2 requirements. Three hours of lecture per week.

### MATH 1324 - Math for Business and SS Majors 1

Topics from college algebra (linear equations, quadratic equations, functions and graphs, inequalities), mathematics of finance (simple and compound interest, annuities), linear programming, matrices, systems of linear equations, applications to management, economics, and business. (The content level of MATH 1324 is expected to be at or above the level of college algebra). Three hours of lecture per week.

### MATH 1325 - Math for Business and SS Majors 2

Limits and continuity, derivatives, graphing and optimization, exponential and logarithmic functions, antiderivatives, integration, applications to management, economics, and business. Prerequisite: MATH 1314, MATH 1414 or MATH 1324 (The content level of MATH 1325 is expected to be below the content level of Calculus I, MATH 2413). Three hours of lecture per week.

### MATH 1332 - Contemporary Mathematics

Topics may include introductory treatments of sets, logic, number systems, number theory, relations, functions, probability and statistics. Appropriate applications are included. This course is designed for liberal arts students. It will provide knowledge of the nature of mathematics as well as training in mathematical thinking and problem solving. All topics are motivated by real world applications and may include logic, problem solving, financial management, probability, statistics, modeling, and the mathematics of politics. Prerequisite: Either a C or better in MATH 0332 or MATH 0314 or fulfillment of TSIA2 requirements. Three hours of lecture per week.

### BIOL 1406 - Biology 1 Sci Majors

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included. Prerequisite: TSIA2 compliant. Three hours lecture and three hours lab per week.

### BIOL 1407 - Biology 2 Sci Majors

The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. Prerequisite: TSIA2 compliant. Three hours lecture and three hours lab per week.

### BIOL 2401 - Human Anatomy and Physiology I

Anatomy and Physiology I is the first part of a two course sequence. It is a study of the structure and function of the human



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body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. Three hours lecture and three hours lab per week.

**BIOL 2402- Human Anatomy and Physiology II**

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. Three hours lecture and three hours lab per week.

**PHYS 1401 - College Physics 1**

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; emphasis will be on problem solving. Prerequisites: MATH 1314 College Algebra, or MATH 1414 College Algebra, and MATH 1316 Plane Trigonometry OR MATH 2312 Pre-Calculus Math OR MATH 2412 Pre-Calculus Math OR equivalent academic preparation, or permission of the instructor. Corequisite: PHYX 1401 College Physics Laboratory I (lab). Three hours lecture and three hours lab per week.

**PHYS 1402 - College Physics 2**

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving. Prerequisite: PHYS 1401 College Physics I (lecture + lab). Corequisite: PHYX 1402 College Physics Laboratory II (lab). Three hours lecture and three hours lab per week.

**PHYS 1415 - Physical Science I**

Course, designed for Non-science majors, that surveys topics from physics, chemistry, geology, astronomy, and meteorology. Three hours lecture and three hours lab per week.

**BIOL 1408 - BIOL for Non-Sci Majors**

Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. Prerequisite: None. Three hours lecture and three hours laboratory per week.

**BIOL 1409 -- BIOL 2 for Non-Sci Majors**

This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Prerequisite: None. Three hours lecture and three hours laboratory per week.

**CHEM 1411 - General Chemistry 1**

Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gasses, and an introduction to thermodynamics and descriptive chemistry. Laboratory experiments support theoretical principles presented in CHEM 1411; introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports. Prerequisite: MATH 1314 College Algebra, or MATH 1414 College Algebra, or equivalent academic preparation, or

permission of the instructor.

Corequisite: CHEX 1411 General Chemistry I Three hours lecture and three hours lab per week.

**CHEM 1412 - General Chemistry 2**

Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry. Basic laboratory experiments support theoretical principles presented in CHEM 1412; introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports. Prerequisite: CHEM 1411 General Chemistry I (lecture + lab). Corequisite: CHEX 1412 General Chemistry II (lab). Three hours lecture and three hours lab per week.

**GEOL 1403 - Physical Geology**

Principles of physical and historical geology. Study of the earth's composition, structure, and internal and external processes. Includes the geologic history of the earth and the evolution of life. Laboratory activities will cover methods used to collect and analyze earth science data. Corequisite: GEOX 1403 Physical Geology Laboratory (lab). Three hours lecture and three hours lab per week.

**GEOL 1404 - Historical Geology**

A comprehensive survey of the history of life and major events in the physical development of Earth as interpreted from rocks and fossils. Laboratory activities will introduce methods used by scientists to interpret the history of life and major events in the physical development of Earth from rocks and fossils. Prerequisites: GEOL 1403 Physical Geology or permission of the instructor. Co-requisite: GEOX 1404 Historical Geology (lab). Three hours lecture and three hours lab per week.

**HIST 1301 - US History 1**

A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government. Prerequisite: A passing score on the TSIA2/THEA reading section. Three hours of lecture per week.

**HIST 1302 - US History 2**

A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U. S. foreign policy. Prerequisite: A passing score on the TSIA2/THEA reading section. Three hours of lecture per week.

**GOVT 2306 - Texas Government**

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas. This course satisfies three of the six hours of government required for a bachelor's degree from a state institution of higher education, as well as an Associate of Arts degree from Weatherford College. Students transferring credit hours from a Texas college or university using the GOVT 2305, 2306 sequence are advised that only GOVT 2301 may be combined with these hours to meet the content requirements of Texas Education Code 51.301. Prerequisite: A passing score on the TSIA2 reading section.

**GOVT 2305 - US Government**

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political

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participation, the national election process, public policy, civil liberties and civil rights. This course satisfies three of the six hours of government required for a bachelor's degree from a state institution of higher education, as well as an Associate of Arts degree from Weatherford College. Students transferring credit hours from a Texas college or university using the GOVT 2305, 2306 sequence are advised that only GOVT 2301 may be combined with these hours to meet the content requirements of Texas Education Code 51.301. Prerequisite: A passing score on the TSIA2 reading section. Three hours of lecture per week.

**ECON 2301 - Principles of Economics (Macro)**

An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, fiscal policy, and monetary policy. Three hours lecture per week. This course satisfies the Behavioral Science Core.

**PSYC 2301 - General Psychology**

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes. Three hours of lecture per week.

**PSYC 2314 - Lifespan Growth & Development**

Life-Span Growth and Development is a study of social, emotional, cognitive and physical factors and influences of a developing human from conception to death. Three hours of lecture per week.

**SOCI 1301 - Intro to Sociology**

The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance. Three lecture hours per week.

**MUSI 1310 - American Music**

General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music. Three hours of lecture per week.

**MUSI 1306 - Music Appreciation**

General survey of the history and literature of music, with the goal of intelligent listening and appreciation on the part of students. Important composers, forms, and characteristics of music are heard through recordings and live performances. No previous knowledge of music required. Recital attendance is required. Three hours of lecture per week.

**ARTS 1301-Art Appreciation**

Exploration of purposes and processes in the visual arts including evaluation of selected works. Three hours of lecture per week.

**ACCT 3201 - Principles of Financial Accounting 1**

This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS). Three hours of lecture per week.

