Welcome FHS Students and Parents!

Leon Madsen, Principal                  John Graham, Superintendent

Let me introduce to you Filer High School’s 2019-2020 registration guide. This packet marks the beginning of an exciting journey into the worlds of education and career development. *Pathways to Success* is much more than a compilation of course offerings; it is an important tool that will help you plan not only your high school education but also prepare you for your post-secondary and/or career goals. We encourage you to seriously consider taking a rigorous, challenging course load.

Taking high school courses that challenge you is important for your future. Here are five reasons to take challenging courses.

1. Colleges look at the high school courses you've taken and want to see that you weren't coasting through.
2. Tough courses give you the knowledge and skills you need to do college work.
3. Students who take challenging courses score higher on college admissions tests. A higher score means a higher chance to succeed in college.
4. You'll be less likely to need remedial courses in college, and you may be able to finish college sooner.
5. You will have more options for college and a career. *(Source: ACT's News You Can Use Posted: 1/7/2009 Updated: 12/6/2010)*

High school is an adventure. Be ready to have fun, new experiences, and prepare yourself for your future. Don’t forget to work hard and do your best.

Best wishes for a successful high school experience!

Cori Cassity, Counselor                  Callae Marcellus, Counselor
# TABLE OF CONTENTS

Welcome to Students and Parents  
Table of Contents  
FHS Faculty  
Flexibility and Focus  
School-to-Work Transition  
**How to Register for High School**  
Graduation Requirements  
Senior Projects  
Paw Tracks Advisory  
Advanced Opportunities  
Dual Credit Opportunities  
Idaho College Admission Core  
What “Preparing For the Future” Means  
Career Plan Checklist  
Don’t Forget the Fun  
**Filer High School Course Descriptions**  
Mathematics  
Language Arts  
Health Sciences  
Science  
Social Science  
Art  
Music  
Performing Arts  
Foreign Language  
Physical Education  
Health  
Ag Science/Technology  
Technology Education  
Business Technology  
Family and Consumer Science  
Personal Development & Career Experience

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome to Students and Parents</td>
<td>1</td>
</tr>
<tr>
<td>Table of Contents</td>
<td>2</td>
</tr>
<tr>
<td>FHS Faculty</td>
<td>3</td>
</tr>
<tr>
<td>Flexibility and Focus</td>
<td>4</td>
</tr>
<tr>
<td>School-to-Work Transition</td>
<td>5</td>
</tr>
<tr>
<td><strong>How to Register for High School</strong></td>
<td>6</td>
</tr>
<tr>
<td>Graduation Requirements</td>
<td>7</td>
</tr>
<tr>
<td>Senior Projects</td>
<td>8</td>
</tr>
<tr>
<td>Paw Tracks Advisory</td>
<td>9</td>
</tr>
<tr>
<td>Advanced Opportunities</td>
<td>10</td>
</tr>
<tr>
<td>Dual Credit Opportunities</td>
<td>11</td>
</tr>
<tr>
<td>Idaho College Admission Core</td>
<td>12-13</td>
</tr>
<tr>
<td>What “Preparing For the Future” Means</td>
<td>14</td>
</tr>
<tr>
<td>Career Plan Checklist</td>
<td>15</td>
</tr>
<tr>
<td>Don’t Forget the Fun</td>
<td>16-17</td>
</tr>
<tr>
<td><strong>Filer High School Course Descriptions</strong></td>
<td>18-36</td>
</tr>
<tr>
<td>Mathematics</td>
<td>19-20</td>
</tr>
<tr>
<td>Language Arts</td>
<td>20-22</td>
</tr>
<tr>
<td>Health Sciences</td>
<td>22</td>
</tr>
<tr>
<td>Science</td>
<td>23-24</td>
</tr>
<tr>
<td>Social Science</td>
<td>24-25</td>
</tr>
<tr>
<td>Art</td>
<td>25-26</td>
</tr>
<tr>
<td>Music</td>
<td>26</td>
</tr>
<tr>
<td>Performing Arts</td>
<td>26-27</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>27</td>
</tr>
<tr>
<td>Physical Education</td>
<td>27-28</td>
</tr>
<tr>
<td>Health</td>
<td>29</td>
</tr>
<tr>
<td>Ag Science/Technology</td>
<td>29-32</td>
</tr>
<tr>
<td>Technology Education</td>
<td>32-33</td>
</tr>
<tr>
<td>Business Technology</td>
<td>33-34</td>
</tr>
<tr>
<td>Family and Consumer Science</td>
<td>34-35</td>
</tr>
<tr>
<td>Personal Development &amp; Career Experience</td>
<td>35-36</td>
</tr>
<tr>
<td>Name</td>
<td>Department</td>
</tr>
<tr>
<td>------------------</td>
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</tr>
<tr>
<td>Mrs. Cassity</td>
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<td>Mr. Christensen</td>
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</tr>
<tr>
<td>Mrs. Clark</td>
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</tr>
<tr>
<td>Mrs. Cummins</td>
<td>Agriculture Science &amp; Technology</td>
</tr>
<tr>
<td>Ms. Drysdale</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Mrs. Esume</td>
<td>Language Arts</td>
</tr>
<tr>
<td>Mrs. Forster</td>
<td>Speech, Social Sciences</td>
</tr>
<tr>
<td>Mrs. Foster</td>
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<tr>
<td>Ms. Fothergill</td>
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<td>Office Manager</td>
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<tr>
<td>Ms. Gihring</td>
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</tr>
<tr>
<td>Mr. Haeberle</td>
<td>Music</td>
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<tr>
<td>Mr. Hawker</td>
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</tr>
<tr>
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<td>Special Education</td>
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<td>Dr. Johnson</td>
<td>Science, Health Sciences</td>
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<tr>
<td>Mr. Kinghorn</td>
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<td>Mrs. Kohntopp</td>
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<td>Mr. Madsen</td>
<td>Principal</td>
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<td>Mrs. Marcellus</td>
<td>School Counseling/504 Coordinator (A-K)</td>
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<td>Mr. Meyerhoeffer</td>
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<td>Health, Physical Education</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>Mr. Richards</td>
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</tr>
<tr>
<td>Mrs. Richards</td>
<td>Library Science</td>
</tr>
<tr>
<td>Mr. Rife</td>
<td>Social Studies</td>
</tr>
<tr>
<td>Ms. Sharp</td>
<td>Language Arts</td>
</tr>
<tr>
<td>Mr. Stephens</td>
<td>Technology Education</td>
</tr>
<tr>
<td>Mrs. Twitchell</td>
<td>Special Education</td>
</tr>
<tr>
<td>Mrs. Weaver</td>
<td>Assistant Principal, Physical Education</td>
</tr>
<tr>
<td>Mrs. White</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Mr. Wolf</td>
<td>Agriculture Science &amp; Technology</td>
</tr>
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FLEXIBILITY AND FOCUS

There is more than one way to design a High School Program of Studies.

Just as certain basics define an automobile, certain basic competencies define a high school education; however, excellence, performance, and refinement require careful planning of personal choices. This guidebook provides many options and choices for developing a plan of excellence and performance. At the same time we have provided for a strong, well rounded and flexible high school program.

The world of work is rapidly changing as existing jobs become more complex and new jobs demand increased levels of training and education. Students must acquire advanced technical skills, increased academic competencies, and greater problem-solving abilities to become successful citizens and employees of the future.

A comprehensive, well rounded academic program is provided to high school students by the Filer School District. Our programs include courses in Social Sciences, Language Arts, Fine Arts, Science, Mathematics, Vocational, Health and Physical Education. We offer challenging and interesting courses of study which include the acquisition of academic and technically-oriented knowledge and skills. One of our long-term goals is to expand our course offerings and to provide increased integration of academic and professional-technical courses. Through a coordinated sequence of academic and technology courses students can prepare for lifelong learning including direct placement into the workforce, advanced study at technical institutions, community colleges, and four-year colleges and universities.
SCHOOL-TO-WORK TRANSITION

Career Pathways
As students register for high school courses, we strongly recommend that they consider a four year Career Pathway. This selection will provide both the focus and structure necessary to maximize post-secondary study and work, as well as meeting the needs of the nation’s workplace.

Career Pathways provide school personnel, parents, and students with a new look at preparing for the workforce and further higher education. Pathways show the integration of academic and vocational courses, the relationship between school and work, and the need for further education and training. Within each Career Pathway, students choose or design a career major. Career majors prepare students to:
- enter directly into the workforce
- continue education focused on technical preparation
- pursue advanced studies at a college or university

Flexibility
These programs do not “track” students into specific programs for life. They are intended to provide a degree of focus with maximum flexibility. This guidebook includes examples of various four year high school plans. All four year high school plans were written to provide students with the following:
- A solid, well rounded high school education which meets all State and District graduation requirements.
- An allowance for “cross-over” and transfer among career pathways.
- All recommended coursework required for entrance into Idaho colleges, universities, and vocational programs.
- At least one or two career related courses during high school.
- Greater opportunities for additional math, science, foreign language, business, or music courses.
REGISTER FOR HIGH SCHOOL

- Study the *Pathways to Success* booklet carefully; understand what is required for graduation. Talk with your parents, teachers, guidance counselor, and other adults about your interests, talents, and the world of work.

- Select electives that interest you, that will teach you things you have always wanted to know or are needed for your Career Major. It is always wise to choose several alternate electives in case class sections are full.

- Fill out the **FOUR YEAR HIGH SCHOOL PLANNER** (filled out on Idaho CIS).

- Use the *Pathways to Success* to help create your four year plan, which will determine which classes you will take when.

- **When you are faced with registration, it is important that you request the classes you want because you will be held to the classes you choose!** On the basis of your requests, teachers will be assigned and class schedules developed. You are expected to become familiar now with the various subject offerings and to secure enough advice and counsel before registering, so that class changes will not be necessary.

