ROCKY MOUNTAIN HIGH SCHOOL COURSE DESCRIPTION BOOK 2019-2020

For more information, please visit www.westada.org/rocky & click “2019-2020 Enrollment”
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2019 – 2020 High School Course Descriptions

All courses are graded courses unless otherwise noted.

Fast Forward Program
(funded by Idaho State Legislature)
The Fast Forward Program provides a total of $4125 per student to be used throughout grades 7-12. Funds can be applied to any of the following: Concurrent Credit classes, Advanced Placement exams, International Baccalaureate exams, qualifying Career Technical Education exams, or overload courses. Instructions on how to access Fast Forward funds will be provided to students by their instructor, as registration dates approach for classes and exams. Information can also be found on the district website at http://www.westada.org/fastforward.

West Ada School District Fast Forward Guide

Step 1: Complete the West Ada Fast Forward Participation Form online.
• Go to the PowerSchool Parent Portal.
• Click on “update student information” bottom left corner.
• Available forms will display. Click on Fast Forward.
• The process for the Fast Forward Participation form will only have to be completed once per student during their high school career.

Step 2: Obtain college course information from student’s high school teacher.
• High School teachers will provide student with the college concurrent credit course information or exam name (AP, CTE, or IB).
Step 3: **Create an account** in the Advanced Opportunities Portal.
- Only one account can be created per student. If a student has an existing account, they will proceed to “Step 4” below to request funding.
- To create an account:
  - Log in to Advanced Opportunities Portal (http://advancedops.sde.idaho.gov/) and create account.
    - Use Chrome as your browser (most other browsers will work too). **Do not use Internet Explorer!**
  - Follow instructions provided by high school teacher or located on West Ada District webpage under “Academics” and “Fast Forward Program”.
    - Student full legal first and last name as it appears in PowerSchool must be used when creating account.
    - Choose West Ada in drop down menu.

Step 4: **Request funding through the Advanced Opportunities Portal.**
- Log in to the Advanced Opportunities Portal (http://advancedops.sde.idaho.gov/) to request funding for EACH class or exam.
  - Use Chrome as your browser (most other browsers will work too). **Do not use Internet Explorer!**
- Follow instructions provided by high school teacher or located on West Ada District webpage under “Academics” and “Fast Forward Program”.
- West Ada is in drop down menu. Funding MUST be requested during the same semester that the student registers for the course or exam. Most year-long BSU, ISU, NNU courses register in the fall. Most year-long CWI courses register in the spring. IB exam registration is in the fall. AP and most CTE exam’s register in the spring.

Step 5: **Register for the course through the college/university or with the high school for an AP, IB, or CTE exam.** Your teacher will provide instructions on how to enroll for the course or exam.

**Important points to remember:**
- Requesting Fast Forward funds does not register you for the course with the college (step 4).
- Registering for the course with the college does not request Fast Forward funds (step 5).
- All steps must be complete prior to Fast Forward deadlines or payment for courses/exams will be the responsibility of the student/parent.
- Fast Forward deadlines will be provided each semester by the teacher/school.
- You can check the status of your Fast Forward funds requests by logging in to the Advanced Opportunities Portal (http://advancedops.sde.idaho.gov/) and selecting previous course applications.
Senior Performance Assessment

Students are required to demonstrate proficiency on the district’s senior project that includes a technical paper and oral presentation.

On-line or Correspondence Courses – Important Information

Interested parents and students should contact the school counselor before signing up for on-line or correspondence courses to make sure the credit(s) will count toward graduation requirements.

High School Definitions and Icons

Meets the Humanities Requirement

Concurrent Credit

IB – Courses will be offered at Renaissance High School for Seniors and Juniors. See your counselor for more information.

Technical Dual Credit – See your Career & Technical Education (CTE) course instructor for full details.

Enrollment Requires an Application and Space May Be Limited

Transportation – Students must provide their own transportation.
High School Definitions and Icons

**General Information for Concurrent Credit, Honors and AP:**
Self-motivated and independent learners who are excited about challenging tasks and ideas in a subject area will succeed in these classes. Students should be prepared to spend one to two hours per week on outside-of-class assignments per course. Students may find earning an “A” to be more difficult than in other courses. No curriculum adjustments will be made to slow the instructional pace or limit the level of instruction of the course.

**Concurrent Credit (Dual Credit):**
Students enrolled in a concurrent credit class are taught on a level comparable to a freshman college course using university-approved instructional materials. In this setting, students are academically challenged and expected to think analytically, speak, and write at a college level. Universities charge fees, including a one-time enrollment fee, when enrolling in a concurrent credit course. Students are required to complete college level assignments outside of class time. Concurrent credit differs from AP courses. Concurrent credit students earn the number of credits for which they enroll, and the grade earned in the course is the grade posted to their college transcript. Most credits transfer to colleges and universities; however, as a precaution before registering for concurrent credit students/parents should check with the colleges and universities they are considering attending to confirm their policies. These courses are graded on a four-point grading scale unless it is a designated AP course in which a five point scale is used. Please note: All concurrent credit courses are dependent upon instructor and course approvals by the local universities. A course may not be offered as listed based upon movement of staff.

**Honors:** These courses follow the district curriculum but proceed at an accelerated instructional pace and include more instructional depth. Students who are successful in honors courses usually perform academically in the top 10% nationally in their chosen subject area. These courses are graded on a four-point grading scale.

**AP (Advanced Placement):** All AP courses follow a nationally standardized rigorous curriculum developed by The College Board. Students who are usually successful in AP courses are those who perform academically in the top 2% nationally in their chosen subject area. To receive college level AP credit a student must take the AP exam and pass it. Credits are awarded by the various colleges and universities according to the score received on the AP exam. Students/parents should check with the specific college or university to see their AP acceptance policy. There is an additional fee to take the AP exam. These courses are graded on a five-point grading scale.

**IB (only available at Renaissance High School):** All International Baccalaureate (IB) courses follow the rigorous IB philosophy and implement instruction and assessment that support the IB Student Learning Profile. To earn an IB Diploma, students take exams in six subject areas earning a minimum of 24 out of 42 possible points. Each exam is evaluated on a 1 to 7-point scale. Other requirements for the IB Diploma include successful completion of CAS (Community, Action, Service), the Extended Essay, and Theory of Knowledge class. Students can earn IB Certificates by passing individual subject exams without seeking an IB Diploma. There is a fee to take IB exams and a general registration fee for the tests during the senior year. Students and parents should check with specific colleges and universities to see how they reward successful IB performance. In West Ada School District, some IB courses are graded on a five-point scale.

**CTE (Career and Technical Education):** CTE program classes offer students applied learning opportunities that align to in-demand job workplace skills. Coursework is designed to prepare students for employment certification exams, a seamless transition on to postsecondary technical colleges, or industry skills applicable to employment readiness. Some of the essential components of establishing a CTE program is to maintain an active industry advisory board, provide state-of-art equipment and curriculum that meets industry standards, and to promote CTE student organizations, which provide students with opportunities to develop leadership skills as well as competition opportunities to showcase their CTE skills. To learn more, visit www.westada.org/CTE
Frequently Asked Questions about AP, Honors, IB Courses, and Courses Offered for Concurrent Credit

1. What is the difference between an Advanced Placement course and an Honors course?
Check the sheet with the descriptions of Advanced Placement (AP) and Honors courses found in the Course Description Handbook from your school. This tells you what caliber of student will do well with the type of work expected in each of these.