**COSC 1301 - Introduction to Computing**

Overview of computer systems hardware, operating systems, the internet, and application software, including word processing, spreadsheets, presentation graphics, and databases. Current topics such as the effect of computers on society, and the history and use of computers in business, educational, and other interdisciplinary settings are also studied. This course is not intended to count toward a student's major field of study in business or computer science. NOTE: This course is NOT recommended for business, mathematics and computer science majors. Prerequisite: Keyboarding proficiency. Two hours lecture and four hours lab per week.

**EDUC 1300 - Learning Frameworks**

A study of the research and theory in the psychology of learning, cognition and motivation; factors that impact learning; and application of learning strategies. Theoretical models of strategic learning, cognition and motivation serve as the conceptual basis for the introduction of college-level study strategies. Students use assessment instruments (e.g. learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply learning skills discussed to their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned.

## DUAL CREDIT OPPORTUNITIES (TARLETON STATE UNIVERSITY)

Weatherford ISD is proud to partner with Tarleton University in order to provide dual enrollment learning opportunities for our students. Upon successful completion of a dual enrollment course, students will be awarded college and high school credit simultaneously. Students will complete high school coursework in conjunction with college coursework during the dual credit courses, which provide advanced academic instruction beyond, or in greater depth than, the Texas Essential Knowledge and Skills (TEKS) for the corresponding high school course through concurrent enrollment.

Students must complete the dual credit application process determined by WISD and the participating college institution by the designated WISD deadline (deadline might be different than colleges). Students are responsible for verifying the transferability of course credit to the college/university of choice. Please check with colleges/universities before registering for Dual Credit courses. Three coherent sequences are laid out for students:

Weatherford ISD students may take the following Dual Credit courses with Tarleton Today:

**MATH 1314 - Algebra II Honors**                      **0241TA/0241TB**  
This course is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices.

**MATH 1342 - Elementary Statistical Methods**                      **course code**  
Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Technology will be incorporated where appropriate.

**MATH 2412 - Precalculus**                      **0250TA/0250TB**  
This course is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices.

**ANSC 1319/1119 Advanced Animal Science**                      **1605TA/1605TB**  
The scientific study of animal agriculture involving beef cattle, dairy cattle, swine, sheep, goats, and horses. Topics covered will include general management practices, reproduction, nutrition, health, handling, genetic selection, shelter/housing and marketing strategies and procedures. Prerequisites: Concurrent enrollment in ANSC 1119.

**HORT 1301 - Horticulture**                      **1599TA/1599TB**  
The Course is designed to develop and understanding of common horticultural management practices as they relate to food and ornamental plant production

## GRIT TECHNICAL DUAL CREDIT (WEATHERFORD COLLEGE)

Students interested in the technical dual credit courses might have additional application requirements and procedures determined by Weatherford College. Please check with the CTE Advisor at WHS for additional information.

Pathway Transportation, Distribution & Logistics	IHE Partner				Postsecondary Degree or Credential				
Automotive Technology	Weatherford College				(DRAFT) Associate in Applied Science (60 Hours)				
Class Year Grade Level	High School Course				Postsecondary Course				
	Semester	Course #	High School Course Name	High School Credits	Dual Credit Eligibility	Postsecondary Course Abbreviation	College Course Name	College Credit Hours	
Grade 9	Fall/Spring		English 1	1	No				
Grade 9	Fall/Spring		Algebra 1	1	No				
Grade 9	Fall/Spring		Biology	1	No				
Grade 9	Fall/Spring		World Geography Studies	1	No				
Grade 9	Fall/Spring		Fine Art	1	No				
Grade 9	Fall/Spring		Auto Basics	1	Yes	AUMT 1305, 1319, 1310, 2302	Introduction to Auto Technology, Auto Engine Repair, Auto Brake Systems, Automotive Compression, Ignition Engines & Fuel Systems	12	
Grade 9	Fall/Spring		Foreign Language	1	No				
Grade 9	Fall/Spring		PE/Athletics	1	No				
<b>Total Year 1 High School Credits</b>				<b>8</b>	<b>Total Year 1 College Credit Hours</b>				<b>12</b>
Grade 10	Fall/Spring		English 2	1	No				
Grade 10	Fall/Spring		Geometry	1	No				
Grade 10	Fall/Spring		Chemistry	1	No				
Grade 10	Fall/Spring		World History	1	No				
Grade 10	Fall/Spring		Foreign Language	1	No				
Grade 10	Fall or Spring		Elective	.5	Yes	SPCH 1311	Introduction to Speech Communication	3	
Grade 10	Fall or Spring		Elective	.5	Yes	PSYCH 2301	General Psychology	3	
Grade 10	Fall/Spring		Automotive 1	2	Yes	AUMT 1307, 1316, 2325, 2313, 2317	Auto Electric Systems, Auto Suspension/ Steering, Automatic Transmission & Transaxle, Automotive DriveTrain & Axles, Auto Engine Analysis I	15	
<b>Total Year 2 High School Credits</b>				<b>8</b>	<b>Total Year 2 College Credit Hours</b>				<b>21</b>
Grade 11	Fall/Spring		English 3	1	No				
Grade 11	Fall/Spring		Algebra 2	1	No				
Grade 11	Fall/Spring		Physics	1	No				
Grade 11	Fall/Spring		US History	1	No				
Grade 11	Fall or Spring		Elective	.5	Yes	MUSC 1306 or ARTS 1301	Music Appreciation Art Appreciation	3	
Grade 11	Fall or Spring		Elective	.5	No				
Grade 11	Fall/Spring		Automotive 2	2	Yes	AUMT 2321, 2334, 2307, 1345	Automotive Electrical Diagnosis & Repair, Auto Engine Analysis II, Auto Engine Analysis I, Hybrid Systems Diagnostics, Automotive Climate Control Systems	12	
Grade 11	Fall/Spring		Elective	1	No				
<b>Total Year 3 High School Credits</b>				<b>8</b>	<b>Total Year 3 College Credit Hours</b>				<b>15</b>
Grade 12	Fall		English 4	.5	Yes	*ENGL 1301	Composition I	3	
Grade 12	Spring		English 4	.5	Yes	*ENGL 2311	Tech Writing	3	
Grade 12	Fall or Spring		Advanced Math	.5	Yes	*MATH 1332	Contemporary Math	3	
Grade 12	Fall or Spring		Advanced Math	.5	No				
Grade 12	Fall/Spring		4 <sup>th</sup> Year Science	1	No				
Grade 12	Fall		US Government	.5	No				
Grade 12	Spring		Economics	.5	No				
Grade 12	Fall/Spring		Automotive Practicum	2	Yes	AUMT 1380, 2381	Cooperative Education Auto Mechanic Tech, Cooperative Education Auto Mechanic Tech	6	
<b>Total Year 4 High School Credits</b>				<b>6</b>	<b>Total Year 4 College Credit Hours</b>				<b>15</b>
<b>Total High School Credits</b>				<b>30</b>	<b>Total College Credit Hours</b>				<b>63</b>
					*Course Requires Passing TSIA				