- Don’t forget the **FUN**! Plan on becoming involved in at least one or two high school and community activities.
# GRADUATION REQUIREMENTS

*ATTENTION: These requirements are for all FHS students.*

The following courses are required:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>8</td>
<td>English 9</td>
<td>English 10</td>
<td>English 11 or Honors English 11</td>
<td>English 12 or Honors English 12</td>
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<td><strong>Math</strong></td>
<td>8</td>
<td>Math I or Honors Math I</td>
<td>Math II or Honors Math II</td>
<td>Math III or Pre-Calculus</td>
<td>Math III, Intermediate Algebra, Pre-Calculus, Calculus, Statistics, or other math as approved</td>
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<td><strong>Computer Class</strong></td>
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<td>Computer Technologies OR Business Computer Applications A Recommended</td>
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<td><strong>Speech</strong></td>
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<td><strong>Science</strong></td>
<td>6</td>
<td>Physical Science</td>
<td>Biology, Plant Science, Biology, Biology 201</td>
<td>Student Choice</td>
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<td><strong>US History</strong></td>
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<td>10th Grade US History 10</td>
<td>11th Grade US History 11</td>
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<tr>
<td><strong>American Government</strong></td>
<td>2</td>
<td>12th Grade US Government or Honors US Government</td>
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<tr>
<td><strong>Economics</strong></td>
<td>1</td>
<td>12th Grade Economics or Agricultural Economics</td>
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<tr>
<td><strong>Health</strong></td>
<td>1</td>
<td>10th Grade Health</td>
<td></td>
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<tr>
<td><strong>Humanities</strong></td>
<td>2</td>
<td>9th – 12th Grades</td>
<td>Art, Music, Ancient Civilizations, Western Civilization, Foreign Languages (others with approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>2</td>
<td>9th-12th Grades</td>
<td>PE/LTS, Weights, Dance, Basketball (others with approval)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electives</strong>*</td>
<td>20</td>
<td>9th – 12th Grades</td>
<td></td>
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<tr>
<td><strong>Total</strong>*</td>
<td>55</td>
<td><strong>Credits</strong></td>
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</table>

Students must also successfully complete a senior project, take a college entrance exam, and beginning with the class of 2018, must pass a Civics test.
SENIOR PROJECTS—THE CULMINATING EXPERIENCE OF FILER HIGH SCHOOL EDUCATIONAL PROGRAM

All FHS Seniors are required to complete a Senior Project. The components of the Project are embedded within the classes that are required in Grade 12 as well as the Paw Tracks Guidance System. Seniors have a Faculty Advisor who will further assist them through the Senior Project experience. Seniors must earn a minimum of 70% to successfully complete Senior Project.

Senior Project has three distinct phases:

Phase I: THE PROJECT—1st and 2nd Trimester
The project phase of the Senior Project begins in September of the student’s senior year (unless they get approved for a summer project in May of their junior year). Each student will produce a project that is community based in its focus and should be an extension of the student’s post graduate ambitions. Students are required to spend a minimum of 20 hours outside of class time to develop and complete their project. During this phase, they will also complete 5-10 hours of a job-shadowing experience. We highly encourage students to “stretch” themselves and “get out” of their comfort zones and make Senior Project an experience and not just a graduation requirement.

The project is to be completed by late December of their senior year.

Phase II: THE PAPER—ENGLISH 12A
Each student will write an argumentative or persuasive paper based on a topic of their choice. Guidelines and requirements for the paper will be set in the senior English class.

Phase III: PORTFOLIO/PRESENTATION
The portfolio is completed by mid-April, and the presentation takes place in the third week of May shortly before graduation. Students will present their projects in front of Senior Boards (a panel), which consists of teachers, professionals from the area, and other community members. The Presentation involves a 7-10 minute speech about their research and project. Students are encouraged to use visuals such as PowerPoint to enhance their presentation. At the end of their presentation, students will be asked questions by their Board concerning their presentation or project.

FILER HIGH SCHOOL is proud of the CLASS of 2020!
STUDENT ADVISORY CLASSES

Paw Tracks

FHS students are assigned to *Paw Tracks* classes during their years here. Students are mentored each year by an advisor assigned to that grade level. All advisors help students with academic choices, review their progress, and make adjustments as necessary. Senior advisors also assist students with their Senior Project.

Advisory groups have proven to be an effective way to provide better support to students throughout high school in setting goals, making course choices and preparing for the future.

The Paw Tracks advisors do not take over the responsibilities of the counselor; she serves as a continuing resource for the advisors as they become closely connected with their own small groups of students. The counselor takes an active part in the developing of the *Paw Tracks* curriculum. *Paw Tracks* is an effective method of delivering the guidance curriculum while allowing students to experience extra support by being connected to a familiar advisor and group.
Advanced Opportunities*

Advanced Opportunities provide state aid for students to accelerate through their K-12 education and provide support to earn college credit in high school.

Fast Forward Program
All students attending public school in Idaho, grades 7-12, are eligible for state aid to pay for dual credit courses and college bearing/professional technical exams. Students may be reimbursed for up to $4125.00 to use towards the cost of:

- Overload Courses
- Dual Credits
- Exams

Overload Courses
Fast Forward dollars can be used to pay for overload courses. These are high school classes that are in excess of the student’s full credit load. Students can utilize up to $225.00 per course toward such classes. These are classes that are taken above and beyond the regular school day.

Dual Credits
Dual credits courses are courses that are transcribed on both a student’s high school and college transcript. Through the Fast Forward program, students can request up to $75.00 per credit for such courses, although in most cases the cost of these credits is $65.00.

Exams
Students can use Fast Forward Funds to cover the full cost of the following exams:
- Advanced Placement (AP)
- International Baccalaureate (IB)
- College Level Examination Program (CLEP)
- Professional Certification

Early Graduation
Early Graduation Scholarships are available to students who graduate from high school at least one year early. This scholarship is roughly $1500.00 for every year skipped and can be used at any Idaho public post-secondary institution.

*Source: Idaho State Department of Education Advanced Opportunities Brochure
**DUAL CREDIT OPPORTUNITIES**

Concurrent Enrollment/Dual Credit is a collaborative partnership between Idaho’s colleges/universities with high schools to provide college courses for high school students. The high school instructors are pre-approved and partner with college/university academic departments to deliver the college-level courses. This program provides an opportunity for high school students to receive both high school and college credits. Students receive a letter grade based on work completed which will be reflected on a college transcript. Most universities allow the high school students access to their institutional library for research, a student ID card, and access to events on campus. Students are also able to take classes online, via distance education, as well as on the college/university campus.

**2018-2019 COURSES OFFERED at FHS for DUAL ACADEMIC CREDIT**

<table>
<thead>
<tr>
<th>Filer High School Course</th>
<th>College of Southern Idaho, Idaho State University, or Northwest Nazarene University Course Number</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ALLH101 Health Sciences: Intro to Allied Health</td>
<td>ALLH 202 Intro to Allied Health</td>
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<tr>
<td>ALLH02 Health Sciences: Medical Terminology</td>
<td>ALLH 101 Medical Terminology</td>
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<tr>
<td>COM101 Communications</td>
<td>COMM 101 Fundamentals of Oral Communication</td>
<td>3</td>
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<tr>
<td>COM02 Advanced Speech A/B</td>
<td>COMM 2120 Speech Activities</td>
<td>1-2</td>
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<tr>
<td>ENGI1H Honors English 11A/B</td>
<td>ENGL 101 English Composition I</td>
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<td>MTH05 Pre-Calculus</td>
<td>MATH 147 Pre-Calculus</td>
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<tr>
<td>MTH06 Calculus I</td>
<td>MATH 1170 Calculus I</td>
<td>4</td>
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<tr>
<td>MTH16 Statistics</td>
<td>MATH 153 Elementary Statistics</td>
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<td>16021 CSI DC Online Psychology</td>
<td>PSYC 101 General Psychology</td>
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<tr>
<td>SCI11 Human Structure &amp; Function A/B</td>
<td>BIOL 105B Human Structure &amp; Function</td>
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<td>SCI01 Biology</td>
<td>BIOL 100 Concepts of Biology</td>
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<td>SCI07 Biology 201</td>
<td>BIOL 201 Biology I</td>
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<tr>
<td>SOC04H Honors Government</td>
<td>POLS 101 American National Government</td>
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*Ask your program instructor for enrollment information!*
<table>
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<tr>
<th>Subject Area</th>
<th>Semesters</th>
<th>Courses</th>
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<tr>
<td>English</td>
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<td>Composition, Literature</td>
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</tr>
<tr>
<td>Social Science</td>
<td>5</td>
<td>American Government, Geography, U.S. History, World History, Economics, Philosophy, Psychology, Sociology</td>
<td>None</td>
</tr>
<tr>
<td>Natural Science</td>
<td>6</td>
<td>Anatomy, Biology, Chemistry, Earth Science, Geology, Physiology, Physical Science, Physics, Zoology</td>
<td>Selected applied science courses may count for up to 2 credits. At least 2 semesters must be for courses which include a laboratory science experience.</td>
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<tr>
<td>Humanities/Foreign Language</td>
<td>2</td>
<td>Literature, History, Philosophy, Foreign Language, and related study of 2 semesters or more of the traditional humanities disciplines.</td>
<td>None</td>
</tr>
<tr>
<td>Other College Preparation</td>
<td>3</td>
<td>Speech, Studio/Performing Arts (Art, Dance, Drama, Music), additional Foreign Language</td>
<td>Up to 2 semesters of approved vocational courses may apply; consult your high school counselor</td>
</tr>
</tbody>
</table>
**Important Facts**

*Transferability of Credits*
Dual credit courses are accepted by all Idaho institutions of higher education and most institutions outside the state. Idaho’s colleges/universities are accredited by the Northwest Commission on Colleges and Universities. Students are encouraged to consult with the institution of their choice regarding the transferability of credits earned. To request official transcript information go to the individual institution’s website.