2. What is an AP Exam and why would a student want to take one? Which AP courses offer the exam?
For each AP course, an AP exam is administered at participating schools worldwide. Except for AP Studio Art – which is a portfolio assessment – each AP Exam contains a free-response section (either essay or problem-solving) and a section of multiple-choice questions. The modern language exams also have a speaking component, and the AP Music Theory Exam includes a sight-singing task. Each AP Exam is given an overall grade of 1, 2, 3, 4, or 5, with 5 indicating a student who is extremely well qualified to receive college credit and/or advanced placement based on an AP Exam grade.

Instructors of these courses will provide additional information about the cost, date and time the exam will be given for that particular course at the beginning of the course.

3. What is the grading scale on the AP exams and what significance does the score hold? Is there a minimum a student must get?
The end product of the AP Exam is the AP grade that is reported to students, their schools, and their designated colleges in July. The colleges use these grades as evidence of the students’ abilities and achievement when they make their decisions regarding whether or not to grant credit and/or advanced placement.

The AP grade scale ranges from 5 to 1:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
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<tbody>
<tr>
<td>5</td>
<td>Extremely well qualified</td>
</tr>
<tr>
<td>4</td>
<td>Well qualified</td>
</tr>
<tr>
<td>3</td>
<td>Qualified</td>
</tr>
<tr>
<td>2</td>
<td>Possibly qualified</td>
</tr>
<tr>
<td>1</td>
<td>No recommendation</td>
</tr>
</tbody>
</table>

Each college or university must decide what evidence is sufficient to demonstrate that the student has satisfied one or more of its course requirements. You can find this out by contacting the schools your student is interested in attending.

4. How many colleges accept AP credits?
The best source of specific and up-to-date information about an individual institution’s policy is its catalog or Website.
5. **What does concurrent credit mean and how does a class qualify for it?**

   **What expenses are related to taking a course for concurrent credit?**

   Concurrent credit is defined on the sheet provided in the Course Description Handbook for your school. In order to qualify for concurrent credit a teacher must submit their class syllabus, student assignments and testing expectations. Once these have been reviewed by a university, they determine whether the class is comparable to what the institution offers. Some universities will approve concurrent credits in one content area and not another. Any course that has been approved for a concurrent credit will have a symbol next to them in the Course Description Handbook. Current cost of credits is $65 for each credit. Most courses are offered for 3 to 5 credits.

6. **How does concurrent credit differ from AP Exams?**

   Students enrolled in high school AP courses have the option of taking an AP exam. Credits are awarded by the university they attend, based upon their test score. Concurrent credit students earn the number of credits for which they enrolled, and the grade earned is the grade for the course, not the grade for one particular test.

7. **Where is the IB Program offered?**

   IB courses are offered at Renaissance High School.

8. **What is IB and how is it different from AP and Concurrent Credit courses?**

   IB and AP courses are considered by most colleges and universities as most demanding. Students may take an individual IB course as you would any AP class or a student may take the entire IB diploma. (See the IB definition found in the Course Description handbook.) IB courses require both internal and external assessments which determine the final score in the class. IB exams are scored on a 7-point scale. Each college or university establishes their own policy on acceptance of IB classes for college credit. It is best to check the individual institution’s IB policy.

   In a Concurrent Credit class, students earn college credit based on their work over the course of the year or semester as opposed to earning credit based on an exam at the completion of the course.
STUDENT SELF-ASSESSMENT FOR ACCELERATED COURSES

If your student has high test scores and high grades, he/she may benefit from taking a high school honors, Advanced Placement (AP), or concurrent credit course. Accelerated courses may be more interesting and challenging for your student. Students interested in taking advantage of this opportunity should make the most of their educational experience by attending school regularly, participating in class, and following through on homework assignments. A short student self-assessment survey is provided below to help your student assess his/her readiness for an accelerated course.

To evaluate your readiness for an accelerated course, circle where you feel you are on a scale of 1 – 5.

<table>
<thead>
<tr>
<th>No</th>
<th>Sometimes</th>
<th>Yes</th>
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<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
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<td>1</td>
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Scoring: If you have rated two or more questions less than four, you may want to select an on-grade level course.
TIME COMMITMENT WORKSHEET FOR
ACCELERATED COURSES

Using the time allocation and commitment charts below, please evaluate your time schedule to better understand your ability to succeed in your selected accelerated courses. **Remember to allocate an average of 1-1/2 to 2 hours of study time (excluding class time) per day for each accelerated course.**

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<th>ACTIVITY</th>
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<td></td>
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<tr>
<td><strong>Total</strong></td>
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**The Rigor Commitment Form for accelerated courses will be found in the PowerSchool Parent Portal.**
## COURSES THAT CURRENTLY MEET THE HUMANITIES REQUIREMENT

(Courses listed meet State Humanities Standards. State Standards include History and Culture, Critical Thinking and Performance or Language Acquisition.)

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<th>Section</th>
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<td>Introduction to College Art</td>
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<td>Acting I A&amp;B</td>
<td>Performing Arts</td>
<td>Introduction to Mass Media</td>
<td>Communication</td>
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<td>Performing Arts</td>
<td>Japanese I A&amp;B</td>
<td>World Languages</td>
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<tr>
<td>Advanced Acting A&amp;B</td>
<td>Performing Arts</td>
<td>Japanese II A&amp;B</td>
<td>World Languages</td>
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<tr>
<td>Advanced Art A&amp;B</td>
<td>Visual Arts</td>
<td>Japanese III A&amp;B</td>
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<td>Visual Arts</td>
<td>Japanese IV A&amp;B</td>
<td>World Languages</td>
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<td>Visual Arts</td>
<td>Jazz Band A&amp;B</td>
<td>Music</td>
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<td>Advanced Printmaking</td>
<td>Visual Arts</td>
<td>Jazz Choir A&amp;B</td>
<td>Music</td>
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<td>American Sign Language I A&amp;B</td>
<td>World Languages</td>
<td>Latin I A&amp;B</td>
<td>World Languages</td>
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<td>American Sign Language II A&amp;B</td>
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<td>Latin II A&amp;B</td>
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<td>Latin III A&amp;B</td>
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<td>Latin IV A&amp;B</td>
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<td>Mandarin I A&amp;B</td>
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<td>Mandarin III A&amp;B</td>
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<td>Ceramics I</td>
<td>Visual Arts</td>
<td>Men's Concert Choir A&amp;B</td>
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<td>Ceramics II</td>
<td>Visual Arts</td>
<td>Music Awareness</td>
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<td>AP Studio Art: Drawing</td>
<td>Visual Arts</td>
<td>Musical Theatre A&amp;B</td>
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<td>Printmaking</td>
<td>Visual Arts</td>
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<td>Concert Choir A&amp;B</td>
<td>Music</td>
<td>Short Film &amp; Documentary Production A&amp;B</td>
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<tr>
<td>Design</td>
<td>Visual Arts</td>
<td>Spanish I A&amp;B</td>
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<td>Digital Painting</td>
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<td>Drawing</td>
<td>Visual Arts</td>
<td>Spanish III A&amp;B</td>
<td>World Languages</td>
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<tr>
<td>Drawing/Painting A</td>
<td>Visual Arts</td>
<td>Spanish IV A&amp;B</td>
<td>World Languages</td>
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<tr>
<td>Drawing/Painting B</td>
<td>Visual Arts</td>
<td>Spanish V A&amp;B</td>
<td>World Languages</td>
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<tr>
<td>French I A&amp;B</td>
<td>World Languages</td>
<td>Symphonic Band/ Marching Band A&amp;B</td>
<td>Music</td>
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<tr>
<td>French II A&amp;B</td>
<td>World Languages</td>
<td>The Literature of Film</td>
<td>Language Arts</td>
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<tr>
<td>French III A&amp;B</td>
<td>World Languages</td>
<td>Traditional Folk Art</td>
<td>Visual Arts</td>
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<td>French IV A&amp;B</td>
<td>World Languages</td>
<td>Treble Choir A&amp;B</td>
<td>Music</td>
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<td>French V A&amp;B</td>
<td>World Languages</td>
<td>Varsity Jazz Band A&amp;B</td>
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<td>German I A&amp;B</td>
<td>World Languages</td>
<td>Wind Ensemble A&amp;B</td>
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<td>German V A&amp;B</td>
<td>World Languages</td>
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<tr>
<td>History of Rock and Roll</td>
<td>Music/Social Studies</td>
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<td>Honors Spanish II A&amp;B</td>
<td>World Languages</td>
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<tr>
<td>Illustration</td>
<td>Visual Arts</td>
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Business, Marketing and Office Technology