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Pathway Transportation, Distribution & Logistics		IHE Partner			Postsecondary Degree or Credential				
Cosmetology		Weatherford College			(DRAFT)Associate in Applied Science (60 Hours)				
Class Year Grade Level	High School Course				Postsecondary Course				
	Semester	Course #	High School Course Name	High School Credits	Dual Credit Eligibility	Postsecondary Course Abbreviation	College Course Name	College Credit Hours	
Grade 9	Fall/Spring		English 1	1	No				
Grade 9	Fall/Spring		Algebra 1	1	No				
Grade 9	Fall/Spring		Biology	1	No				
Grade 9	Fall/Spring		World Geography Studies	1	No				
Grade 9	Fall/Spring		Fine Art	1	No				
Grade 9	Fall/Spring		Intro to Cosmetology	1	No				
Grade 9	Fall/Spring		Foreign Language	1	No				
Grade 9	Fall/Spring		PE/Athletics	1	No				
<b>Total Year 1 High School Credits</b>				<b>8</b>		<b>Total Year 1 College Credit Hours</b>			
Grade 10	Fall/Spring		English 2	1	No				
Grade 10	Fall/Spring		Geometry	1	No				
Grade 10	Fall/Spring		Chemistry	1	No				
Grade 10	Fall/Spring		World History	1	No				
Grade 10	Fall/Spring		Foreign Language	1	No				
Grade 10	Fall or Spring		Elective	.5	Yes	SPCH 1311	Introduction to Speech Communication	3	
Grade 10	Fall or Spring		Elective	.5	Yes	PSYCH 2301	General Psychology	3	
Grade 10	Fall/Spring		Elective	1	No				
Grade 10	Fall/Spring		Principles of Cosmetology Design & Color Theory	1	Yes	CSME 1401, 2501	Orientation to Cosmetology, Principles of Hair Coloring Theory	9	
<b>Total Year 2 High School Credits</b>				<b>8</b>		<b>Total Year 2 College Credit Hours</b>			<b>15</b>
Grade 11	Fall/Spring		English 3	1	No				
Grade 11	Fall/Spring		Algebra 2	1	No				
Grade 11	Fall/Spring		Physics	1	No				
Grade 11	Fall/Spring		US History	1	No				
Grade 11	Fall or Spring		Elective	.5	Yes	MUSC 1306 or ARTS 1301	Music Appreciation Art Appreciation	3	
Grade 11	Fall or Spring		Elective	.5	No				
Grade 11	Fall/Spring		Cosmetology I	3	Yes	CSME 1505, 1451	Fundamentals of Cosmetology, Artistry of Hair, Theory/Practice	9	
<b>Total Year 3 High School Credits</b>				<b>8</b>		<b>Total Year 3 College Credit Hours</b>			<b>12</b>
Grade 12	Fall		English 4	.5	Yes	*ENGL 1301	Composition I	3	
Grade 12	Spring		English 4	.5	Yes	*ENGL 2311	Tech Writing	3	
Grade 12	Fall or Spring		Advanced Math	.5	Yes	*MATH 1332	Contemporary Math	3	
Grade 12	Fall or Spring		Advanced Math	.5	No				
Grade 12	Fall/Spring		4 <sup>th</sup> Year Science	1	No				
Grade 12	Fall		US Government	.5	No				
Grade 12	Spring		Economics	.5	No				
Grade 12	Fall/Spring		Cosmetology II	3	Yes	CSME 2343, 1543, 1547, 1553, 2310, 2350	Salon Development, Manicuring & Related Theory, Principles of Skin Care/Face Theory, Chemical Reformation Theory, Advanced Hair Cutting, Preparation for State Licensing Exam	24	
<b>Total Year 4 High School Credits</b>				<b>8</b>		<b>Total Year 4 College Credit Hours</b>			<b>33</b>
<b>Total High School Credits</b>				<b>32</b>		<b>Total College Credit Hours</b>			<b>60</b>
						<b>*Course Requires Passing TSIA</b>			



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<b>Pathway</b> Transportation, Distribution & Logistics	<b>IHE Partner</b>	<b>Postsecondary Degree or Credential</b>
Cybersecurity	Weatherford College	(DRAFT)Associate in Applied Science (57 Hours)

Class Year Grade Level	High School Course				Postsecondary Course			
	Semester	Course #	High School Course Name	High School Credits	Dual Credit Eligibility	Postsecondary Course Abbreviation	College Course Name	College Credit Hours
Grade 9	Fall/Spring		English 1	1	No			
Grade 9	Fall/Spring		Algebra 1	1	No			
Grade 9	Fall/Spring		Biology	1	No			
Grade 9	Fall/Spring		World Geography Studies	1	No			
Grade 9	Fall/Spring		Elective	1	No			
Grade 9	Fall/Spring		Foundations of Cybersecurity	1	Yes	ITSY 1300 ITDF 1300	Fundamentals of Information Security Introduction to Digital Forensics	6
Grade 9	Fall/Spring		Foreign Language	1	No			
Grade 9	Fall/Spring		PE/Athletics	1	No			
<b>Total Year 1 High School Credits</b>				<b>8</b>		<b>Total Year 1 College Credit Hours</b>		<b>6</b>
Grade 10	Fall/Spring		English 2	1	No			
Grade 10	Fall/Spring		Geometry	1	No			
Grade 10	Fall/Spring		Chemistry	1	No			
Grade 10	Fall/Spring		World History	1	No			
Grade 10	Fall/Spring		Foreign Language	1	No			
Grade 10	Fall or Spring		Elective	.5	Yes	SPCH 1311	Introduction to Speech Communication	3
Grade 10	Fall or Spring		Elective	.5	Yes	PSYCH 2301	General Psychology	3
Grade 10	Fall/Spring		Computer Science I DC	1	Yes	ITSE 1359	Introduction to Scripting Languages-Python	3
Grade 10	Fall/Spring		Networking/Lab	1	Yes	ITNW 1309, CPMT 1351, ITSY 2300	Fundamentals of Cloud Computing IT Essentials: PC Hardware & Software Operating Systems Security	9
<b>Total Year 2 High School Credits</b>				<b>8</b>		<b>Total Year 2 College Credit Hours</b>		<b>18</b>
Grade 11	Fall/Spring		English 3	1	No			
Grade 11	Fall/Spring		Algebra 2	1	No			
Grade 11	Fall/Spring		Physics	1	No			
Grade 11	Fall/Spring		US History	1	No			
Grade 11	Fall or Spring		Elective	.5	Yes	MUSC 1306 or ART 1301	Music Appreciation Art Appreciation	3
Grade 11	Fall/Spring		Elective	1	No			
Grade 11	Fall/Spring		Internetworking I	1	Yes	ITNW 1313	Computer Virtualization	3
Grade 11	Fall/Spring		Computer Science II DC	1	Yes	ITSC 1316, 1315 ITSY 2301	Linux Installation & Configuration, IT Project Management Firewalls and Network Security	9
<b>Total Year 3 High School Credits</b>				<b>8</b>		<b>Total Year 3 College Credit Hours</b>		<b>15</b>
Grade 12	Fall		English 4	.5	Yes	*ENGL 1301	Composition I	3
Grade 12	Spring		English 4	.5	Yes	*ENGL 2311	Tech Writing	3
Grade 12	Fall		Advanced Math	.5	Yes	*MATH 1342	Elementary Stats	3
Grade 12	Spring		Advanced Math	.5	No			
Grade 12	Fall/Spring		4 <sup>th</sup> Year Science	1	No			
Grade 12	Fall		US Government	.5	No			
Grade 12	Spring		Economics	.5	No			
Grade 12	Fall/Spring		Cybersecurity Capstone	2	Yes	ITSY 2341 ITSY 2342	Security Management Practices, Incident Response & Handling	6
<b>Total Year 4 High School Credits</b>				<b>6</b>		<b>Total Year 4 College Credit Hours</b>		<b>15</b>
<b>Total High School Credits</b>				<b>30</b>		<b>Total College Credit Hours</b>		<b>54</b>
						<b>*Course Requires Passing TSIA</b>		