*Registration Process for Dual Credit Courses*
Registration takes place in the fall and spring semesters for dual credit courses. The students are enrolled in the classes using the high school’s calendar. Students taking classes on the institution’s campus or via distance learning follow the application process for each college/university. Visit their website for more information.

*Cost*
For dual credit courses offered at the high school campus the statewide cost is $65 per credit. Costs may vary from year to year.

*Useful Websites*
- Idaho State Board of Education: [www.boardofed.idaho.gov](http://www.boardofed.idaho.gov)
- Idaho State Department of Education: [www.sde.idaho.gov](http://www.sde.idaho.gov)
- National Alliance of Concurrent Enrollment Partnerships: [www.nacep.org](http://www.nacep.org)
- Go On Idaho: [www.jkaf.org/initiatives/postsecondarysuccess/go-on-idaho/](http://www.jkaf.org/initiatives/postsecondarysuccess/go-on-idaho/)

*Program Benefits*
- Increases enthusiasm and motivation among students and teacher
- Brings college/university faculty and high school teachers together to share methods, ideas and experiences that benefit the students
- Enhances ability and skills to do college work and aids students in gaining confidence for college success
- Provides high school students the opportunity to experience the rigor and intellectual challenge of college classes and earn transferable college credits while still in high school.
What “Preparing For the Future” Means

The following checklist includes those items that are helpful in exploring educational career choices. Please spend time with your student in this preparation and discovery process.

Career Development
➢ I have developed short and long range career plans.
➢ I understand non-traditional careers may impact my decision-making.
➢ I’ve learned about several colleges, universities, and vocational schools and what they have to offer.
➢ I understand the difference between high school graduation and Idaho college/university admission requirements and have planned a sequence of courses to reach my goals.
➢ I am aware of career exploration resources such as the Idaho Career Information System (CIS) in my high school.

Personal/Social Development
➢ I am developing an understanding of myself and my values.
➢ I understand the importance of being able to get along with others and to respect their ideas and values.
➢ I understand the physical, mental, and emotional effects of drugs and alcohol
➢ I am learning how to make responsible decisions.
➢ I understand the importance of leisure in relationship to work.

Educational/ Professional-Technical Development
➢ I am aware of the steps that are necessary in finding a job (resume development, interviewing skills, completing applications, etc.).
➢ I have developed study skills (test taking, note taking, time management, etc.).
➢ I am beginning to understand the job market.
➢ I have investigated the admission requirements for the post-secondary school of my choice.
➢ I have checked into Tech Prep and School-to-Work Programs.
CAREER PLAN CHECKLIST

Planning is best accomplished with the help of your parents, teachers, counselors, and other adults who know and care for you. Students and parents should study course sequences carefully and use them as guides for high school registration and post-secondary planning. Use the following checklist below to help in monitoring your student’s progress in school, in preparing for graduation, and in looking at future educational steps.

**Ninth Grade**
- Along with your student, plan a sequence of courses related to educational and career interests.
- Review your student’s educational skills with appropriate faculty.
- Continually discuss career plans with your student.
- Review graduation and post-secondary college/university entrance requirements with your student.
- Review your student’s tenth-grade educational plan and provide encouragement to succeed.

**Tenth Grade**
- Check your place of employment for available employer-related scholarship information.
- Review your student’s eleventh-grade educational plan and schedule.
- Start acquainting yourselves with college entrance preparations
- Take the PSAT for practice.
- Continue to encourage excellence in both coursework and co-curricular activities.

**Eleventh Grade**
- Check to make sure your student is completing the district and high school graduation requirements.
- Take the PSAT/NMSQT in October.
- Check for and plan to take college entrance tests spring of junior year (ACT, SAT). Pay attention to test dates and registration deadlines.
- Check on specific entrance requirements (such as courses and test scores) for schools which your student may wish to attend.
- Check on scholarship and financial aid opportunities.
- Attend college and financial aid presentations.
- Continue to encourage your student.
- Encourage campus visitations and participation in any kind of post-secondary orientation activity.
- Review graduation requirements.

**Twelfth Grade**
- Check your student’s twelfth-grade educational plan and schedule.
- For student athletes, review NCAA and/or NAIA eligibility requirements.
- During the summer, begin applying to colleges. Many schools will accept 6 semester transcripts.
- Take the college entrance tests (ACT/SAT). Experts say spring of your junior year is the best time to take these tests.

- Be sure to take the earliest offerings of the college entrance tests (ACT, SAT). Pay attention to dates and registration deadlines.
- Apply to colleges of your choice.
- Check on scholarship and financial aid opportunities and due dates.
- Attend career/college fair with your student.
- Pick up the Free Application for Federal Student Aid (FAFSA) or process it online at www.fafsa.ed.gov.
- Make sure you know each college/university/vocational school’s application deadline for both admission and financial aid.
- Remind your student about what is included in the job search, especially first impressions and interviewing skills.
DON’T FORGET THE FUN!

Statistics show a direct correlation between success in high school and involvement in extracurricular activities. The high school years are a time of tremendous growth and development both physically and socially. High school activities provide a safe, supervised environment where students can push their physical limits and learn social virtues such as teamwork, cooperation, and responsibility. We strongly encourage all students to become involved in at least one or two school activities.

Art Club  Band  Baseball  Basketball  BPA
Cheerleading  Choir  Cross Country  Drama  FCCLA
FFA  Football  Golf  Key Club  National Art Honor Society
National Honor Society  Pep Band  Quiz Bowl  Rodeo  Soccer
COURSE

DESCRIPTIOnS
MATHEMATICS

**Math Requirements:** A minimum of eight (8) credits in mathematics is required for graduation from FHS. Two credits must be taken during the senior year per State requirements.

Students seeking to have the broadest opportunities in future education should take eight (8) credits in Math, including: HS Math I, 9th grade; HS Math II, 10th grade; HS Math III, 11th grade; Pre-Calculus, 11th or 12th grade; or Calculus, 12th grade.

**MTH15 Principles of Algebra and Geometry**
Prerequisite: Teacher Placement
Year; 3 Credits
Principles of Algebra and Geometry is a course designed to create a stronger foundation for the mathematical content that will be covered in High School Math I. This course covers algebra and geometry included in the Idaho Core State Standards. Principles of Algebra and Geometry builds on knowledge gained in prior math courses.

**MTH10 (02052) HIGH SCHOOL MATH I**
Prerequisite: Math 8 or Advanced Math 8
Year; 3 Credits
High School Math I is the first of three high school–level courses that integrate algebra, geometry, trigonometry, and statistics under the Idaho Core State Standards. This course formalizes and extends the mathematics that students learned in middle school. This course includes much of the content of an Algebra I course as well as geometry and statistics.

**MTH10H (02052) HONORS HIGH SCHOOL MATH I**
Prerequisite: Algebra I or Advanced Math 8
2 Trimesters; 2 Credits
Honors High School Math I is the first course in the accelerated pathway to calculus. The course is designed for advanced grade 8 students. It includes the content of the standard High School Math I course plus additional units that will provide opportunities for students to begin working with the advanced + Idaho Core State Standards.

**MTH12 (02072) HIGH SCHOOL MATH II**
Year; 3 Credits
High School Math II is the second of three high school–level courses that integrate algebra, geometry, trigonometry, and statistics under the Idaho Core State Standards. This course focuses on quadratic expressions, equations, and functions while comparing their characteristics and behavior to those of linear and exponential relationships as encountered in High School Math I.

**MTH12H (02072) HONORS HIGH SCHOOL MATH II**
Prerequisite: Honors High School Math I or Teacher Placement
2 Trimesters; 2 Credits
Honors High School Math II is the second course in the accelerated pathway to calculus. The course integrates the Idaho Core State Standards as outlined in the mathematics framework with additional higher-level standards. The intent of the course is to prepare students for Pre-Calculus so they can take Calculus while in High School.

Students will be exposed to the content of the standard High School Math II course and High School Math III with the expectation that they will explore that content more deeply, including studying and analyzing conic sections and vectors and their relationships to complex numbers.

**MTH13 (02056) HIGH SCHOOL MATH III**
Prerequisite: Math II
2 Trimesters; 2 Credits
High School Math III is the third of three high school–level courses that integrate algebra, geometry, trigonometry, and statistics under the Idaho Core State Standards. This course focuses on applying methods from probability and statistics to draw inferences and conclusion from data, expand understanding of functions to include polynomial, rational and radical functions, expand the study of right triangle trigonometry to include general triangles, and combine functions and geometry to create models and solve contextual problems.
MTH09 (02106) INTERMEDIATE ALGEBRA  
Prerequisite: Math III  
2 Trimesters; 2 Credits
This course covers properties of real numbers, solutions of first- and second-degree polynomial equations and inequalities, systems of equations and their graphs, basic properties of logarithms, complex numbers, basic right triangle trigonometry and laws of sines and cosines. The purpose of this course is to prepare students for the transition to pre-calculus.

MTH05 (02110) PRE-CALCULUS  
Prerequisite: C or Better in Math III  
2 Trimesters; 2 Credits
This course is an extension of Algebra II with an emphasis on functions, logarithms, trigonometry, conic sections, and advanced equations and inequalities. This course is designed to encompass all those topics necessary to be successful in a college calculus course. This course is available for dual credit through CSI. Student must meet minimum placement score requirements to take class for dual credit.