Accounting I A & II B
Course Number(s): 12104T1011, 12104T1031
Open to: 10, 11, 12
Credit: 2
Prerequisite: None
Content: After completing this class, you will be able to properly record financial transactions, construct financial statements, and interpret the statements in order to make useful business and investment decisions. Topics include: the accounting cycle, the accounting equation, revenues and expenses, accounts receivable and accounts payable, inventory, payroll, depreciation, and financial analysis, and an introduction to managerial accounting.

Computerized Accounting
Course Number(s): 12104T1021
Open to: 11, 12
Credit: 1
Prerequisite: Successful completion of Accounting I A & II B
Content: This course expands on topics introduced in Accounting I A & II B while adding new topics about managerial accounting, cost accounting, and financial analysis. Computerized accounting programs or QuickBooks are integrated in this course.

Computer Applications I
Course Number(s): 10005T1011
Open to: 9, 10, 11, 12
Credit: 1
Prerequisite: Proficient keyboarding skills are highly recommended.
Content: Variety is offered through the use of Microsoft Word, Excel, PowerPoint software, as well as scanners and digital cameras. This is a great class for students who will be completing electronic projects and portfolios for academic classes.

Computer Applications II
Course Number(s): 10005T1021
Open to: 9, 10, 11, 12
Credit: 1
Prerequisite: Successful completion of Business Computer Applications I at the high school level
Content: This is an advanced computer applications class, which allows a student to take their computer software skills to a higher level. Advanced skills are taught in Microsoft Word and Excel. Students who complete this course will have the opportunity to study and advance to Computer Applications III. This class will prepare the students to pass the Microsoft Office Specialist certification (MOS) in Word.

Computer Applications III
Course Number(s): 10005T1031
Open to: 10, 11, 12
Credit: 1
Prerequisite: Successful completion of Business Computer Applications II
Content: This is a post-advanced computer applications class which focuses on preparing students to pass the Microsoft Office Specialist certification (MOS) in Excel and Access. PowerPoint certification is optional.

Desktop Publishing
Course Number(s): 11152T1011
Open to: 9, 10, 11, 12
Credit: 1
Prerequisite: None
Content: A course designed to develop proficiencies in the planning, designing, and development of business and promotional documents (newsletters, magazines, advertisements, etc.) using industry standard pagination and graphic design software. Identification of client needs and consideration of the intended audience direct the work students engage in as they combine appropriate text, graphics and design concepts to communicate the desired message effectively. Publishing careers will be examined.
**Personal Finance**
Course Number(s): 12107T1011
Open to: 10, 11, 12
Credit: 1
Prerequisite: None
Content: This class addresses individual, everyday financial decisions. Simulations provide students with practice completing routine personal financial records including budgeting, saving and investing strategies, income tax e-filing, credit, borrowing, planning, insurance, investing, estate planning, consumer rights, and banking services. They will also examine financial literacy within the larger context of the regularity environment, society, and data integrity and ethics.

**Sports and Entertainment Marketing**
Course Number(s): 12163T1011
Open to: 10, 11, 12
Credit: 1
Prerequisite: Successful completion of Marketing Economics or instructor approval.
Content: This course introduces the marketing and management functions and tasks that can be applied in amateur or professional sports or entertainment. Outside activities may be required.

**Advertising & Promotions**
Course Number(s): 12165T1011
Open to: 10, 11, 12
Credit: 1
Prerequisite: None
Content: This course focuses on the purpose of the promotional strategy of advertising and its role in the marketing environment. Students will learn to create, produce, and evaluate advertising campaigns. Emphasis is placed on merchandising products and services through visual display, flyers, posters, newsletters, television, radio and other media.

**Business Essentials**
Course Number(s): 12001T1011
Open to: 9, 10, 11, 12
Credit: 1
Prerequisite: None
Content: A course designed to introduce students to integrated life strategies which expose career-sustaining life skills for a wide range of occupations in business. This course introduces students to individual strengths and career exploration opportunities including skills such as interpersonal, employability, presentation, leadership, study, and communication skills. Emphasis may include building self-esteem, professionalism, parliamentary procedures, and educational resources. Students may participate in a Professional-Technical Student Organization (PTSO).

**Principles of Marketing & Management**
Course Number(s): 12164T1011
Open to: 11, 12
Credit: 1
Prerequisite: Successful completion of Introduction to Marketing & Sports and Entertainment Marketing
Content: Students will receive a broad overview of the dynamic activities associated with the role played by marketing elements/concepts, professional sales techniques, business and distribution operations, buying and pricing merchandise, management skills and product planning. Students will learn the basic functions of management and how goals of an organization are accomplished through the effective use of people and other resources.

**Business Ownership/Entrepreneurship**
Course Number(s): 12053T1011
Open to: 11, 12
Credit: 1
Prerequisite: Application and teacher recommendation
Content: A course, which provides the knowledge, skills and understanding, related to the ownership and management of a business. The focus of the course is on the development of a viable business plan related to the student’s area of entrepreneurial interest.
Communication

Speech
Course Number(s): 01151G1011
Open to: 9, 10, 11, 12
Credit: 1 (Speech Requirement)
Prerequisite: None
Content: This class introduces the student to the communication process, listening skills, viewing skills, and public speaking. Emphasis is placed on student performance activities.

Competitive Speech A & B
Course Number(s): 01152G1011, 01152G1012
Open to: 9, 10, 11, 12
Credit: 2 (Speech Requirement)
Prerequisite: None
Content: This is an advanced course in public speaking with emphasis on competition in interscholastic speech contests. Speech categories include oratory, extemporaneous, retold story, sales, expository, impromptu, panel discussion, radio, oratorical analysis, humorous and serious interpretation, and after dinner speaking. Students will be offered the opportunity to compete in interscholastic debate contests.

Advanced Competitive Speech A & B
Course Number(s): 01152G1021, 01152G1022
Open to: 10, 11, 12
Credit: 2 (This course may be repeated.)
Prerequisite: Successful completion of Competitive Speech A & B
Content: This is an advanced course in public speaking with emphasis on competition in interscholastic speech contests for varsity level speakers. Students will be offered the opportunity to compete in interscholastic debate contests.

College Speech
Course Number(s): 01151H1031
Open to: 9, 10, 11, 12
Credit(s): 1 (Speech Requirement)
Prerequisite: Signed Rigor Commitment Form, Age 16 or meet university requirements for students under age 16
Content: This course emphasizes the theory and practice of informative public speaking, logical argumentation, persuasion, small group discussion, and interpersonal communication. It is designed to help students engage in the understanding of human communication and practice of improving one's ability to express ideas orally. The course will meet the requirements of the credit-granting university. This is an approved NCAA course.