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<b>Pathway</b> Transportation, Distribution & Logistics	<b>IHE Partner</b>	<b>Postsecondary Degree or Credential</b>
Education & Training	Weatherford College	(DRAFT)Associate of Arts in Teaching (60 Hours)

Class Year Grade Level	High School Course				Postsecondary Course				
	Semester	Course #	High School Course Name	High School Credits	Dual Credit Eligibility	Postsecondary Course Abbreviation	College Course Name	College Credit Hours	
Grade 9	Fall/Spring		English 1	1	No				
Grade 9	Fall/Spring		Algebra 1	1	No				
Grade 9	Fall/Spring		Biology	1	No				
Grade 9	Fall/Spring		World Geography	1	No				
Grade 9	Fall/Spring		Foreign Language	1	No				
Grade 9	Fall/Spring		Principles of Human Services	1	No				
Grade 9	Fall/Spring		Fine Art	1	No				
Grade 9	Fall/Spring		PE/Athletics	1	No				
<b>Total Year 1 High School Credits</b>				<b>8</b>	<b>Total Year 1 College Credit Hours</b>				
Grade 10	Fall/Spring		English 2	1	No				
Grade 10	Fall/Spring		Geometry	1	No				
Grade 10	Fall/Spring		Chemistry	1	No				
Grade 10	Fall/Spring		World History	1	No				
Grade 10	Fall/Spring		Foreign Language	1	No				
Grade 10	Fall or Spring		Elective	.5	Yes	MUSC 1306	Music Appreciation	3	
Grade 10	Fall or Spring		Elective	.5	Yes	PSYCH 2301	General Psychology	3	
Grade 10	Fall/Spring		Elective	1	No				
Grade 10	Fall/Spring		Child Development	1	No				
<b>Total Year 2 High School Credits</b>				<b>8</b>	<b>Total Year 2 College Credit Hours</b>				<b>6</b>
Grade 11	Fall/Spring		English 3	1	Yes	*ENGL 1301 *ENGL 1302	Composition I Composition II	6	
Grade 11	Fall/Spring		Algebra 2	1	Yes	*MATH 1314	College Algebra	3	
Grade 11	Fall/Spring		Physics	1	Yes	GEOL 1403	Physical Geology	4	
Grade 11	Fall/Spring		US History	1	Yes	*HIST 1301 *HIST 1302	US History I US History II	6	
Grade 11	Fall/Spring		Elective	1	No				
Grade 11	Fall/Spring		Elective	1	No				
Grade 11	Fall/Spring		Teacher Intern I	2	Yes	TECA 1311 TECA 1354	Educating Your Children Child Growth & Development	6	
<b>Total Year 3 High School Credits</b>				<b>8</b>	<b>Total Year 3 College Credit Hours</b>				<b>25</b>
Grade 12	Fall/Spring		English 4	1	Yes	*ENGL 2322 (or other literature)	British Literature I	3	
Grade 12	Fall/Spring		Advanced Math	1	Yes	*MATH 1350 *MATH 1351	Mathematics for Teachers I Mathematics for Teachers II	6	
Grade 12	Fall/Spring		4 <sup>th</sup> Year Science	1	Yes	BIOL 1408 PHYS 1415	Biology for Non-Science Majors I Physical Science I	8	
Grade 12	Fall or Spring		US Government	.5	Yes	*GOVT 2305	Federal Government	3	
Grade 12	Fall or Spring		Elective	.5	Yes	*GOVT 2306	Texas Government	3	
Grade 12	Fall or Spring		Economics	.5	No				
Grade 12	Fall/Spring		Teacher Intern II	2	Yes	EDUC 1301 EDUC 2301	Introduction to the Teaching Profession Introduction to Special Populations	6	
<b>Total Year 4 High School Credits</b>				<b>7</b>	<b>Total Year 4 College Credit Hours</b>				<b>29</b>
<b>Total High School Credits</b>				<b>31</b>	<b>Total College Credit Hours</b>				<b>60</b>
					<b>*Course Requires Passing TSIA</b>				

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Pathway Transportation, Distribution & Logistics		IHE Partner			Postsecondary Degree or Credential				
Health Science		Weatherford College			(DRAFT)Associate of Arts (60 Hours)				
Class Year Grade Level	High School Course				Postsecondary Course				
	Semester	Course #	High School Course Name	High School Credits	Dual Credit Eligibility	Postsecondary Course Abbreviation	College Course Name	College Credit Hours	
Grade 9	Fall/Spring		English 1	1	No				
Grade 9	Fall/Spring		Algebra 1	1	No				
Grade 9	Fall/Spring		Biology	1	No				
Grade 9	Fall/Spring		World Geography Studies	1	No				
Grade 9	Fall/Spring		Foreign Language	1	No				
Grade 9	Fall/Spring		Principles of Health Science	1	No				
Grade 9	Fall/Spring		Fine Art	1	No				
Grade 9	Fall/Spring		PE/Athletics	1	No				
<b>Total Year 1 High School Credits</b>				<b>8</b>	<b>Total Year 1 College Credit Hours</b>				
Grade 10	Fall/Spring		English 2	1	No				
Grade 10	Fall/Spring		Geometry	1	No				
Grade 10	Fall/Spring		Chemistry	1	No				
Grade 10	Fall/Spring		World History	1	No				
Grade 10	Fall/Spring		Foreign Language	1	No				
Grade 10	Fall or Spring		Elective	.5	Yes	MUSC 1306 or ART 1301	Music Appreciation or Art Appreciation	3	
Grade 10	Fall or Spring		Elective	.5	Yes	PSYC 2301	General Psychology	3	
Grade 10	Fall or Spring		Elective	.5	Yes	PSYC 2314	Lifespan Growth & Development	3	
Grade 10	Fall or Spring		Elective	.5	Yes	SPCH 1311	Intro to Speech Communication	3	
Grade 10	Fall/Spring		Medical Terminology DC	1	Yes	HRPS 1206	Medical Terminology	2	
<b>Total Year 2 High School Credits</b>				<b>8</b>	<b>Total Year 2 College Credit Hours</b>				<b>14</b>
Grade 11	Fall/Spring		English 3	1	Yes	*ENGL 1301 *ENGL 1302	Composition I Composition II	6	
Grade 11	Fall/Spring		Algebra 2	1	No				
Grade 11	Fall/Spring		Physics	1	No				
Grade 11	Fall/Spring		US History	1	Yes	*HIST 1301 *HIST 1302	United States History I United States History II	6	
Grade 11	Fall/Spring		Elective	1	No				
Grade 11	Fall/Spring		Elective	.5	Yes	KINE 1164	Intro to Physical Fitness	1	
Grade 11	Fall/Spring		Anatomy & Physiology (1 credit) or Health Science Theory (2 credits)	1/2	Yes	BIOL 2401 BIOL 2402	Human Anatomy & Physiology I Human Anatomy & Physiology II	8	
<b>Total Year 3 High School Credits</b>				<b>8</b>	<b>Total Year 3 College Credit Hours</b>				<b>21</b>
Grade 12	Fall/Spring		English 4	1	Yes	*ENGL 2311 *ENGL 2323	Tech Writing British Literature II	6	
Grade 12	Fall/Spring		Advanced Math	.5	No				
Grade 12	Fall/Spring		Advanced Math	.5	Yes	*MATH 1332	Contemporary Math	3	
Grade 12	Fall or Spring		Science	.5	Yes	BIOL 2420	Microbiology	4	
Grade 12	Fall or Spring		Science	.5	Yes	BIOL 1322 or CHEM 1406 or CHEM1411	Nutrition, Intro to Chem., General Chem.	3 or 4	
Grade 12	Fall or Spring		US Government	.5	Yes	*GOVT 2305	Federal Government	3	
Grade 12	Fall or Spring		Economics	.5	No				
Grade 12	Fall or Spring		Elective	.5	Yes	*GOVT 2306	Texas Government	3	
Grade 12	Fall or Spring		Elective	.5	Yes	SOCI 1301	Intro to Sociology	3	
Grade 12	Fall/Spring		Pathophysiology (1 credit) or Practicum in Health Science (2 credits)	2	No				
<b>Total Year 4 High School Credits</b>				<b>7</b>	<b>Total Year 4 College Credit Hours</b>				<b>25 or 26</b>
<b>Total High School Credits</b>				<b>31</b>	<b>Total College Credit Hours</b>				<b>60</b>
					<b>*Course Requires Passing TSIA</b>				