MTH16 STATISTICS  
Prerequisite: College Algebra (Math 143), Pre-Calculus (Math 147) with a "C" or better, or CSI placement test score 46. Student may also be placed into class with appropriate GPA and SAT combination scores.  
2 Trimesters; 2 Credits
This algebra-based probability and statistics course covers descriptive statistics, binomial and normal distributions, confidence intervals, and hypothesis testing using z, t, chi square, and f distributions. Correlation and regression are also introduced. This course is useful for students pursuing majors in nursing, psychology, business, engineering, mathematics, and computer science. This course is available for dual credit through CSI. Student must meet minimum placement score requirements to take class for dual credit.

MTH06 (02121) CALCULUS  
Prerequisite: C or Better in Pre-Calculus  
2 Trimesters; 2 Credits
This class covers a study of functions, limits, continuity, the derivative, applications of the derivative, integration, applications of integration, area between curves, and volume of rotational solids. This class is available for dual credit through ISU. Student must meet minimum placement score requirements to take class for dual credit. This course is useful for students pursuing majors in economics, business, and accounting, engineering, natural sciences (biology, chemistry, physics), mathematics, computer and information sciences, and some medical fields. This course is available for dual credit through ISU. Student must meet minimum placement score requirements to take class for dual credit.

LANGUAGE ARTS

Eight (8) credits in English are required for graduation. A student who fails both trimesters of his or her present English level will not be promoted to the next grade unless he/she attends summer school for at least one of the two failed trimesters of English. Required English classes may be made up at TFHS Summer School, Idaho Digital Learning Academy (IDLA), or by Correspondence Study.

English at the high school level involves perfecting and expanding skills introduced and taught in the earlier grades, but the upper division classes also require students to make decisions and choices about their futures, including the careers they plan to pursue.

Accordingly, English 9, 10, and 11 are taught as comprehensive courses using literature to encourage effective communication, problem solving, and critical thinking. Students at each level are taught writing and communication skills that will prepare them for post-secondary education or the work world.

ENG 9 (01001) ENGLISH 9  
Prerequisite: None  
2 Trimesters; 2 Credits
Freshman English emphasizes writing in an organized manner and reading for understanding and personal enjoyment. Students will write multi-paragraph essays, complete a research project, and analyze a selection of short stories, poetry, novels, and plays. The students will study Romeo and Juliet in addition to a selection of short stories emphasizing self discovery. Vocabulary will be studied on a regular basis using strategies to improve comprehension.
ENG 10 (01002) ENGLISH 10
Prerequisite: Passing at least one trimester of English 9
2 Trimesters; 2 Credits
Sophomore English is designed to increase students' abilities to use written language to communicate effectively. Literature will focus on fictional short stories, poetry, nonfiction, and drama. Students will work with a novel, a Shakespearian comedy or tragedy, and research writing. Grammar work will focus on punctuation, capitalization, and subject/verb agreement. Writing will include descriptive essays, compare/contrast essays, literary analysis, and a research paper utilizing MLA format. Students will also begin official ISAT testing during the second or third trimester of their sophomore year.

ENG 11 (01003) ENGLISH 11
Prerequisite: Passing at least one trimester of English 10
2 Trimesters; 2 Credits
English at the junior level will emphasize effective composition, and the critical analysis of novels, short stories, poetry, and drama from American literature. Students will be expected to read widely and discuss American social issues from the present and the past. The proper use of library and other sources to locate a wide variety of information will be taught along with the methods for properly documenting this information. Students will be required to write a research paper using these skills.

ENG 11H (01006) HONORS ENGLISH 11
Prerequisite: English 10; Teacher Approval Required; 11th Grade
2 Trimesters; 2 Credits
Junior year honors English is a dual-credit course, which gives students credit for English 101 (English Composition I, 3 credits) from the College of Southern Idaho. Students should be prepared for a college-level workload. This course will also emphasize effective composition, and the critical analysis of novels, short stories, poetry, and drama from American literature. Students will be expected to read widely and discuss American social issues from the present and the past. The proper use of library and other sources to locate a wide variety of information will be taught along with the methods for properly documenting this information.

ENG 12 (IBED 01004) ENGLISH 12
Prerequisite: Passing at least one trimester of English 11
2 Trimesters; 2 Credits
This fourth year English course will emphasize an overview of world literature along with its influence on written expression. Students will analyze and discuss a wide variety of literature throughout the world from ancient times to the 21st Century. Research papers and various forms of persuasive writing designed to demonstrate correct format and to develop an understanding of the research process will be required as part of a senior project. Emphasis will be placed on writing, encouraging success at the college level.

ENG 12H (01006) HONORS ENGLISH 12
Prerequisite: English 11; Application Procedure; Teacher Approval Required; 12th Grade
2 Trimesters; 2 Credits
Honors English is a precursor to college courses in literature and composition, yet is not a dual-credit class. The class analyzes the Iliad and Beowulf through more modern works such as Heart of Darkness and 1984. We deal with literary criticism and close reading skills to better understand and analyze prose and poetry. Students will compose their senior project research paper and other types of persuasive writing as part of this course and should expect college-level reading and writing assignments as well as a fast-paced course.

ENG01 (01104) INTRO TO CREATIVE WRITING
1 Trimester; 1 Credit
This class will introduce students to imaginative writing centered around expressing thoughts and ideas. There will be a focus on description, plot and character development, and varied writing styles and genres.

ENG05 (01104) INTERMEDIATE CREATIVE WRITING
1 Trimester; 1 Credit
Prerequisite: B or better in ENG01
This class will focus on expanding and developing the skills acquired in Introduction to Creative Writing. Students will have larger writing projects in a variety of genres and will continue developing imaginative and exploratory pieces.
ENG 13 PUBLISHING 1  
3 Trimesters; 3 Credits  
A course designed to help students acquire basic journalism writing skills and yearbook design skills. The students will be prepped to be the writers and editors for the school Toilet Paper, Newspaper and Yearbook. Students will learn how to use the software necessary for both the yearbook and newspaper including Walsworth and InDesign. Students will also develop their interpersonal skills through interviews, donation requests, and advertising requests. Finally, students will work together to create a calendar and other items to help fundraise the necessary funds for the class. Publishing 1 is a prerequisite for 2 and 3.

ENG 14 PUBLISHING 2  
3 Trimesters; 3 Credits  
Prerequisite: Publishing 1 and Teacher Approval  
A course designed to build on the skills acquired in Publishing I. Students plan, design, and develop complex documents and develop enhanced graphics while using journalistic principles and design concepts to communicate the intended message of the publication. Publishing 1 is a prerequisite for this trimester course.

ENG 15 PUBLISHING 3  
3 Trimesters; 3 Credits  
Prerequisite: Publishing 2 and Teacher Approval  
A course designed to utilize publishing skills for the creation and publication of the school newspaper and yearbook. Planning and design principles are used to analyze and organize information, select and create visuals and develop a design structure. Organizational and professional skills are developed through team projects in which students prioritize project components and present the final product to its intended audience. Publishing 1 is a prerequisite for this trimester course.

HEALTH SCIENCES

ALLH101 (14001) HEALTH SCIENCES: INTRODUCTION TO ALLIED HEALTH  
1 Trimester; 1 Credit  
Prerequisite: None  
Suggested Enrollment Year: Sophomore, Junior or Senior  
This course contains an overview of the life-long commitment in the development of careers in health occupations. Emphasis is placed on beginning clinical skills acquisition, career choice information, and current issues in healthcare both nationally and internationally. This course is required as a prerequisite for all other health professions courses. Academic Dual-Credit Available. This class may be presented in an online format.

ALLH02 (14154) HEALTH SCIENCES: MEDICAL TERMINOLOGY  
1 Trimester; 1 Credit  
Prerequisite: Introduction to Allied Health (may be enrolled concurrently with instructor permission only)  
This course provides an in-depth knowledge of terminology for all disciplines of health care. It includes word structure of basic medical terms and procedures, a review of normal anatomy and physiology, selected medical specialties and commonly used medical abbreviations. It is strongly encouraged that students concurrently enroll in Anatomy & Physiology since the courses are designed to follow the same body systems progressions. Academic Dual-Credit Available. This class may be presented in an online format.

ALLH03 (14051) HEALTH SCIENCES: CERTIFIED NURSING ASSISTANT  
2 Trimesters; 2 Credits  
Prerequisite: Intro to Allied Health (may be enrolled concurrently with instructor permission only)  
Students are provided with experiences in the classroom and in the clinical area which result in development of basic competencies required of nursing assistants. Completion of this training, both the classroom portion and the out-of-school clinical portion, will prepare the student for the clinical skills examination and the OBRA written test which qualifies the graduate to be added to the Nursing Assistant Registry with the Idaho Board of Nursing. CPR training is a requirement of the course and will be offered if needed. Students must complete the clinical skills examination and the OBRA test prior to the end of the second semester to receive dual credit from CSI. The testing is done at CSI and there is a cost involved. Academic Dual-Credit is required.
Filer High School requires six (6) credits of science to graduate. Physical Science and Biology or Biology and Chemistry are required for all students. The science department have developed four tracks depending on a student’s area of interest. They are: a general science track, an agricultural science track, an engineering track, and a health studies/medical track. Below is the suggested paths of study.

**GENERAL SCIENCE TRACK**
- 9th grade-Physical Science
- 10th grade-Biology
- 11th grade-Any combination of; Forensic Science Chemistry^  

**AGRICULTURAL SCIENCE TRACK**
- 9th grade-Physical Science/Intro to Ag Education
- 10th grade-Plant Science Biology(Biological Science Credit)*  
  - 11th grade-Any combination of:
    - Botany/Horticulture(Science Credit)*  
    - Animal Nutrition/Equine I (Science Credit)*  
    - Animal Reproduction/Equine II (Science Credit)*  
    - Veterinary Science (Science Credit)*  
    - Forestry (Science Credit)*

**ENGINEERING SCIENCE TRACK**
- Standard Track
  - 9th grade-Physical Science
  - 10th grade-Biology 201
  - 11th grade-Chemistry^/Human Structure and Function***
  - 12th grade-Physics**

**HEALTH SCIENCE/MEDICAL TRACK**
- Standard Track
  - 9th grade-Physical Science
  - 10th grade-Biology 201
  - 11th grade-Chemistry^/Human Structure and Function***
  - 12th grade-Chemistry^/Human Structure and Function ***

^Math III math skills are required for Chemistry  
**Pre-calculus math skills are required for Physics  
***Human Structure and Function may be offered every other year.