Debate A & B
Course Number(s): 01153G1011, 01153G1012
Open to: 9, 10, 11, 12
Credit: 2 (Speech Requirement)
Prerequisite: 3.0 GPA, Letter of recommendation, and/or instructor approval.
Content: This course is for beginning debaters only. The course includes extensive library research, logic and reasoning, organization techniques, public speaking experience, and fundamentals of argumentation and debate. Students will be offered the opportunity to compete in interscholastic debate contests.

Advanced Debate A & B
Course Number(s): 01153G1021, 01153G1022
Open to: 10, 11, 12
Credit: 2 (This course may be repeated.)
Prerequisite: Successful completion of Debate A & B or equivalent course, 3.0 GPA, and/or instructor approval.
Content: This course is for varsity level debaters and emphasizes individual research; affirmative and negative case strategies, and analysis of theory and argumentation. The course involves extensive outside of class research and preparation time. Students will be offered the opportunity to compete in interscholastic debate contests.
**Introduction to Newspaper**
Course Number(s): 11101G1011
Open to: 9, 10, 11, 12
Credit: 1
Prerequisite: 2.5 GPA
Content: This class introduces students to journalistic practices and techniques, concentrating on news writing. Students will learn the history and techniques of journalistic writing including news and sports stories, editorials, features, headlines and captions. Newspaper layout also is addressed. This course is a prerequisite to working on the high school newspaper. Students who completed the Publications/Newspaper course in middle school have fulfilled this prerequisite.

**Newspaper A & B**
Course Number(s): 11104G1011, 11104G1012
Open to: 10, 11, 12
Credit: 2
Prerequisite: Successful completion of Introduction to Newspaper or newspaper experience, 2.5 GPA and instructor approval.
Content: This class teaches students newspaper practices through the regular production and distribution of the school newspaper. Students are responsible for all facets of production including report, writing, layout, photography, and advertising. Credit is granted for each successive year the student successfully completes.

**Advanced Newspaper A & B**
Course Number(s): 11104G1021, 11104G1022
Open to: 11, 12
Credit: 2 (This course may be repeated.)
Prerequisite: Successful completion of Newspaper and/or instructor approval.
Content: This class is specific for those students beyond their first year of newspaper. Students will learn newspaper practices through the regular production and distribution of the school newspaper. Students are responsible for all facets of production including report, writing, layout, photography, and advertising. Credit is granted for each successive year the student successfully completes.

**Yearbook A & B**
Course Number(s): 11104G1031, 11104G1032
Open to: 9, 10, 11, 12
Credit: 2
Prerequisite: 2.5 GPA and instructor approval.
Content: Yearbook teaches students how to prepare a yearbook for publication, including page layout, copy and headline writing, and production coordination. Students are responsible for taking, developing, and printing photographs for the publication. Credit is granted for each successive year the student successfully completes.

**Advanced Yearbook A & B**
Course Number(s): 11104G1041, 11104G1042
Open to: 11, 12
Credit: 2 (This course may be repeated.)
Prerequisite: Successful completion of Yearbook A & B and instructor approval.
Content: Yearbook teaches students how to prepare a yearbook for publication, including page layout, copy and headline writing, and production coordination. Students are responsible for taking, developing, and printing photographs for the publication. Credit is granted for each successive year the student successfully completes.

**Introduction to Digital Photography**
Course Number(s): 05167G1031
Open to: 9, 10, 11, 12
Credit: 1
Prerequisite: None
Content: This course is an introduction to photography emphasizing the creation and manipulation of original images using digital cameras. The course includes basic techniques of digital camera operation, use of editing software to retouch, enhance, and manipulate photographic images, and the development of an understanding of composition and design principles as related to the field of photography.
Digital Photography I A & B
Course Number(s): 11052T1011, 11052T1012
Open to: 10, 11, 12
Credit: 2
Prerequisite: None
Content: This is an introductory course in color and black and white digital photography. Students will explore digital photography, and the history of photography and famous photographers. Students will also learn how a digital camera works, how to use digital camera features and how to apply the elements and principles of design to picture composition. Students will become proficient in the use of Adobe Photoshop as the digital darkroom. Students will be introduced to the reciprocal value of apertures and shutter speeds, environmental and posed portraits, guidelines for setting up a still life, elements of photojournalism, and documentary photography. Students will write an artist statement and produce a final portfolio.

Digital Photography II A & B
Course Number(s): 11052T1021, 11052T1022
Open to: 11, 12
Credit: 2
Prerequisite: Successful completion of Digital Photography A & B
Content: Students work more independently and in small groups to present work to students in lower levels, build on and improve current photography portfolio, and continue experience in photojournalism and documentary photography. Students learn to set up, tear down and run a commercial photography studio as service to school and community programs. Students continue to cover events as photojournalists, submitting work to school and community publications. Students produce a portfolio of the semester's work.

Digital Photography III A & B
Course Number(s): 11052T2031, 11052T2032
Open to: 12 or by instructor approval.
Credit: 4 (2 hour block, 2 semesters)
Prerequisite: Successful completion of Digital Photography II A & B
Content: This course is designed to provide a capstone experience in the photography program. Students will design independent assignments and projects based on their career interests such as commercial, portraiture, photojournalism, art photography, etc. Students research and explore post-secondary opportunities in related fields and complete a portfolio for college or work-place submission. Students will participate in at least one job shadow and/or internship experience. The final project for the year-long course will be a student produced book of their own photographs.

Video Technology I
Course Number(s): 11103T1011
Open to: 9, 10, 11, 12
Credit: 1
Prerequisite: None
Content: This class introduces students to the video production process. The class includes hands-on experience with the techniques and practices of video production. The process, vocabulary and proper use of the video equipment will be emphasized throughout the class. The class will require the student to produce and create video projects for the class.

Video Technology II A & B
Course Number(s): 11103T1012, 11103T1013
Open to: 10, 11, 12
Credit: 2
Prerequisite: Successful completion of Video Technology I
Content: Video Technology II builds on the knowledge and experience acquired through Video Technology I. The student will be given an opportunity to participate in all facets of the video production process with an emphasis on professional quality videography and production techniques. The student will be exposed to video technology that includes the use of a computer for video editing. Students will have an opportunity to interact with faculty, staff, and businesses within the community.

Broadcast Technology A & B
Course Number(s): 11103T2031, 11103T2032
Open to: 11, 12
Credit: 4 (2 hour block, 2 semesters)
Prerequisite: Video Technology II A and B and instructor approval.
Content: This course is designed to provide students with opportunities to produce, direct, host, and write programs to be aired on commercial and public media.
**Computer Sciences: Programming and Web Design**

**Exploring Computer Science**
Course Number(s): 10012T1011  
Open to: 9, 10  
Credit: 1  
Prerequisite: Successful Completion of Math 1 A-B or concurrently enrolled.  
Content: This course is a survey of computer technologies. This course may include computer history, ethics of computer and network use, basic web design, introduction to graphics and animation, survey of computer hardware and operating systems, basic networking information, and basic programming principals.

**Web Design I**
Course Number(s): 12003T1021  
Open to: 9, 10  
Credit: 1  
Prerequisite: Successful Completion of Math 1 A-B or concurrently enrolled.  
Content: This course covers the language of the World Wide Web. Students will learn to create and publish web pages, using web graphics and languages such as HTML, CSS, and Java script. The final project will be the creation of an entire original website which could be published on the Internet.