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Pathway Transportation, Distribution & Logistics		IHE Partner			Postsecondary Degree or Credential			
Manufacturing (Welding)		Weatherford College			(DRAFT)Associate in Applied Science (60 Hours)			
Class Year Grade Level	High School Course				Postsecondary Course			
	Semester	Course #	High School Course Name	High School Credits	Dual Credit Eligibility	Postsecondary Course Abbreviation	College Course Name	College Credit Hours
Grade 9	Fall/Spring		English 1	1	No			
Grade 9	Fall/Spring		Algebra 1	1	No			
Grade 9	Fall/Spring		Biology	1	No			
Grade 9	Fall/Spring		World Geography Studies	1	No			
Grade 9	Fall/Spring		Fine Art	1	No			
Grade 9	Fall/Spring		Intro to Welding	1	Yes	WLDG 1317 WLDG 1313 WLDG 1202 WLDG. 1428	Intro to Layout & Fabrication Intro to Blueprint Reading Fundamentals of GTAW Intro to SMAW	12
Grade 9	Fall/Spring		Foreign Language	1	No			
Grade 9	Fall/Spring		PE/Athletics	1	No			
<b>Total Year 1 High School Credits</b>				<b>8</b>	<b>Total Year 1 College Credit Hours</b>			<b>12</b>
Grade 10	Fall/Spring		English 2	1	No			
Grade 10	Fall/Spring		Geometry	1	No			
Grade 10	Fall/Spring		Chemistry	1	No			
Grade 10	Fall/Spring		World History	1	No			
Grade 10	Fall/Spring		Foreign Language	1	No			
Grade 10	Fall or Spring		Elective	.5	Yes	SPCH 1311	Introduction to Speech Communication	3
Grade 10	Fall or Spring		Elective	.5	Yes	PSYCH 2301	General Psychology	3
Grade 10	Fall/Spring		Welding I	2	Yes	WLDG 1206, 1327, 1307, 1457	Fundamentals of GTAW Welding Codes & Standards Intro to Welding Multiple Processes, Intermediate SMAW	12
<b>Total Year 2 High School Credits</b>				<b>8</b>	<b>Total Year 2 College Credit Hours</b>			<b>18</b>
Grade 11	Fall/Spring		English 3	1	No			
Grade 11	Fall/Spring		Algebra 2	1	No			
Grade 11	Fall/Spring		Physics	1	No			
Grade 11	Fall/Spring		US History	1	No			
Grade 11	Fall or Spring		Elective	.5	Yes	MUSC 1306	Music Appreciation	3
Grade 11	Fall or Spring		Elective	.5	No			
Grade 11	Fall/Spring		Welding II	2	Yes	WLDG 1435 WLDG 1353 WLDG 2432	Intro to Pipe Welding Intermediate Layout & Fab. Welding Automation	11
Grade 11	Fall/Spring		Elective	1	No			
<b>Total Year 3 High School Credits</b>				<b>8</b>	<b>Total Year 3 College Credit Hours</b>			<b>14</b>
Grade 12	Fall/Spring		English 4	1	Yes	*ENGL 1301	Composition I	3
Grade 12	Fall or Spring		Advanced Math	.5	Yes	*MATH 1332	Contemporary Math	3
Grade 12	Fall or Spring		Advanced Math	.5	No			
Grade 12	Fall/Spring		4 <sup>th</sup> Year Science	1	No			
Grade 12	Fall		US Government	.5	No			
Grade 12	Spring		Economics	.5	No			
Grade 12	Fall/Spring		Welding Practicum	2	Yes	WLDG 2406 WLDG 2388 OSHT 1301	Intermediate Pipe Welding Internship Welding Technology/Welder Intro to Safety & Health	10
<b>Total Year 4 High School Credits</b>				<b>6</b>	<b>Total Year 4 College Credit Hours</b>			<b>16</b>
<b>Total High School Credits</b>				<b>30</b>	<b>Total College Credit Hours</b>			<b>60</b>
					<b>*Course Requires Passing TSIA</b>			

**TECHNICAL DUAL CREDIT INTRODUCTION TO WELDING (WLDG 1428) – INTRODUCTION TO SHIELDED METAL ARC WELDING**

**Grade Placement: 9 | Credit 1.0**

4 semester credit hours

An introduction to shielded metal arc welding process. Emphasis placed on power sources, electrode selection, oxy-fuel cutting, and various joint designs.

**TECHNICAL DUAL CREDIT INTRODUCTION TO WELDING (WLDG 1317) – INTRODUCTION TO LAYOUT & FABRICATION**

**Grade Placement: 9 | Credit 1.0**

4 semester credit hours

A fundamental course in layout and fabrication related to the welding industry. Major emphasis on structural shapes and use in construction. The student will identify welding symbols; identify and select measuring instruments and tools for fabricating projects; recognize correct layout and fabrication terminology; and identify structural shapes and materials.

**TECHNICAL DUAL CREDIT WELDING I (WLDG 1202) – FUNDAMENTALS OF GMAW**

**Grade Placement: 9 | Credit 2.0**

2 semester credit hours

Setup and safe use of GMAW equipment as well as instruction in various basic weld joints.

**TECHNICAL DUAL CREDIT WELDING I (WLDG 1313) – INTRODUCTION TO BLUEPRINT READING**

**Grade Placement: 9 | Credit 2.0**

3 semester credit hours

A study of industrial blueprints. Emphasis placed on terminology, symbols, graphic description, and welding processes. Includes systems of measurement and industry standards. Also includes interpretation of plans and drawings used by industry to facilitate field application and production.