**SCI01 (IBED 03159) PHYSICAL SCIENCE**  
Prerequisite: 9th Grade  
This course provides an introduction into modern chemistry and physics. Students will be instructed in modern theories about matter and energy. They will conduct experimental procedures that illustrate basic principles.

**SCI02 (IBED 03051) BIOLOGY**  
Prerequisite: Physical Science  
Biology is the study of living things and the processes that are essential in maintaining the living condition. The purpose of the course is to develop appreciation and understanding of living things and the scientific method of problem-solving. This class is available for dual credit and is a great class for students that are not considering a health science or science major in college. *Academic Dual-Credit Available.*

**SCI07 (IBED 03052) BIOLOGY 201**  
Prerequisite: Physical Science  
Biology 201 is a unique opportunity for Filer High School students interested in science or medical careers to be introduced to a college biology course. This class will emphasize biological principles important in understanding living organisms to include: evolution, general biochemistry, cytology, Mendelian and molecular genetics, and ecology. This is the same biology required by universities for students majoring in science or science related fields. This course is Biology 201 at the College of Southern Idaho. *Academic Dual-Credit Available.*
SCI03 (IBED 03101) CHEMISTRY 2 Trimesters; 2 Credits
Prerequisite: Pass Physical Science; Completed or concurrent enrollment in High School Math III required
This lab class is strongly recommended for college prep and tech-prep students entering Health and Science fields. The basic principles of chemistry are covered including: matter, elements and atomic structure, compounds, reactions and mass relationships. Must be a junior or have teacher approval. Juniors and seniors will have priority over lower classmen who have met the math requirements.

SCI09 (03201) FORENSIC SCIENCE 2 Trimesters/2 Credits
This course is a basic exploration of forensic science. Forensics is the application of science to criminal activity for the purpose of discovery. This course is about the how, why, and where to examine evidence in order to get the most pertinent information from a crime scene. Topics include: glass, soil, fingerprints, hair, fiber, firearms, ammunition, chemical analysis, drugs, autopsies, and DNA typing to name a few. Students will learn and practice how each type of evidence is discovered and processed.

SCI04 (03151) MATH BASED PHYSICS 2 Trimesters; 2 Credits
Prerequisite: Prerequisite: Passing grades in all sections of Science. Students must also have already taken or be concurrently enrolled in Pre-Calculus. Students must pass Math Based Physics A to take Math Based Physics B. (Exceptions only with Teacher Approval)
This course studies the forces and laws of nature affecting matter: equilibrium, motion, momentum, and the relationships between matter and energy. It also includes examination of sound, light, magnetic, and electric phenomenon. Students need advanced math skills to be successful. Seniors will have priority over lower classmen who have met the math requirement.

SCI11 (03053) HUMAN STRUCTURE AND FUNCTION 2 Trimesters; 2 Credits
Prerequisite: “C” or above in Biology
Human Structure & Function involves a thorough study of the structure and function of each system of the human body. This course will be split 70% anatomy and 30% physiology. Preferred for students interested in CNA or EMT. Academic Dual-Credit Available.

SOCIAL SCIENCE

SOC01 (04101) US HISTORY 10 2 Trimester; 2 Credit
United States History 10 is a 2 trimester course that covers colonization up until the 1900’s. Major historical events such as the Civil War, slavery, the American Revolution, and other others will be studied. The course will be presented using the following methods: instructor lecture with student note taking, classroom discussion, reading and textbook assignments, individual projects, group and partner projects, and videos.

SOC02 (04101) U.S. HISTORY 11 2 Trimesters; 2 Credits
American History is a survey exploring the expansion and development of the United States. This course covers the political, intellectual, social, and economic development of the United States and its history. U.S. History 11 will cover 1877 to the Present. Curriculum will be a combination of guided readings, reflective journaling, projects, and activities.

SOC03 (04201) ECONOMICS 1 Trimester; 1 Credit
The class is meant to introduce students to both Macroeconomics and Microeconomics. In addition, the theme that runs through the class is the application of real world economics. Examples include: investing, budgeting, credit responsibility, business operation, and projecting outcomes of economic decisions. AgriBusiness 460/660, FHS #828 will meet the Consumer Economics requirement.
SOC04 (04151) AMERICAN GOVERNMENT 2 Trimesters; 2 Credits
American Government is the study of our government—the applications, processes, and issues at the federal, state, and local levels. The first trimester is primarily a study of the Constitution—its framing, application and life today. The second trimester, we examine the three branches of government as well as state and local government. Civic education is the primary focus of the curriculum in relation to the projects, activities, and community involvement that the students will be involved with. You must be a senior or a junior that has been approved by the school board for early graduation or you are on an approved fast track to take this class and approved by the teacher.

SOC04H (04157) HONORS AMERICAN GOVERNMENT 2 Trimesters; 2 Credits
Prerequisite: 3.0 GPA; Teacher Approval Required; 12th Grade
Honors Government is an introductory college level course in U.S. government and politics. The class analyzes American government through the context of modern politics. The first trimester is primarily concerned with the study of the constitution: its framing, and current applications. The second trimester is primarily concerned with the study of the 3 branches of government. With particular focus on the congress and presidency. Students should expect college level reading and writing assignments and course pacing. A textbook may be required at a cost to the student for this class for college credit. You must be a senior or a junior that has been approved by the school board for early graduation or you are on an approved fast track to take this class. Academic Dual-Credit Available.

SOC07 (04051) WORLD HISTORY: ANCIENT CIVILIZATIONS 1 Trimester; 1 Credit
Ancient Civilizations is a one trimester course that covers many of the early civilizations in history. The class will take a tour around the world beginning with the earliest civilizations of Egypt and Mesopotamia, and ending with the cultures of the Americas. Students will focus on six themes; political, religious, social, economic, geography, and technology. The course will be presented using the following methods: instructor lecture and student note taking, classroom discussion, reading and textbook assignments, individual projects, group and partner projects, and videos.

ART

ART09 (05154) SURVEY OF WESTERN ART (FORMERLY GENERAL ART) 2 Trimesters, 2 Credits
Students will explore the visual arts, Drawing, Painting, Pottery and Sculpture and learn about art history from Prehistoric to Modern Art. Students will explore the elements and principles of design using a variety of media.

ART02 (05155) DRAWING 1 Trimester; 1 Credit
Prerequisite: Survey of Western Art or General Art
Students will learn a variety of drawing techniques, using a variety of media. Faces, figure, perspective, still life, shading, animals, cultural arts and art history will be covered. Students use pencil, colored pencil, ink, pastel and charcoal.

ART03 (05155) PAINTING 1 Trimester; 1 Credit
Prerequisite: Drawing
Students will learn to mix colors to create compositions in watercolor and acrylic paint. Projects include color wheel, wet on wet technique, still life, landscape, animal, portrait, figure, architecture and art history.

ART04 (05159) POTTERY 1 Trimester; 1 Credit
Prerequisite: Survey of Western Art or General Art
Students will learn a variety of techniques to work with clay including hand building, wheel throwing, and glazing.

ART05 (05167) DIGITAL PHOTOGRAPHY (10th – 12th Grade) 1 Trimester; 1 Credit
Prerequisite: None
Students will learn the art of digital photography and will manipulate photos in the Adobe Photoshop program. Students will create a variety of photo projects, PowerPoint presentations, posters and other projects. Students must provide flash drive to store their photography.
ART06 (05167) ADVANCED DIGITAL PHOTOGRAPHY (11th – 12th Grade) 1 Trimester; 1 Credit
Prerequisite: Digital Photography
Students will work on advanced photo projects using Adobe Photoshop. This class meets during Digital Photography.

ART07 (05153) STUDIO ART 1 Trimester; 1 Credit
Prerequisite: 2 years Art (Survey of Western Art/General Art and Drawing/Painting) or Permission of Teacher
This class is for the advanced and more serious student who wishes to pursue their artistic education. Students will work in Drawing, Painting, Sculpture, Printmaking, Pottery and Art History. Students will be encouraged to work on projects of their choice within guidelines.

ART08 (05153) ART PORTFOLIO 1 Trimester; 1 Credit
Prerequisite: Studio Art
Students will create and photograph an art portfolio suitable for college admission. Students will be involved in presenting a final art show. This class will meet at the same time as Studio Art.

MUSIC

Music classes are available as electives. Aspects of music history, theory, research and performance are all part of the music experience. Students will be required to submit critical review, listening logs, and a final music project, all within guidelines.

MUS02 (05101) CONCERT BAND 3 Trimesters; 3 Credits
Prerequisite: Middle School Band Preferred
Open to all instrumentalists grades 9-12. Students should have at least two years experience in band, with ability to read music and play an instrument. Concert band plays a variety of band literature including marches, light concert pieces, jazz, and festival literature.

MUS08 (05111) CANTEMUS 3 Trimesters; 3 Credits
Prerequisite: Audition
“Cantemus” has replaced two other choirs, Concert choir, and Honor Choir. The group is taught in two separate classes, but performs as one group. Is open (by audition) to all students grades 9-12. Cantemus performs a varied repertoire of music, such as pop, Broadway show tunes, Classical, and Jazz. It is also likely that the group will perform in French, Italian, German, or Latin, at least once a year. Students in choir perform at concerts throughout the school year and at District 4 Festivals. Cantemus will sing the national anthem at some school athletic events and assemblies. There is also a need for qualified piano accompanists. For pop music and show tunes, limited choreography may be involved, but is not required.