**Web Design & Development A & B - CTE Center - Centennial Campus**
Course Number(s): 10201T1011, 10201T1012  
Open to: 10, 11, 12  
Credit: 2 (1 period, 2 semesters)  
Prerequisite: Successful completion of Web Design I  
Content: Web Design & Development continues where Web Design I ended, and students will learn how to make a variety of creative and valuable web sites with the new and exciting features offered by HTML 5, CSS 3, and JavaScript. We will also learn how to make highly interactive websites using techniques not covered in Web Design I, including an introduction to the server-side language PHP, as well as the mySQL database. Both of these are the foundation for websites that involve e-commerce, blogs, social media, and similar websites that are very modern, fun, and valuable for individuals, companies and organizations.

**AP Computer Science Principles A & B – Advanced Placement - CTE Center - Centennial Campus**
Course Number(s): 10157T1011, 10157T1012  
Open to: 10, 11  
Credit: 2 (1 period, 2 semesters)  
Prerequisite: Exploring Computer Science  
Content: This AP course introduces students to the central ideas of computer science. It involves seven big ideas of computer science, including Creativity, Abstraction, Data & Information, Algorithms, Programming, Internet Connectivity, and Global Impact. The first big idea, Individual Creativity is highly emphasized throughout the course. AP credit can be earned by taking and passing a multiple choice College Board exam in May.

**AP Computer Science A & B – Advanced Placement - CTE Center - Centennial Campus**
Course Number(s): 10158E1011, 10158E1012  
Open to: 11, 12  
Credit: 2 (1 period, 2 semesters)  
Prerequisite: AP Computer Sciences Principles A & B  
Content: This object-oriented programming is taught through Java. Topics covered: program design and documentation, problem solving techniques, polymorphism, derived classes, AP Case Study, strings, recursion, arrays, 2D arrays, sorting, inheritance, Boolean algebra, object reference variables, file IO and Big O. Second semester topics include: AP Case Study, linked lists, stacks, queues, trees, and common algorithms (recursion, searching and sorting). Students who complete A & B will be eligible to take the AP Computer programming test in May.
**Database Design & Programming A & B - CTE Center - Centennial Campus**

Course Number(s): 10201T1021, 10201T1022  
Open to: 11, 12  
Credit: 2 (1 period, 2 semesters)  
Prerequisite: Web Design & Development A & B  
Content: A “database” is how a business organizes all of its data about employees, customers, students, patients, inventory, and all of the many other things that must be tracked. Students in this course will learn how to design and create databases such as MySQL, including both the creation of the database and its optimization using Entity Relationship Diagrams and Normalization. Students will also learn how to access the database on the server using the PHP programming language, and how to extract information from the database using the SQL language. This course is the 3rd course in a 4-year sequence of education for LAMP "full stack" website development. The 9th and 10th grade classes prepare front-end (client) skills of HTML 5, CSS 3, and JavaScript family languages, while this class and the 12th grade class prepares students for the back-end (server) skills. At the completion of this course, students will have the highly valuable skills needed to design, create, program, maintain, and use a database for a small organization or business, and after the 12th grade class students will be highly capable full-stack developers ready for college or career.

**Advanced Computer Science A & B - CTE Center - Centennial Campus**

Course Number(s): 10152T1021, 10152T1022  
Open to: 12  
Credit: 2 (1 period, 2 semesters)  
Prerequisite: AP Computer Science A & B  
Content: This capstone class extends all of the topics learned in the grade 9-11 classes, adding more depth, more teamwork, and more individual R&D. We will have four major units of study, each requiring about one quarter (9 weeks) of our school year: 1. Computer Networks: Cybersecurity 2. Computer Electronics: Microcomputers, Microcontrollers & Internet of Things 3. Computer Programming: Android Apps created with Java 4. Computer Controlled Manufacturing: 3D Printers, CNC Machines, & Robotics  

About 75% of each module will be fundamentals taught step-by-step to every student in the class, followed by about 25% as a unit research project by either individual students or small teams of students. We will also have an overall research project, following nationally recognized rigorous procedures for formal R&D (e.g., Intel Science & Technology rules) to make sure our students are very well prepared for college or career.

**Advanced Web Design & Development A & B - CTE Center - Centennial Campus**

Course Number(s): 10201T1031, 10201T1032  
Open to: 12  
Credit: 2 (1 period, 2 semesters)  
Prerequisite: Database Design & Programming A & B  
Content: This advanced course will enable to students to build a complete website for a small business. Students will start with a core website involving HTML 5, CSS 3, and JavaScript. Students will then add PHP server side programming to interface with a MySQL database. The resulting website could be used, for example, for e-commerce with catalogs and shopping carts, or a website to manage a small business with inventory, employees, and customers.


**Family and Consumer Sciences**

**Adult Living**

Course Number(s): 22207T1011
Open to: 11, 12
Credit: 1
Prerequisite: None
Content: This course is designed to help juniors and seniors explore the many issues of adult life. Students prepare for responsibilities related to moving out, finances, relationships, building strong families, aging concerns and professional employment. Mature topics or issues will be discussed in this course to include, but not limited to, sexuality, physical intimacy, contraception, and responsibility. FCCLA activities are an integral part of this course.

**Early Childhood Education**

Course Number(s): 19153T2011
Open to: 11, 12
Credit: 2 (2 periods, 1 semester)
Prerequisite: Successful completion of Parenting and Child Development with a 70% or above. Application (see home high school counselor) will include high school transcript, attendance record and two letters of recommendation from teachers or employers.
Transportation: Students must provide their own transportation. **For those students interested in this course, expect to attend class at Meridian High School.**
Content: Early Childhood Education is a course designed to prepare students for employment in entry level positions in the field of early childhood care, education, and related services or for further education in early childhood education. Classroom learning experiences target employability skills, standards and laws, as well as management in early childhood education. Child development and guidance, health and safety, nutrition, and on-the-job training are also emphasized throughout the program. **Students must be able to pass a Criminal Background Check.**

**Advanced Early Childhood Education**

Course Number(s): 19153T2011
Open to: 12
Credit: 2 (2 periods, 1 semester)
Prerequisite: Successful completion of Early Childhood Education with a 70% or above.
Transportation: **Students must provide their own transportation to their off-site center.**
Content: This is the capstone course in the Early Childhood Education pathway. Students who take this course will learn business management skills in the early childhood industry, day-to-day operations in a child care center, assist with record-keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. This course also includes an internship with a local early childhood center working with infants, toddlers, or children with special needs. Students will learn Adult, Child, and Infant CPR/First Aid and can earn/renew a CPR certification. **Students must be able to pass a Criminal Background Check.**

**Education Assistant**

Course Number(s): 19151T2022
Open to: 11, 12
Credit: 2 (2 periods, 1 semester)
Prerequisite: Successful completion of Teen Living II or Career & Personal Development/Leadership and Parenting and Child Development with 70% or above. Required application (see home high school counselor) that includes high school transcript, attendance record and two letters of recommendation from teachers or employers.
Transportation: Students must provide their own transportation. **For those students interested in this course, expect to attend class at either Rocky Mtn. or another high school site.**
Content: The Education Assistant program provides high school students with an opportunity to interact with elementary students and work directly with an elementary classroom teacher. In this capacity, the student will be able to observe younger students in classroom situations, work one-on-one with students from diverse populations, assist with both small and large groups of students, and observe and demonstrate professional practices. A portfolio is a final requirement.
**Interior Design**
Course Number(s): 19205T1021
Open to: 10, 11, 12
Credit: 1
Prerequisite: None
Content: This course focuses on the housing industry and emphasizes consumer skills in personalizing living space and career opportunities in the housing and design fields. Students will be given the opportunity to complete various hands-on projects. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

**Parenting & Child Development A & B**
Course Number(s): 22204T1011, 22204T1012
Open to: 10, 11, 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: None
Content: The purpose of this course is to build a positive understanding of children’s growth and development and a solid foundation of parenting skills. This class includes hands-on work with 3-5 year-old children while running and organizing children’s activities. Students learn about stages of human life—prenatal, infancy, childhood, adolescence, adulthood. Topics include: theories of development and growth, positive guidance and discipline techniques, building strong family relationships, health and safety practices, nutritional needs from birth through childhood, and influences on development and learning. This course is a prerequisite for Early Childhood Education and the Education Assistant programs and a good class for anyone interested in being a teacher, child care provider, nurse, doctor, or parent. It is also a great foundation for students interested in psychology, sociology, and human development. FCCLS (Family, Career, and Community Leaders of America) leadership activities are an integral part of this course.