**TECHNICAL DUAL CREDIT WELDING II (WLDG 1206) – FUNDAMENTALS OF GTAW**

**Grade Placement: 10, 11 | Credit 2.0**

2 semester credit hours

Setup and safe use of GTAW equipment as well as instruction in flat positions on joint designs.

**TECHNICAL DUAL CREDIT WELDING II (WLDG 1307) – INTRODUCTION TO WELDING MULTI-PROCESSES**

**Grade Placement: 10, 11 | Credit 2.0**

3 semester credit hours

Basic welding processes. Includes oxy-fuel welding (OFW) and cutting, shielded metal arc welding (SMAW), flux cored arc welding (FCAW), gas metal arc welding (GMAW), and gas tungsten arc welding (GTAW).

**TECHNICAL DUAL CREDIT WELDING I (WLDG 1457) – INTERMEDIATE TO SHIELDED METAL ARC WELDING**

**Grade Placement: 10, 11 | Credit 2.0**

3 semester credit hours

A study of the production of various filets and groove welds. Preparation of specimens for testing in all test positions.

**TECHNICAL DUAL CREDIT WELDING II (WLDG 1327) – WELDING CODES AND STANDARDS**

**Grade Placement: 10, 11 | Credit 2.0**

3 semester credit hours

An in-depth study of welding codes and their development in accordance with structural standards, welding processes, destructive and nondestructive test methods.

**TECHNICAL DUAL CREDIT WELDING I (WLDG 1435) – INTRODUCTION TO PIPE WELDING**

**Grade Placement: 11 | Credit 2.0**

4 semester credit hours

An introduction to welding of pipe using the shielded metal arc welding process (SMAW), including electrode selection, equipment setup, and safe shop practices. Emphasis on various welding positions and electrodes.

**TECHNICAL DUAL CREDIT WELDING II (WLDG 1353) – INTERMEDIATE LAYOUT & FABRICATION**

**Grade Placement: 11 | Credit 2.0**

3 semester credit hours

An intermediate course in layout and fabrication. Includes design and production of shop layout and fabrication. Emphasis placed on symbols, blueprints, and written specifications.

**TECHNICAL DUAL CREDIT WELDING II (WLDG 2432) – WELDING AUTOMATION**

**Grade Placement: 11 | Credit 2.0**

4 semester credit hours

Overview of automated welding and cutting applications. Special emphasis on safe use and operation of equipment.

**TECHNICAL DUAL CREDIT WELDING II (WLDG 2406) – INTERMEDIATE PIPE WELDING**

**Grade Placement: 12 | Credit 2.0**

4 semester credit hours

This is a comprehensive course on welding of pipe using the shielded metal arc welding (SMAW) process. Welding will be done using various positions. Topics covered include electrode selection, equipment setup, and safe shop practices.

**TECHNICAL DUAL CREDIT WELDING II (WLDG 2388) – INTERNSHIP WELDING TECHNOLOGY/WELDER**

**Grade Placement: 12 | Credit 2.0**

6 semester credit hours

A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and employer

**TECHNICAL DUAL CREDIT WELDING I (OSHT 1301) – INTRODUCTION TO SAFETY AND HEALTH**

**Grade Placement: 12 | Credit 2.0**

3 semester credit hours

Instruction in proper safety and health conditions of the welding industry.

**TECA 1311-EDUCATING YOUNG CHILDREN**

An introduction to the education of the young child, including developmentally appropriate practices and programs, theoretical and historical perspectives, ethical and professional responsibilities, and current issues. Content is aligned as applicable with the State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Students will participate in field experiences with children from infancy through age 12. Passage of a background check is required for this course. Three hours lecture per week and 16 hours of field experience per semester. Offered spring semester.

**TECA 1354-CHILD GROWTH AND DEVELOPMENT**

A study of the physical, emotional, social, and cognitive factors impacting growth and development of children through adolescence. Three hours of lecture per week.

**EDUC 1301- INTRODUCTION TO THE TEACHING PROFESSION**

An enriched, integrated pre-service course and content experience that provides active recruitment and institutional support of students interested in a teaching career, especially in high need fields. The course provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations and provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to and analysis of the culture of schooling and classrooms. Course content should be aligned as applicable with the State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Course must include a minimum of 16 contact hours of field experience in P-12 classrooms. Must be TSI-complete in reading and writing.

**EDUC 2301- INTRODUCTION TO SPECIAL POPULATIONS**

An enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations.

**MATH 1350- Mathematics for Teachers I** **course code**

This course is designed for elementary and middle school education majors, but is open to all students. This course covers an introduction to problem solving, set theory, functions, other numeration systems, integers, number theory, rational numbers, and real numbers. Emphasis is placed on the National Council of Teachers of Mathematics Standards, the Texas Essential



**WEATHERFORD INDEPENDENT SCHOOL DISTRICT  
ACADEMIC PLANNING GUIDE**

Knowledge and Skills, and the College and Career Readiness Standards for the elementary and middle school levels. Exercises are designed to allow students to demonstrate their reasoning ability to solve problems using a problem solving approach. Also, the students develop conceptual understanding through using math manipulatives. Three hours of lecture per week.

**MATH 1351- Mathematics for Teachers II course code**

This course is designed specifically for students who seek middle grade (4 through 8) teacher certification. This course includes study of statistics, probability, geometry, and measurement. The course looks at using math manipulatives to develop conceptual understanding. Exercises are designed to allow students to demonstrate their reasoning ability to solve problems using a problem solving approach. Three hours of lecture per week.

**TECHNICAL DUAL CREDIT COSMETOLOGY I (CSME 1401) – ORIENTATION TO COSMETOLOGY**

**Grade Placement: 10 | Credit 3.0**

4 semester credit hours

An overview of the skills and knowledge necessary for the field of cosmetology.

**TECHNICAL DUAL CREDIT COSMETOLOGY I (CSME 2501) – PRINCIPLES OF HAIR COLORING/THEORY**

**Grade Placement: 10 | Credit 3.0**

5 semester credit hours

Presentation of the theory and practice of hair color and chemistry. Topics include terminology, application and workplace competencies related to hair color and chemistry.

**TECHNICAL DUAL CREDIT COSMETOLOGY I (CSME 1451) ARTISTRY OF HAIR, THEORY/PRACTICE**

**Grade Placement: 11 | Credit 3.0**

4 semester credit hours

Instruction in the artistry of hair design. Topics include theory, techniques and applications of hair design.

**TECHNICAL DUAL CREDIT COSMETOLOGY I (CSME 1505) – FUNDAMENTALS OF COSMETOLOGY**

**Grade Placement: 11 | Credit 3.0**

5 semester credit hours

A course in the basic fundamentals of cosmetology. Topics include service preparation manicure, facial, chemical services, shampoo, haircut, wet styling, and comb out.

**TECHNICAL DUAL CREDIT COSMETOLOGY II (CSME 1543) – MANICURING AND RELATED THEORY**

**Grade Placement: 12 | Credit 3.0**

5 semester credit hours

Presentation of the theory and practice of nail technology. Topics include terminology, application, and workplace competencies related to nail technology.