PERFORMING ARTS

COM1 (01151) SPEECH 1 Trimester; 1 Credit
Prerequisite: 10th Grade
This class is a state requirement for graduation that covers the fundamentals of communication. It is intended to develop an awareness and appreciation of the communication process, listening process, communication types, and basic speech planning, preparation, and delivery.

COM101 (01155) COMMUNICATIONS 101 1 Trimester; 1 Credit
Prerequisite: Speech; Teacher Approval Required/Preference to Seniors
COM 101 is a dual credit opportunity offered through the College of Southern Idaho (CSI). It is designed to improve your communication abilities in a variety of academic, social, personal, and business settings. This course should provide you with an understanding and appreciation of human communication. It is the students responsibility to purchase the text prior to the beginning of school. The text will cost approximately $100 can be purchased through the College of Southern Idaho Bookstore or from other sources. Academic dual credit available.
The counselor will enter the grade into PowerSchool.

COM2 (01155) ADVANCED SPEECH 1-2 Trimesters; 1-2 Credits
Prerequisite: Speech; Teacher Approval Required; 10th - 12th Grade
This class is designed for students who wish to expand their speaking skills through a competitive speaking environment. It is offered for dual credit through Northwest Nazarene University and students have the option of taking this class for one or both trimesters. This class is designed to allow students to apply their understanding of communication through the presentation of individual events recognized by the Idaho High School Activities Association.

FOREIGN LANGUAGE

LNG01 (06101) SPANISH I 2 Trimesters; 2 Credits
Prerequisite: None
Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

LNG02 (06102) SPANISH II 2 Trimesters; 2 Credits
Prerequisite: Spanish I
Spanish II courses build upon skills developed in Spanish I, extending students’ ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students may explore the customs, history, and art forms of Spanish speaking people to deepen their understanding of the culture(s).

LNG03 (06103) SPANISH III 2 Trimesters; 2 Credits
Prerequisite: Spanish I & Spanish II
Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

PHYSICAL EDUCATION

Two Physical Education (PE) credits are required for graduation. However, students may take a PE class throughout high school if they would like. Academic aspects of Physical Education will be included in the curriculum. These academic sessions will be on Friday’s and will be mandatory. Appropriate dress is required. To protect your personal items during the PE classes, you will need to provide your own LOCK for your PE locker. This PE locker will be assigned to you in the locker room. A syllabus explaining the classes and expectations will be handed out at the beginning of class and you will be required to have you and your parents/legal guardians sign it.

Beginning in the fall of 2017 a student may also use a sports season to earn a physical education credit. Students must complete a season and then get a rubric from their counselor, Mrs. Marcellus (students with last names A-K) or Mrs. Cassity (students with last names L-Z). The student’s coach will complete the rubric, giving a grade, and return it to the student. The student will then get the athletic director’s signature and then turn in the completed form to their counselor. The counselor will enter the grade into PowerSchool.
PE07 (08001) LIFETIME FITNESS
Prerequisite: None
1-3 Trimesters; 1-3 Credits
This course is designed to introduce and provide opportunities for students to develop the basic and intermediate skills in a variety of fitness principles and techniques that students can take with them through life. The students will work on improving overall fitness through activities that will help them build strength, endurance and flexibility. Some activities may include: circuit training, yoga, flexibility, workout videos, badmitten, water activities, bowling, juggling, jump rope, endurance games etc.

PE08 (08001) LIFETIME SPORTS
Prerequisite: None
1-3 Trimesters; 1-3 Credits
This course is designed to introduce and provide opportunities for students to develop the basic and intermediate skills in a variety of sports/activities and conditioning. The content articulates the knowledge, skills, and confidence students need to maintain meaningful physical activity throughout their lifetime. Some activities may include: Badminton, tennis, pickleball, flag football, basketball, softball, volleyball, and golf. There will also be a bi weekly 3 mile run/walk test to help measure fitness levels. Other activities may be added by instructor. Appropriate dress for this class is as follows: PE shoes for inside, plain t-shirts and shorts; sweat pants are acceptable - jeans and jean shorts are not. You must provide your own lock for your locker in the locker room.

PE09 (08001) GENERAL WEIGHT TRAINING
Prerequisite: None
1-3 Trimesters; 1-3 Credits
The goal of this course is to provide students with a knowledge base to properly, effectively, appropriately, and safely weight train. The students will learn the principles of balancing muscle groups, goal setting, sound nutrition, and other weight lifting principles. Instruction will include how to utilize correct principles and progressions of weight training to gain strength, muscle tone, and core stability. This course will teach techniques such as the correct way to do squats, lunges, deadlifts, cleans, and other lifts to improve both lower and upper body strength as well as core/trunk stabilization training. All students who participate in Filer High School Athletics are strongly encouraged to enroll in weight training classes. Appropriate dress for class and a lock for your locker are required.

PE10 (08001) STRENGTH & CONDITIONING
Prerequisite: 10TH-12TH
1-3 Trimesters; 1-3 Credits
This course is designed to familiarize the student to an approach at athletic conditioning and strength training. This course will promote students the knowledge in developing, tracking and learning about resistance training as it relates to athletics. Students will develop a weight-training program based on a personal fitness goal. Students will be instructed in basic principles of strength training & conditioning for personal fitness and development. The course focus is on strength training which includes instruction in lifts & principles of strength training and conditioning. Students will be provided quality workout opportunity based on the strength training principles taught. Topics, which may be explored, include systematic strength training, plyometric (explosion) training, speed & agility training, physiology of exercise, and other training methods. Tests and measurements of fitness, strength, & conditioning, as a means of evaluating progress, will be part of this course.

PE11 (08001) OUTDOOR SKILLS
Prerequisite: None
1-3 Trimesters; 1-3 Credits
This course is designed to provide an adventure class that will progress through an experientially-based program that emphasizes interpersonal relationships and individual growth. This course encourages students to develop greater self-confidence and, at the same time, acquire a sense of trust and commitment in their classmates. Outdoor education is designed to expose students to a variety of outdoor skills. Outdoor pursuit activities may include: backpacking, survival skills, hiking, fishing, orienteering, snow shoeing, cross-country skiing, canoeing, rock climbing, kayaking etc.
HEALTH

HLT01 (08051) HEALTH 1 Trimester; 1 Credit
Prerequisite: None
Health class explores the makeup of our mental, physical, and environmental health. Decision-making, drug and alcohol education, mental illness, diseases and fitness are some of the topics covered. Daily journal questions and a term paper are required.

HLT02 (080511) NUTRITION HEALTH & WELLNESS 1 Trimester; 1 Credit
Prerequisite: None
This course provides students with an overview of good nutrition principles that are necessary for physical and mental wellness and a long, healthy life. This course will emphasize an understanding of today’s food and eating trends and gives students the capacity to evaluate all available sources of nutritional information and make informed decisions.

AG SCIENCE/TECHNOLOGY EDUCATION

AG01 (180010) AG 110 INTRODUCTION TO AGRICULTURAL EDUCATION 1 Trimesters; 1 Credit
This is a basic introductory course to the Agriculture program and the FFA. It includes Ag career development, leadership, communications, etiquette, parliamentary procedure, and personal finance. This course is required for students to be able to take any other Ag Courses.

AG 23 (180510) AG 150 INTRODUCTION TO AGRICULTURAL PLANT INDUSTRY 1 Trimester; 1 Credit
Prerequisite: Intro to Ag Education
This is a basic introductory course to Agriculture Industry, specifically Plant Science Industry. It includes exploring the Industry, career opportunities, introductory soils, introduction to crop science, soil, water and irrigation, plant growth and development, crop and weed identification, insects, diseases and seed selection.

AG 22 (181010) AG 140 INTRODUCTION TO LIVESTOCK INDUSTRY
Prerequisite: Intro to Ag Education
This course is the entry-level course for the Animal Science Pathway. This course will involve the study of economically important food animals through their biological processes, production, and management practices. The course content includes Introduction to the Livestock Industry, the Evaluation and Selection of Beef, Dairy Cattle, Swine, Sheep and goats. In addition, we study Horses and Horsemanship, Meat Technology and Supervised Agricultural Experience (SAE).

AG24 (184010) AG 130 INTRODUCTION TO AG MECHANICS-A (Freshmen only)
Prerequisite: Intro to Ag Education
This course is designed to acquaint students with an understanding of basic agricultural mechanics skills and to prepare them for Agriculture Mechanics/Welding/Structures courses provide students later in high school with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.

AG19 (030514) PLANT SCIENCE BIOLOGY A/B 2 Trimesters; 2 Credits
Prerequisite: Intro to Ag Education or Instructor or Administrator permission
Plant Science Biology provides an understanding of living organisms. The study of cells and how they interact with their surroundings is explored. Principles of genetics and how natural selection has played a major role in how to world has
evolved will also be studied. Agriculture will be used as the basis for experiencing the world around us and how humans have impacted the status of our environment today. This course will satisfy 2 FHS Biological Science Credits.

WELDING FOCUS

**AG03 (184010) AG 130 INTRODUCTION TO AGRICULTURAL MECHANICS** 1 Trimester; 1 Credit
Prerequisite: Intro to Ag Education; 10th-12th Grade
Familiarization with basic mechanical theories and skills along with proficiency in the identification of tools and their safe use and care in carpentry, electricity, plumbing, painting, and metal work. An emphasis will be placed on safety while in the lab.

**AG04 (184040) AG 210 AGRICULTURAL WELDING** 1 Trimester; 1 Credit
Prerequisite: Intro to Ag Education; 10th-12th Grade
Basic skills in arc, oxy-acetylene, and MIG are taught. A strong emphasis is placed on safety, equipment care, and maintenance.