**Foods & Nutrition**
Course Number(s): 22202T1011
Open to: 10, 11
Credit: 1
Prerequisite: None
Content: This course addresses nutrition, wellness and personal lifestyle. Course content includes: food safety and sanitation, food preparation techniques, meal management skills, nutrition, and career option in nutrition and related fields. This course provides students the opportunity to earn their Ready Set Food Safe Certification. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

**Introduction to Culinary Arts A & B**
Course Number(s): 16055T1011, 16055T1012
Open to: 11, 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: Successful completion of Foods & Nutrition and Ready Set Food Safe Certification
Content: This course is a foundation in professional food preparation with practical application in career opportunities, reinforced basic skills, food safety and sanitation, use of commercial equipment, industrial food preparation, business management, service techniques and employability skills. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

**Advanced Culinary Arts A & B – CTE Center - Renaissance Campus**
Course Number(s): 19998T2011, 19998T2012
Open to: 12
Credit: 4 (2 periods, 2 semesters) 2nd Period through 3rd Period; Lunch Break is included
Prerequisite: Introduction to Culinary Arts and Ready Set Food Safe Certification. A minimum final grade of 70% must be achieved in the Introduction to Culinary Arts A & B class and a teacher recommendation is needed
Transportation: Students are encouraged to participate in a minimum of 8 hours of food industry externships per semester. They must provide their own transportation to these off-site events.
Content: This course is a guided, practical, in-house experience working in the district’s student-run restaurant operations. Students will have the opportunity to develop skills and perform the duties required of personnel in food and beverage operations found within the restaurant industry. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.
**Teen Living I & II**  
Course Number(s): 22206T1011, 22206T1012  
Open to: 9, 10  
Credit: 1 to 2  
Prerequisite: None  
Content: Students may select Teen Living 1 or 2 or both. It is recommended students take only one course per semester. Classes can be taken in any order. FCCLA (Family, Career, and Community Leaders of America) leadership activities are an integral part of these courses.

**Teen Living I**  
Teachers will gain skills and knowledge in personal development including, but not limited to; values, goal setting, time management, and decision-making. They will explore practices for teen’s nutrition and wellness, including the safe preparation of simple, healthy, and affordable meals and snacks. Students will develop skills to manage their personal living spaces now and in their futures using the elements of design and resource management skills.

**Teen Living II**  
Teachers will gain skills and knowledge in navigating their relationships, including friendships, romantic relationships, and family relationships. Teachers will develop interpersonal skills, focusing on effective communication to employ at home, in society, and in their future careers. They will explore early childcare practices including, but not limited to; planning and preparing healthy snacks and activities for young children, positive guidance techniques for challenging behaviors, and basic first-aid procedures. Teachers will develop skills to manage their personal clothing needs and care now, and in their future, using the elements of design and resource management skills, including basic sewing skills and clothing repair.

**Leadership**  
Course Number(s): 22101T1011  
Open to: 9, 10, 11, 12  
Credit: 1  
Prerequisite: None  
Content: This course is designed to allow students to explore character traits and to discover the characteristics that are needed to become an effective leader. Students are given an opportunity to apply the knowledge they gain of character and leadership through the planning and implementation of a community service projects. FCCLA activities are an integral part of this course.
Non-CTE Health Option

Health
Open to: 10, 11, 12
This course meets district graduation requirements for health.

CTE Education Pathway Options and Suggested Course Sequence of High School Health Science Courses

12th Grade
- Pharmacy Technician
- EMT Basic
- Health Professions/CNA II
- Sports Medicine III
- Physical Therapy Aide
- Personal Training

11th Grade
- Medical Terminology
- Sports Medicine II

10th Grade (Home High School)
- Health Professions
Health

HS Health
Course Number(s): 08051G1020
Open to: 10, 11, 12
Credit: 1
Prerequisite: None
Content: This course identifies and examines major health issues providing accurate information to help individuals make decisions affecting personal, social and environmental health. Specific units of study include: Mental, Emotional & Social Health; Nutrition & Physical Activity; Environmental Health; Alcohol, Tobacco & Other Drugs; Prevention & Control of Disease; STDs/STIs & HIV/AIDS; Growth, Development & Family Life; Consumer & Community Health; and Injury Prevention & Safety. This course meets district graduation requirements for health.

Foundations in Emergency Care
Course Number(s): 08051G1050 (The Teacher MUST be a certified CPR and First Aid Instructor)
Open to: 9
Credit: 1 Elective (does not meet graduation requirement for Health)
Prerequisite: None
Content: This class introduces basic foundations in emergency care. Students will learn CPR/First Aid and can earn a CPR certification. They will perform basic injury wrapping and universal precautions wound care. They will learn basic anatomy and medical terminology for the body systems. This is a rigorous class for highly motivated students with an interest in health professions. This course is not a Career-Technical (CTE) course. There is an optional fee for CPR Certification.

Health Professions A & B
Course Number(s): 14001T1011, 14001T1012
Open to: 10, 11
Credit: 2 (Meets Health Requirement)
Prerequisite: None
Content: This course is designed for students interested in the Health Careers Pathway or medical field. The course is also the prerequisite to the following upper level courses; 1) Certified Nursing Assistant (CNA), 2) Emergency Medical Technician (EMT), 3) Pharmacy Technician, 4) Medical Terminology, 5) Sports Medicine 2 & 3 and 6) Physical Therapy Aide (PTA). Students will receive a robust overview of the following content areas: the health care industry, medical careers, first aid and CPR, medical terminology, anatomy and physiology, pathophysiology, pharmacology, and basic medical skills. The course will also cover HS Health information. Students will receive the required health education credit for graduation by successfully completing the year-long course and passing the Health EOC.

Sports Medicine II A & B
Course Number(s): 14062T1011, 14062T1012
Open to: 11, 12
Credit: 2
Prerequisite: Successful completion of Health Professions A & B (12th Graders must have Sports Med teacher signature/approval on registration form.)
Content: This course includes training and education as a student athletic trainer. Students will develop skills and pass competencies used in most athletic training settings. The content includes effective communication, practical experience with CPR, first aid, taping, wrapping, stretching and rehabilitation of injuries. Students will be expected to complete a minimum of 30 hours per semester of lab experience in addition to class time. This course does not meet district graduation requirements for health.