**TECHNICAL DUAL CREDIT COSMETOLOGY II (CSME 1553) – CHEMICAL REFORMATION THEORY**

**Grade Placement: 12 | Credit 3.0**

5 semester credit hours

Presentation of the theory and practice of chemical reformation. Topics include terminology, application, and workplace competencies related to chemical reformation.

**TECHNICAL DUAL CREDIT COSMETOLOGY II (CSME 2343) – SALON DEVELOPMENT**

**Grade Placement: 12 | Credit 3.0**

3 semester credit hours

Exploration of salon development. Topics include professional ethics and goals, salon operation, and record keeping.

**TECHNICAL DUAL CREDIT COSMETOLOGY II (CSME 2350) – PREPARATION FOR STATE LICENSING EXAM**

**Grade Placement: 12 | Credit 3.0**

3 semester credit hours

Preparation for the Texas Cosmetology Commission Operator Examination.

**TECHNICAL DUAL CREDIT COSMETOLOGY II (CSME 2310) – ADVANCED HAIR CUTTING THEORY**

**Grade Placement: 12 | Credit 3.0**

3 semester credit hours

Advanced concepts and practice of haircutting. Topics include haircuts utilizing scissors, razor, and/or clippers.

**TECHNICAL DUAL CREDIT COSMETOLOGY II (CSME 1547) – PRINCIPLES OF SKIN CARE/FACE THEORY**

**Grade Placement: 12 | Credit 3.0**

5 semester credit hours

In-depth coverage of the theory and practice of skin care, facials, and cosmetics.

**TECHNICAL DUAL CREDIT INTRODUCTION TO CYBERSECURITY (ITSY 1300) - FUNDAMENTALS OF INFORMATION SECURITY**

**Grade Placement 9 | Credit: 1.0**

3 semester credit hours

An introduction to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed.

**TECHNICAL DUAL CREDIT INTRODUCTION TO CYBERSECURITY (ITDF 1300) - INTRODUCTION TO DIGITAL FORENSICS**

**Grade Placement 9 | Credit: 1.0**

3 semester credit hours

A study of the application of digital forensic technology to collect, analyze, document, and present information while maintaining a documented chain of custody. Overview of ethics, crime, and other legal guidelines/regulations/laws. Includes overview of tools used for forensic analysis of digital devices in investigations.

**TECHNICAL DUAL CREDIT CYBERSECURITY I (ITNW 1309) - FUNDAMENTALS OF CLOUD COMPUTING**

**Grade Placement 10 | Credit: 2.0**

3 semester credit hours

Introduction to Cloud computing from a business and technical perspective including Cloud concepts, services, architecture, system integration, connectivity, data center migration, administration, security, compliance and technical support.

**TECHNICAL DUAL CREDIT CYBERSECURITY I (CPMT 1351) - IT ESSENTIALS: PF HARDWARE AND SOFTWARE**

**Grade Placement 10 | Credit: 2.0**

3 semester credit hours

An introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level information and communication technology (ICT) professionals. The curriculum covers the fundamentals of PC technology, networking and security, and also provides an introduction to advanced concepts.

**TECHNICAL DUAL CREDIT CYBERSECURITY I (ITSE 1359) - INTRODUCTION TO SCRIPTING LANGUAGES - PYTHON**

**Grade Placement 10 | Credit: 2.0**

3 semester credit hours

This course is an introduction to scripting languages and Python. The purpose of the course is to prepare students for building scripts that control a sequence of program steps such as those used in developing testing and deploying software. Introduction to scripting languages including basic data types, control structures, regular expressions, input/output, and textual analysis.

**TECHNICAL DUAL CREDIT CYBERSECURITY I (ITSY 2300) - OPERATING SYSTEM SECURITY**

**Grade Placement 10 | Credit: 2.0**

3 semester credit hours

This course covers the safeguarding of computer systems by demonstrating server support skills and designing and implementing a security system. Students will identify security threats and monitor network security implementations, and use best practices to configure operating systems to industry security standards.

**TECHNICAL DUAL CREDIT CYBERSECURITY I (ITSC 1316) - LINUX INSTALLATION AND CONFIGURATION**

**Grade Placement 11 | Credit: 2.0**

3 semester credit hours

Introduction to the Linux operating system. Includes Linux installation, basic administration, utilities and commands, upgrading, networking, security, and application installation. Emphasizes hands-on setup, administration, and management of Linux.

**TECHNICAL DUAL CREDIT CYBERSECURITY I (ITSC 1315) - IT PROJECT MANAGEMENT**

**Grade Placement 11 | Credit: 2.0**

3 semester credit hours

Use of project management software for developing a project plan including timelines, milestones, scheduling, life cycle phases,

management frameworks, skills, processes, and tools.

**TECHNICAL DUAL CREDIT CYBERSECURITY I (ITSY 2301) -  
COMPUTING FIREWALLS AND NETWORK SECURITY**

**Grade Placement 11 | Credit: 2.0**

3 semester credit hours

Identify elements of firewall design, types of security threats and responses to security attacks. Use best practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities.

**TECHNICAL DUAL CREDIT CYBERSECURITY I (ITSY 2341) -  
SECURITY MANAGEMENT**

**Grade Placement 12 | Credit: 2.0**

3 semester credit hours

In-depth coverage of security management practices, including asset evaluation and risk management; cyber law and ethics issues; policies and procedures; business recovery and business continuity planning; network security design; and developing and maintaining a security plan

**TECHNICAL DUAL CREDIT CYBERSECURITY I (ITSY 2342) -  
PRACTICES, INCIDENT RESPONSE & HANDLING**

**Grade Placement 12 | Credit: 2.0**

3 semester credit hours

In-depth coverage of incident response and incident handling, including identifying sources of attacks and security breaches; analyzing security logs; recovering the system to normal; performing post mortem analysis; and implementing and modifying security measures

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY I  
(AUMT 1305) – INTRODUCTION TO AUTO TECHNOLOGY**

**Grade Placement: 9 | Credit 1.0**

3 semester credit hours

An introduction to the automotive industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, fasteners, professional responsibilities, and automotive maintenance.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY I  
(AUMT 1319) – AUTO ENGINE REPAIR**

**Grade Placement: 9 | Credit 1.0**

3 semester credit hours

Fundamentals of engine operation, diagnosis and repair including lubrication systems and cooling systems. Emphasis on overhaul of selected engines, identification and inspection, measurements, and disassembly, repair, and reassembly of the engine.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY I  
(AUMT 1310) – AUTO BRAKE SYSTEMS**

**Grade Placement: 9 | Credit 1.0**

3 semester credit hours

Operation and repair of drum/ disc type brake systems. Emphasis on safe use of modern equipment. Topics include brake theory, diagnosis, and repair of power, manual, anti-lock brake systems, and parking brakes.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY I  
(AUMT 2302) – Compression, Ignition Engines & Fuel System**

**Grade Placement: 10 | Credit 2.0**

3 semester credit hours

A study in diagnosis and repair of modern light-duty automotive compression ignition engines and related systems.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY I  
(AUMT 1316) – AUTO SUSPENSION/STEERING**

**Grade Placement: 10 | Credit 2.0**

3 semester credit hours

A study of automotive suspension and steering systems including tire and wheel problem diagnosis, component repair, and alignment procedures.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY I  
(AUMT 1307) – AUTO ELECTRIC SYSTEMS**