**AG05 (184041) AG 211 ADVANCED WELDING** 1 Trimester; 1 Credit
Prerequisite: Ag Fab II; 12th Grade
This is the capstone course for the ag welding program. All skills learned in previous mechanic course will be applied in this course. A strong emphasis is placed on safety, equipment care, and maintenance. Preparation for welder certification and possible college credit will also be in this course.

**AG06 (184015) AG 230 AGRICULTURAL STRUCTURES** 1 Trimester; 1 Credit
Prerequisite: AG Welding; 11th - 12th Grade
Intermediate skills in arc welding, oxy-acetylene welding, oxy-acetylene cutting, plasma cutting, MIG welding, and TIG welding are taught. A strong emphasis is placed on safety, equipment care, and maintenance. Preparation for welder certification will also begin in this course.

**AG07C (184043) AG 240 AGRICULTURAL FABRICATION I** 1 Trimester; 1 Credit
Prerequisite: AG 230 Agricultural Structures; 11th-12th grade
This course is designed to develop the student's understanding of all the skills learned in previous shop/lab courses. Students will work on a class projects that include, but are not limited to experience in welding, carpentry, concrete, and machining. On-the-job work experience is also a possibility for this course.

**AG07D (184043) AG 240 AGRICULTURAL FABRICATION II** 1 Trimester; 1 Credit
Prerequisite: AG 230 Ag Fab I; 12th grade
This course uses practical skills learned in Ag Mechanics, Ag Welding, and Adv. Welding through the design and construction of a large-scale project(s). Grades are based on work ethic, ability, dependability, and attitude just like in the real world.

**AG10 (030581) AG 512 BOTANY/SCIENCE OF PLANT GROWTH AND DEVELOPMENT** 1 Trimester; 1 Credit
Prerequisite: Intro to Ag Education; 10th-12th Grade
This course is designed to acquaint students with the examination soil and plant relationships that affect the production of food and fiber. Topics include soils, irrigation, land judging, plants, crop and weed identification, diseases, insects and chemicals. Also, plant life processes, plant care, the importance of plants to life and the economy, and basic greenhouse
operations will be covered in this course. The lab portion of this course will utilize the greenhouse and through outdoor field trips. This course will satisfy 1 credit of FHS science graduation requirements.

AG11 (030582) AG 514 BOTANY/HORTICULTURE PLANT SCIENCE 1 Trimester; 1 Credit
Prerequisite: Ag 512 Botany/Science of Plant Growth and Development
A course designed to prepare students in greenhouse and nursery operation and management. Students will receive classroom instruction and hands-on experience in the greenhouse with plant propagation, fertilization, irrigation, planting, marketing, and pruning. This course will satisfy 1 credit of FHS science graduation requirements.

AG21 (030583) AG516 BOTANY/FORESTRY SCIENCE 1 Trimester; 1 Credit
Prerequisite: Intro to Ag Education
This course is designed to help students understand the relationships between natural resources and the environment. Topics include energy and nutrient cycles, water resources and management, soil conservation, wildlife preservation and management, forest and fire management, and lumber production. In addition we will be studying Forest Zones and identification of trees. This course will satisfy 1 credit of FHS science graduation requirements.

AG18A (180521) AG335 FLORAL DESIGN AND MARKETING 1 Trimester; 1 Credit
AG18B (180522) AG337 ADVANCED FLORAL DESIGN AND MARKETING 1 Trimester; 1 Credit
Prerequisite: Botany/Horticulture
Floral Design and Merchandising provides students with opportunities to learn skills in Floral Design as well as explore marketing and merchandising in the Floriculture Industry. Students are also introduced to the elements and principles of visual art design such as line, shape/form, color, balance, and emphasis using a series of floral-based projects to explore the connections, relations, and application to visual arts design. Students will research and study floral trends to understand and develop an appreciation for floral design within historical and cultural, formal and casual, ceremonial and traditional, including an understanding that floral designs are affected by society, culture, history, politics, and economic influence. Upon completion of this course, students will be able to complete a wide array of artistic floral designs while considering historical to modern culture and theory, the elements and principles of design, personal creative expression and connections, relationships and applications to visual art. Students will be graded on class work, projects, tests, participation and performance assessments.

ANIMAL SCIENCE FOCUS

AG15 (030611) AG532 ZOOLOGY/SCIENCE OF ANIMAL NUTRITION 1st semester only; 1 Credit
Prerequisite: Intro to Ag Education and Biology 1 or Plant Science Biology(11th or 12th grade; 10th with Teacher Approval) Taught in Even Years
This course is designed to provide a learning experience for students in the area of animal nutrition and physiology, which will allow the student to work in the field to pursue an advanced degree. This course will satisfy 1 credit of the Filer High School science graduation requirements.

AG13 (030616) AG 570 EQUINE SCIENCE I 1 Trimester; 1 Credit
Prerequisite: Zoology/Animal Nutrition or Zoology/Science of Animal Reproduction-Taught in Even Years
If you like horses and the horse industry, this is the class for you. The course will be covering all aspects of the horse and their relationship to our society. The course will have an emphasis on science including detailed learning of the anatomy and physiology of the equine species, better known as the horse. This course will satisfy one credit of the Filer High School science graduation requirements.

AG20 (030618) AG 590 ZOOLOGY/VETERINARY SCIENCE 1 Trimester; 1 Credit
Prerequisite: Intro to Ag Education; 10-12th Grade
The agricultural education course in veterinary science covers the basics of animal care. Topics covered include disease, parasites, feeding, shelter, grooming, and general animal care. This course allows students entering the workforce after graduation from high school to develop entry-level skills to become employed and to continue education on the job. Curriculum includes animal physiology, exams, procedures, nutrition, parasites, animal handling and identification of
breeds and tools used in veterinary medicine. This course will satisfy one credit of the FHS science graduation requirements.

MISCELLANEOUS AG CLASSES

AG08 (042017) AG 660 AGRICULTURAL BUSINESS AND ECONOMICS 1 Trimester; 1 Credit
Prerequisite: 11th-12th Grade; Previous Ag Class or Instructor or Administrative permission
This course is designed to substitute for high school Economics credit. It includes a study of economic principles, budgeting and record keeping, finance, risk management, decision making, business law, marketing, and careers in agribusiness. During this course, students will have an opportunity to work with many of our partners learning and understanding the business aspect of certain industries.

TECHNOLOGY EDUCATION

TEC01 (210030) FUNDAMENTALS OF TECHNOLOGY 2 Trimesters; 2 Credits
Prerequisite: None
This course is a prerequisite course for most of the Technology Education classes. Gaining technical design and problem solving skills through projects is the major focus of this course. Students will gain an understanding of technological communications, manufacturing, power/energy/transportation, and construction systems. An engineering focus of problem solving requires students to define a given problem, conduct appropriate research, develop solutions to the problem, construct prototypes, and evaluate their work.

Major Projects: Design computer games, robot programs, electronic circuits, C02 dragsters, and small scale bridges.

TEC02 (210051) TECHNOLOGICAL DESIGN 2 Trimesters; 2 Credits
Prerequisite: Fundamentals of Technology
In Technological Design students apply technology, science, and mathematics concepts and skills to solve engineering design problems and innovate designs. Students research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics.

Major projects: Computer games, wind turbines, toy boats, 3D printed products, laser pointers, bombsquad robots and solar powered cars.

TEC03 (210520) ADVANCED DESIGN APPLICATIONS 2 Trimesters; 2 Credits
Prerequisite: Technological Design
Advanced Design Applications consists of four units including Manufacturing, Energy and Power, Construction and Transportation.

The Manufacturing unit examines the advances that maintain manufacturing efficiency, how human consumption affects manufacturing, how manufacturing affects the standard of living of various peoples, and how processing and changing raw materials can produce more desirable products.

The Construction unit examines a number of the factors influencing the design and construction of permanent and semi-permanent structures, the practices related to construction maintenance, alteration, and renovation. The functions of the primary systems installed in those structures.

The Energy & Power unit explores the relationship between energy and power technologies and all other technologies, and how modern energy and power systems impact cultures, societies, and the environment. It also offers an examination of how energy and power systems can be made more efficient and how they may be utilized in problem solving.
The Transportation unit examines the complex networks of interconnected subsystems that each transportation system comprises and the roles of these components in the overall functional process of the system. It also analyzes of the improvements and the impacts of transportation technologies on the environment, society, and culture.

**Major Projects:** Designing your dream home, reverse engineering a product, computer game programming, microcontroller programming, solar electric fan, SUMO robots, electric bicycles.

**BUS10 (100051) BE 0320 BUSINESS COMPUTER APPLICATIONS II**
1 Trimester; 1 Credit
A prerequisite: BCA I
Mathematically based problems; and the use of presentation software to support the delivery of effective presentations.

**BUS08 (100050) BE 0310 BUSINESS COMPUTER APPLICATIONS I**
1 Trimester; 1 Credit
Prerequisite: Teacher Approval
Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations.

**BUS19 (10010) BE 0110 COMPUTER TECHNOLOGY I**
1 Trimester; 1 Credit
A course designed to develop and apply input technology skills that focus on keyboarding to format and produce standard business documents such as letters, memos, tables, reports, and outlines; speed and accuracy are emphasized. Other forms of input technologies introduced include voice recognition, handwriting recognition, image and text scanning, and tablet forms of input.

**TEC06 (170020) CONSTRUCTION SYSTEMS I**
2 Trimesters; 2 Credits
Prerequisite: Fundamentals of Technology or Teacher Approval Required
Architectural and engineering subjects are studied through research, design, and project development. Students explore the relationship of materials, form, function, and culture of notable past and present structures through practical applications and model building.