Sports Medicine III A & B
Course Number(s): 14998T1011, 14998T1012
Open to: 12
Credit: 2
Prerequisite: Successful completion of Sports Medicine II A & B and Sports Med teacher signature/approval on registration form.
Transportation: Students MUST provide transportation to athletic events.
Content: Students will be instructed in daily training room management involving modalities (electrical, hot, and cold application), inventory, games/practice preparation and documentation. Students will demonstrate competencies in taping, wrapping, modality application, proper use of rehabilitation equipment and high school sports medicine facility management. Students will be expected to complete hours of lab experience in addition to class time. Students will receive a student athletic trainer certificate at the end of the class.
**Physical Therapy Aide**

Course Number(s): 14998T1021  
Open to: 12  
Credit: 1  
Prerequisite: Successful completion of Sports Medicine II A & B, instructor approval and application required  
Transportation: Students **MUST** provide transportation for clinical externships.  
Content: This course is a community-based clinical experience under the supervision of a Physical Therapist where students apply previously learned information from Sports Medicine I and II. Written training agreements and training plans are required. Students must provide their own transportation and dress appropriately.  
**This course does not meet district graduation requirements for health.**

**Personal Training A & B**

Course Number(s): 14062T1021, 14062T1022  
Open to: 12  
Credit: 2  
Prerequisite: Successful Completion of Sports Medicine II B  
Content: This capstone course will cover the following content areas: structure and function of muscular and cardiovascular systems, biomechanics, aerobic training, plyometric training, program design, considerations for special/gifted populations, facility and equipment maintenance, legal issues as they pertain to personal training, and basic business management practices. The course will have strong lab, internship and clinical components (to be determined at each site). Students will be actively involved in the fitness assessment, designing, supervising and evaluation process that influence exercise prescription and personal training.

**Medical Terminology for Health Professions – CTE Center - Renaissance Campus**

Course Number(s): 14154T2042  
Open to: 11, 12  
Credit: 2 (one semester – 2 periods)  
Prerequisite: Health Professions A & B  
Content: This course presents a study of medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content. All body systems, anatomical reference, pharmacology, and medical specialties will be considered. Emphasis is placed on spelling, definition, usage, and pronunciation. This course is required prior to enrolling in Certified Nursing Assistant or Pharmacy Technician and EMT Basic.

**Pharmacy Technician A & B – CTE Center - Renaissance Campus**

Course Number(s): 14197T2011, 14197T2012  
Open to: 12  
Credit: 4 (full year – 2 periods)  
Prerequisite: Successful completion of Health Professions A & B, HS Math II A & B and Medical Terminology. Chemistry is highly recommended. Students must qualify with the instructor in order to be placed in an externship.  
Students will be given alternate assignments if they do not qualify.  
Transportation: Students **MUST** provide transportation for externship at a local pharmacy.  
Content: This course represents the heart of the ADA-CTE Center’s Health Science Pathway. It prepares the student for a career as a Certified Pharmacy Technician (CPHT). The program also provides exposure to requirements for the Doctorate of Pharmacy degree and/or other Health Care careers. The course utilizes an ACPE-accredited (American Council of Pharmacy Educators) on-line **Pass Assured Pharmacy Technician Training Module** which prepares the student to sit for the Pharmacy Technician Certification Board’s national PTCB Exam. The topics taught are: Medical Math/Terminology, Anatomy and Physiology, Disease States, and Pharmacology. Professionalism and Customer Service, as well as Medical Ethics and Pharmacy Law. Students gain practical lab skills through training at the ISU-Meridian Health Service Center’s college facility and a state-of-the-art compounding lab. This is taught under the supervision of an ISU Pharmacy faculty member. An Externship occurs in the second semester under a preceptor pharmacist in a local pharmacy. **Students placed in an externship and/or planning to sit for the PTCB National Exam are responsible for the following:**  
**Externship Fees:**  
- Board of Pharmacy Technician-In-Training License ($35) **exact price will be set by certifying agency**  
- Fingerprinting and Background Check ($42.00) **exact price will be set by certifying agency**  
**PTCB National Exam Fee:** ($129) **exact price will be set by certifying agency**
Health Professions CNA II – CTE Center - Renaissance Campus

Course Number(s): 14051T2011
Open to: 12
Credit: 2 (one semester – 2 periods)
Prerequisite: Successful completion of Health Professions A & B and Medical Terminology. Students are required to meet the clinical regulations of the assigned clinical sites. This may include proof of immunizations, flu shot, TB test, and a criminal background check. For students who do not pass the background check, a parent meeting will be called and an alternate placement will be determined.

Transportation: Students MUST provide transportation for the clinical component of this course.

Content: This course is designed to prepare students for beginning employment as nursing assistants in long-term care facilities, hospitals, and other settings. Successful completion of the course qualifies the student to test for the National Nurse Aide Assessment Program (NNAAP) exam and to obtain the Certified Nursing Assistant (CNA) certification. (Students are responsible for the cost of this exam.) Content includes medical terminology, basic anatomy and physiology, communication, infection control, growth and development, CPR, care of the patient, and assisting as a member of the health care team. Students are required to dress appropriately. Scrubs will be provided and clean shoes are the responsibility of students. Students should be prepared to attend off-site clinical experiences and adjusted class times to meet the state required 120 hours of instruction and clinical time. This course does not meet district graduation requirements for Health.

EMT-Basic A & B – CTE Center - Renaissance Campus

Course Number(s): 14055T2011, 14055T2012
Open to: 12
Credit: 4 (full year – 2 periods)
Prerequisite: Successful completion of Medical Terminology and either Fire Services I A & B or Health Professions A & B. Please note: Fire students need to refer to the suggested course sequence chart that shows the EMT magnet options.

Transportation: Students MUST provide their own transportation when participating in off-campus activities.

Content: This course is an introduction to pre-hospital care at the basic life support level. This is the entry level for working on an ambulance. At the conclusion of this course, students will be prepared and eligible to take the National Registry Exam. This includes a comprehensive written and skills exam. Students should be prepared to participate in class lecture, discussions and hands-on skills. Physical requirements include the ability to lift, move, bend and kneel. The course covers a wide variety of traumatic injuries and medical problems that may be encountered in the pre-hospital environment. Students will receive BLS CPR at the beginning of the course. Students who OPT to participate in either EMT ride alongs and/or EMT clinical experiences will need to provide proof of immunizations and health insurance. These are optional activities.

Emergency Medical Responder (EMR) CTE Center - Renaissance Campus

Course Number(s): 14055T2010
Open to: 11, 12
Credit: 2 (1 semester – 2 periods)
Prerequisite: Successful completion of Intro to Health Professions with a 70% or above.
Content: This course is designed to introduce students to the field of Emergency Medical Services (EMS). The primary focus of the Emergency Medical Responder (EMR) is to initiate immediate lifesaving care to critical patients who access the emergency medical system. EMRs possess the basic knowledge and skills necessary to provide lifesaving interventions while awaiting additional EMS response, and to assist higher level personnel on the scene and during transport. Emergency Medical Responders perform basic interventions with minimal equipment. Students should be prepared to participate in class lecture, discussions and hands-on skills. Physical requirements include the ability to lift, move, bend and kneel. Students will be certified in BLS healthcare provider CPR during this course. (It is not required, but highly recommended that you take this course before taking EMT Basic.)
# Language Arts