**Grade Placement: 10 | Credit 2.0**

3 semester credit hours

An overview of automotive electrical systems including topics in operational theory, testing, diagnosis, and repair of batteries, charging and starting systems, and electrical accessories. Emphasis on electrical schematic diagrams and service manuals.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY I  
(AUMT 2317) – AUTO ENGINE ANALYSIS I**

**Grade Placement: 10 | Credit 2.0**

3 semester credit hours

Theory, operation, diagnosis, and repair of basic engine dynamics, ignition systems, and fuel delivery systems. Use of basic engine performance diagnostic equipment. May be taught with manufacturer specific instructions.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY I  
(AUMT 2325) – AUTOMATIC TRANSMISSION & TRANSAXLE**

**Grade Placement: 10 | Credit 2.0**

3 semester credit hours

A study of the operation, hydraulic circuits, and electronic controls of modern automatic transmissions and automatic transaxles. Diagnosis, disassembly, and assembly procedures with emphasis on the use of special tools and repair techniques.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY I  
(AUMT 2313) –AUTOMOTIVE DRIVETRAIN & AXLES**

**Grade Placement: 10 | Credit 2.0**

A study of automotive clutches, clutch operation devices, manual transmissions/ transaxles, and differentials with emphasis on diagnosis and repair.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY II  
(AUMT 2321) – AUTOMOTIVE ELECTRICAL DIAGNOSIS &  
REPAIR**

**Grade Placement: 11 | Credit 2.0**

3 semester credit hours

Repair of automotive electrical subsystems, lighting, instrumentation, and accessories. Emphasis on accurate diagnosis and proper repair methods using various troubleshooting skills and techniques.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY II  
(AUMT 2334) – AUTO ENGINE ANALYSIS II**

**Grade Placement: 11 | Credit 2.0**

3 semester credit hours

A study of diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems; and proper use of advanced engine performance diagnostic equipment.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY II  
(AUMT 2307) – HYBRID SYSTEMS DIAGNOSTICS**

**Grade Placement: 11 | Credit 2.0**

3 semester credit hours

An advanced study of hybrid and/or battery electric vehicles (BEV) and the unique characteristics of hybrid and/or BEV systems. Includes hybrid and/or BEV safety procedures, diagnosis, and repair of hybrid and/or BEV systems.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY II  
(AUMT 1345) – AUTOMOTIVE CLIMATE CONTROL SYSTEMS**

**Grade Placement: 11 | Credit 2.0**

3 semester credit hours

Theory of automotive air conditioning and heating systems. Emphasis on the basic refrigeration cycle and diagnosis and repair of system malfunctions. Covers EPA guidelines for refrigerant handling and new refrigerant replacements.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY II  
(AUMT 1380) – COOPERATIVE EDUCATION AUTO MECHANIC  
TECH**

**Grade Placement: 12 | Credit 2.0**

3 semester credit hours

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

**TECHNICAL DUAL CREDIT AUTOMOTIVE TECHNOLOGY II  
(AUMT 2381) – COOPERATIVE EDUCATION AUTO MECHANIC  
TECH**

**Grade Placement: 11 | Credit 2.0**

3 semester credit hours

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

**BIOL 1322 NUTRITION & DIET THERAPY I**

This course introduces general nutritional concepts in health and disease and includes practical applications of that knowledge. Special emphasis is given to nutrients and nutritional processes including functions, food sources, digestion, absorption, and metabolism. Food safety, availability, and nutritional information including food labels, advertising, and nationally established guidelines are addressed.

**BIOL 2420 MICROBIOLOGY FOR NON-SCIENCE MAJORS**

This course covers basic microbiology and immunology and is primarily directed at pre-nursing, pre-allied health, and Non-science majors. It provides an introduction to historical concepts of the nature of microorganisms, microbial diversity, the importance of microorganisms and acellular agents in the biosphere, and their roles in human and animal diseases. Major topics include bacterial structure as well as growth, physiology, genetics, and biochemistry of microorganisms. Emphasis is on medical microbiology, infectious diseases, and public health.

**CHEM 1406 INTRODUCTORY CHEMISTRY I**

Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for Non-science and allied health students.

**BIOL 1322 NUTRITION & DIET THERAPY I**

This course introduces general nutritional concepts in health and disease and includes practical applications of that knowledge. Special emphasis is given to nutrients and nutritional processes including functions, food sources, digestion, absorption, and metabolism. Food safety, availability, and nutritional information including food labels, advertising, and nationally established guidelines are addressed.

**KINE 1164 - INTRO TO PHYS FITNESS & SPORT**

Orientation to the field of physical fitness and sport. Includes the study and practice of activities and principles that promote physical fitness. One hour lecture and two hours lab per week.

**HPRS 1206 ESSENTIALS OF MEDICAL TERMINOLOGY**

A study of medical terminology, word origin, structure, and application. Two hours lecture weekly.

**ITNW 1313 COMPUTER VISUALIZATION**

Implement and support virtualization of clients of servers in a networked computing environment. This course explores installation, configuration, and management of computer virtualization workstation and servers.

## Addendum

### Weatherford ISD AP Student Expectations Agreement

Date: \_\_\_\_\_ AP Course: \_\_\_\_\_

Student Name: \_\_\_\_\_

Parent/Guardian Name: \_\_\_\_\_

AP Teacher: \_\_\_\_\_

You are currently registered to take an AP course this year. Taking an AP course and exam is a collaborative effort between you, the student, your parent/guardian, and the school. Each party plays a role and must make the commitment to meet the expectations noted below.

**The Student** agrees to organize their time and effort to successfully complete the AP course in which they are enrolled. The student will notify teachers immediately if they fall behind in class readings and/or assignments. The student will be expected to complete assignments, readings and projects outside of class time. The student will take the AP Exam on its scheduled date and time as outlined by the College Board.

**The Parent/Guardian** agrees to be familiar with and accept the AP course requirements and policies, and to help their child organize study time in support of class assignments. The parent/guardian agrees to purchase required materials and to pay the exam fee as determined by the AP coordinator. If the parent/guardian is unable to meet these requirements for financial reasons, they will contact the AP coordinator immediately.

**The School (AP teacher and AP coordinator)** agrees to provide rigorous instruction and challenging course content as described in the AP Course Description. The school administers the AP Exam in a fair and secure environment as outlined in the *AP Coordinator's Manual*.

I, \_\_\_\_\_, agree to the conditions outlined above. I understand that the AP Exam fee will be \$\_\_\_\_\_. A deposit of \$\_\_\_\_\_ is due by \_\_\_\_\_ and the balance is to be paid by \_\_\_\_\_. The deposit of \$\_\_\_\_\_ will be non-refundable if I fail to take the AP Exam.

\_\_\_\_\_  
**Student Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Parent/Guardian Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**AP Teacher Signature**

\_\_\_\_\_  
**Date**

The student is responsible for collecting the required signatures and returning this agreement to the AP teacher by \_\_\_\_\_. A separate agreement must be submitted for each AP course a student takes.

**PLEASE NOTE:** The College Board does not require that students enrolled in an AP course take the corresponding AP Exam. This agreement is for school use only based on AP Exam administration policies established locally by school officials.