**TEC07 or TEC08 (170021) CONSTRUCTION SYSTEMS II/III**
2 Trimesters; 2 Credits
Prerequisite: Construction Systems I or II
Working individually and as team members, students will apply the skills and insights from the previous course to build a full scale structure. Sketches, material lists, and cut-plans will be prepared to aide students in completing a bid for each structure. We leave campus to build structures on site, so students must have their own transportation or have permission to ride with other students or Mr. Stephens to job sites.

**Major Projects:** Tool box, scale house, full size storage sheds

**TEC09 (210092) INTRODUCTION TO ROBOTICS & DRONES**
2 Trimesters; 2 Credits
Prerequisite: Fundamentals of Technology A/B, Technological Design A/B
The objectives of this course is to introduce the student to basic programming as well as problem solving strategies in the fields of robotics and drones. Students will learn and use programming language to control machines, robots and drones.

**Major Projects:** Work in teams to design, build, program and build robots, program and fly drones.

**BUSINESS TECHNOLOGY**

**BUS09 (100028) BE 0111 COMPUTER TECHNOLOGY I**
1 Trimester; 1 Credit
A course designed to develop and apply input technology skills that focus on keyboarding to format and produce standard business documents such as letters, memos, tables, reports, and outlines; speed and accuracy are emphasized. Other forms of input technologies introduced include voice recognition, handwriting recognition, image and text scanning, and tablet forms of input.

**BUS10 (100051) BE 0320 BUSINESS COMPUTER APPLICATIONS II**
1 Trimester; 1 Credit
Prerequisite: BCA I
A course designed to build on the skills and knowledge established in Business Computer Applications I. Information and data management, retrieval, merging, and presentation represent the framework of the course. Topics include an
introduction to database applications, the use of word processing software for creating complex business documents and reports, and the use of spreadsheet software for solving mathematically based problems involving business finance.

BUS03 (102030) BE 0273 INTRODUCTION TO INTERACTIVE MEDIA 1 Trimester; 1 Credit
Prerequisite: None
A course designed to introduce students to interactive technologies. Topics include designing, editing, and producing video, audio and graphical elements using digitally-generated or computer-enhanced media.

BUS04 (110550) BE 0316 INTERACTIVE MEDIA: VIDEO I 1 Trimester; 1 Credit
Prerequisite: Introduction to Interactive media
A course designed to provide in-depth knowledge of audio-visual production equipment and processes. Students will be introduced to video editing skills and techniques for planning, designing and developing video. Skills to be obtained are file management, audio and video capturing, adding events to timelines, editing multiple video tracks, transitions, voice over production, and key framing. Music Video Production can be included.

BUS16 (110551) BE 0326 INTERACTIVE MEDIA: VIDEO II 1 Trimester; 1 Credit
Prerequisite: Interactive Media: Video I
A course designed to build on the skills and knowledge established in Interactive Media I. Soundtrack creation, multiple camera editing, storyline development, and advanced video capturing represent the framework for this course. Skills to be learned include masking, editing, and special FX and DVD authoring. Culminating activities include integrating acquired skills and abilities with school, business or community needs.

BUS05 (111530) BE 0317 INTERACTIVE MEDIA: GRAPHICS I 1 Trimester; 1 Credit
Prerequisite: Introduction to Interactive Media
A course designed to allow students to develop skills in formatting and editing raw visual layouts and illustrations using appropriate print, 3D, and animation software. Skills to be acquired include mapping, lighting, camera techniques, animation planning, and storyboard development. Emphasis is placed on preparing materials to web/print industry standards. Web gaming and cartoon animation can be included.

BUS17 (111534) BE 0327 INTERACTIVE MEDIA: GRAPHICS II 1 Trimester; 1 Credit
Prerequisite: Interactive Media: Graphics I
A course designed to focus on project-based applications of concepts addressed in Media: Graphics I. The projects may integrate skills with school, business or community needs.

BUS18 (102012) WEB DESIGN I: INTRODUCTION (BE0318) 1 Trimester; 1 Credit
Prerequisite: Introduction to Interactive Media
A course designed to allow students to develop Web pages utilizing HTML, HTML, CSS, and XML basic web coding. This course is an entry-level course intended as a prerequisite for advanced Web design courses. This course is designed to provide students with vocabulary and concepts required to develop a Website. Students will be introduced to industry standard Web design software and be ready to advance to Web Design II, where students will use advanced Web authoring tools.

BUS01 (120010) BE 0100 BUSINESS ESSENTIALS 1 Trimester; 1 Credit
A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.

FAMILY AND CONSUMER SCIENCE
FSC01 (222515) TEEN LIVING  1 Trimester; 1 Credit
Prerequisite: 9th-10th Grade
Teen Living focus on life during adolescence. The emphasis of this course is for 9th and 10th graders to build on skills in the areas of personal development, relationships, human and family development, resource management, sewing, nutrition and wellness, scholarship opportunities, career choices and leadership skills.

FCS02 (222516) ADULT LIVING  1 Trimester; 1 Credit
Prerequisite: 11th-12th Grade
The Adult Living curriculum focuses on the young adult as an individual balancing responsibilities of home, family, community and work environments. The student will gain relationship and life skills, knowledge of relationship roles and responsibilities, problem solving, resource management skills, career opportunities, college opportunities, scholarship opportunities, housing, finances, parenting skills (birth control, pregnancy belly and babies), leadership and 21st century employability skills.

FCS07 (192012) FASHION STRATEGIES  1 Trimester; 1 Credit
Prerequisite: Teen Living or Adult Living: 9th-12th Grade
Fashion Strategies is a foundational course that prepares individuals to analyze the social, psychological, and physiological aspects of clothing and textiles. Focus is on the individual's own fashion awareness for personal selection, care, maintenance, and construction of their clothing needs. Included are: the nature, acquisition, and use of clothing and textile products; consumer and career information relative to the personal collection, design, construction and maintenance of clothing and textile products; and the effect of consumer choices on the individual and family. Career education and Family, Career and Community Leaders of America (FCCLA) student leadership are expected to be an integral part of the course.

FCS09 (192011) FASHION AND TEXTILES  1 Trimester; 1 Credit
Prerequisite: Teen Living or Adult Living; Fashion Strategies; 10th-12th Grade
Fashion and Textiles explores a burgeoning industry where teens see themselves as active stakeholders. This course reflects on fashion history, exposes students to the science of textiles, and requires students to demonstrate knowledge and skill in various applications of basic design. Students examine the social and psychological aspects of fashion, understanding how acquisition of clothing has changed over time. While Fashion and Textiles provides the preliminary essential component of an occupational sequence in Fashion Design and Merchandising, course work is beneficial to students as consumers today and in the future.

FCS04 (222511) FOODS AND NUTRITION  1 Trimester; 1 Credit
Prerequisite: Teen Living or Adult Living: 10th-12th Grade
Food and Nutrition courses provide students with a basic understanding of food’s role in society, instruction in how to plan and prepare meals, experience in the proper use of equipment and utensils, and background on the nutritional needs and requirements for healthy living. Some classes place a heavier emphasis on the nutritional components of a balanced diet, while others concentrate on specific types of food preparation.

FCS10 (221523) COLLEGE, CAREER, AND PERSONAL DEVELOPMENT  1 Trimester; 1 Credit
Prerequisite: Teen Living or Adult Living; 12th Grade
The Career, College, and Personal Development curriculum focuses on the young adult as an individual preparing for responsibilities related to the workplace, college, and adulthood. The student will gain self-awareness, career and military knowledge and exploration, employability skills, leadership, apply for colleges, apply for scholarships, and family management skills. Career, College, and Personal Development is designed as a one-semester/trimester class recommended for 12th grade students during 1st semester/1st or 2nd trimester. A personal career exploration is desirable as part of this course.

PERSONAL DEVELOPMENT & CAREER EXPERIENCE
ELE01 LEADERSHIP  
Prerequisite: Application and Teacher Approval  
Leadership class is for students wanting to develop their personal leadership skills and through this, have a positive impact on their school. Students will be applying their leadership skills in various activities including student advocacy, leadership, school spirit, and other PBIS (Positive Behavior Intervention Supports) initiatives. Students will be building and running all of the main components of our PBIS school wide system. There are opportunities for outside leadership activities which may include the ability to earn dual credit.

#250 (22051) LIBRARY SCIENCE  
Prerequisite: Submit application form for teacher approval; Teacher Approval Required  
Students in Library Science will learn all aspects of operating a school library: maintain collection, process materials, provide automated services, assist with online research, create displays, read and recommend titles. Typing, filing, and some computer skills are essential. Student must submit an application found at the end of this guide to the FHS librarian at pre-registration. Students may receive credit for a second year, but third year requires working at the Filer Elementary Library. A student who successfully completes this course will be employable at any of the area libraries.

#055 (22051) TEACHER ASSISTANT  
Prerequisite: 11th–12th Grade; Application and Teacher Approval Required; GPA Requirement 2.5  
Students who wish to be assigned as a TA must submit a signed application to the counselor. A TA position requires the ability to work with both students and teachers. Good work habits, excellent attendance, and maintaining confidentiality are expected.

#053 (22051) OFFICE ASSISTANT  
Prerequisite: 11th-12th Grade; Application and Office Approval Required; GPA Requirement 2.5  
Students wishing to be office assistants should be presentable to the public, have good skills in speaking to parents, patrons, and visitors both in person and on the telephone. Good attendance and maintaining confidentiality are required. Student must submit a signed application to the counselor.

#051, 052, 054 (22051) ELEMENTARY, INTERMEDIATE, OR MIDDLE SCHOOL ASSISTANT  
Prerequisite: 11th-12th Grade; Applicants must have own transportation and sign contract; GPA Requirement 2.5  
Students who wish to TA at other buildings must submit applications to staff at the building where they wish to be an assistant. Students will return signed applications to the high school for scheduling. Time slots will be dependent on what is available in the student’s schedule.