## Proposed Sequence of High School Courses

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors English 9 A &amp; B</td>
<td>Honors English 10 A &amp; B</td>
<td>American Character</td>
<td>AP English 12 A &amp; B Literature &amp; Composition</td>
</tr>
<tr>
<td>*Reading A</td>
<td>*Reading A</td>
<td>Honors English 11 A &amp; B</td>
<td>Intro to College Lit A &amp; B</td>
</tr>
<tr>
<td>*Reading B</td>
<td>*Reading B</td>
<td>AP English 11 A &amp; B Language &amp; Composition</td>
<td>*Language Arts Lab A</td>
</tr>
<tr>
<td>Myth and Legend (elective)</td>
<td>*Language Arts Lab A</td>
<td>*Language Arts Lab B</td>
<td>*Language Arts Lab B</td>
</tr>
<tr>
<td>American Film Research (elective)</td>
<td>Creative Writing I (elective)</td>
<td>Creative Writing I (elective)</td>
<td>Creative Writing I (elective)</td>
</tr>
<tr>
<td>Shakespeare (elective)</td>
<td>Advanced Creative Writing (elective)</td>
<td>Advanced Creative Writing (elective)</td>
<td>Advanced Creative Writing (elective)</td>
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<tr>
<td></td>
<td>Myth and Legend (elective)</td>
<td>Myth and Legend (elective)</td>
<td>Myth and Legend (elective)</td>
</tr>
<tr>
<td></td>
<td>Reader’s Choice (elective)</td>
<td>Creative Writing I (elective)</td>
<td>American Film Research (elective)</td>
</tr>
<tr>
<td></td>
<td>American Film Research (elective)</td>
<td>Advanced Creative Writing (elective)</td>
<td>The Literature of Film (elective)</td>
</tr>
<tr>
<td></td>
<td>Shakespeare (elective)</td>
<td>Myth and Legend (elective)</td>
<td>Short Film &amp; Documentary Production A &amp; B (elective)</td>
</tr>
<tr>
<td></td>
<td>Writing about Writing (elective)</td>
<td>American Film Research (elective)</td>
<td>Shakespeare (elective)</td>
</tr>
<tr>
<td></td>
<td>Writing Center Tutor (elective)</td>
<td>The Literature of Film (elective)</td>
<td>Writing about Writing (elective)</td>
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<td></td>
<td>Writing Center Tutor (elective)</td>
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</tr>
</tbody>
</table>

*Note: Not all courses may be available at all schools*

**Intervention Classes:**

*Reading – Required elective semester class for 9th, 10th, and 11th graders whose reading skills are below grade level as determined by universal screeners.

*Language Arts Lab – Required elective semester class for 11th and 12th graders whose reading and/or writing skills are below grade level as determined by universal screeners. Tenth graders at risk of not attaining the required reading and/or language usage proficiency levels may also be enrolled.*
**Language Arts**

**English 9 A & B**
Course Number(s): 01001G1011, 01001G1012
Open to: 9
Credit: 2
Prerequisite: None
Content: This course integrates the skills and concepts identified for 9th grade based on the Idaho Core Standards. Students will focus on college and career readiness by integrating reading, writing, speaking and listening skills based around narrative, informational, argumentative, and research-based texts. *This is an approved NCAA course.*

**Honors English 9 A & B**
Course Number(s): 01001H1011, 01001H1012
Open to: 9
Credit: 2
Prerequisite: Signed Rigor Commitment Form
Content: This course meets the needs of high-achieving students performing considerably beyond grade level in English. Although the units of study share the same conceptual focus as English 9 A & B, the course challenges the student’s ability to reason, synthesize, research, speak and write. In addition, students engage in advanced technical reading, writing as analysis and as assessment, and presentation of research. Successful honors students tend to have Reading MAP scores in the advanced range, attend class regularly, consistently meet deadlines, and have a willingness to work outside of class. *This is an approved NCAA course.*

**English 10 A & B**
Course Number(s): 01002G1011, 01002G1012
Open to: 10
Credit: 2
Prerequisite: None
Content: This course integrates the skills and concepts identified for 10th grade based on the Idaho Core Standards. Students will focus on college and career readiness by integrating reading, writing, speaking and listening skills based around narrative, informational, argumentative, and research-based texts. *This is an approved NCAA course.*

**Honors English 10 A & B**
Course Number(s): 01002H1011, 01002H1012
Open to: 10
Credit: 2
Prerequisite: Signed Rigor Commitment Form
Content: This course meets the needs of high-achieving students performing considerably beyond grade level in English. Although the units of study share the same conceptual focus as English 10 A & B, the course challenges the student’s ability to reason, synthesize, research, speak and write. In addition, students engage in advanced technical reading, writing as analysis and as assessment, and presentation of research. Successful honors students tend to have Reading MAP scores in the advanced range, attend class regularly, consistently meet deadlines, and have a willingness to work outside of class. *This is an approved NCAA course.*

**English 11 A & B**
Course Number(s): 01003G1011, 01003G1012
Open to: 11
Credit: 2
Prerequisite: None
Content: This course integrates the skills and concepts identified for 11th grade based on the Idaho Core Standards. Students will focus on college and career readiness by integrating reading, writing, speaking and listening skills based around narrative, informational, argumentative, and research-based texts. *This is an approved NCAA course.*
AP English 11 A & B - Advanced Placement Language and Composition
Course Number(s): 01005E1011, 01005E1012
Open to: Open Enrollment
Credits: 2
Prerequisite: 
Content: 
Signed Rigor Commitment Form
This course prepares students for the Advanced Placement Language Composition Test by creating highly skilled student writers and readers who are keenly aware of the implications and interactions of a text, subtext, literary theory, and rhetorical and literary conventions. These students can express insight of these subjects in honed, crystalline prose. (Successful AP students tend to have PSAT or SAT scores at or above the 75th percentile, attend class regularly, consistently meet deadlines, and have a willingness to work outside of class.) This course is graded on a 5-point scale. This is an approved NCAA course.

Introduction to College Composition A & B
Course Number(s): 01004H1011, 01004H1012
Open to: 11
Credit(s): 2
Prerequisite: 
Content: 
Signed Rigor Commitment Form, successful completion of English 9 & 10, age 16, or meet university requirements for students under age 16
This course focuses on developing students as reflective writers for success in the wide range of writing experiences that students will experience at the university level. Students will engage in the writing process, writing regularly, receiving feedback on their writing and giving feedback to others. Academic writing conventions (including using the library, integrating sources, and using a citation system) will be introduced. Students will engage with informational, narrative and argumentative texts as writing models. Extensive reading and writing are required, and the credit-granting university student honesty and plagiarism policies apply. Students must earn a “C” to earn college credit. This course uses the credit granting university’s curriculum supplemented by the district’s English curriculum. This is an approved NCAA course.

English 12: Senior English A & B
Course Number(s): 01004G1021, 01004G1022
Open to: 12
Credit: 2
Prerequisite: None
Content: 
This course integrates the skills and concepts identified for 12th grade based on the Idaho Core Standards. Students will focus on college and career readiness by integrating reading, writing, speaking and listening skills based around narrative, informational, argumentative, and research-based texts. This is an approved NCAA course.

AP English 12 A & B - Advanced Placement Literature and Composition
Course Number(s): 01006E1011, 01006E1012
Open to: 12
Credit: 2
Prerequisite: 
Content: 
Signed Rigor Commitment Form
This course prepares students to take the Advanced Placement English Literature and Composition Exam. Students read college level material, learn to analyze texts, and build expository essay skills. Students analyze reader and meaning, genre and context, text and subtext, text and criticism, and also use the major theories of literary criticism in analytical writing. (Successful AP students tend to have PSAT or SAT scores at or above the 75th percentile, attend class regularly, consistently meet deadlines, and have a willingness to work outside of class.) This course is graded on a 5-point scale. This is an approved NCAA course.
**Introduction to College Literature A & B**

Course Number(s): 01052H1011, 01052H1012  
Open to: 12  
Credit: 2  
Prerequisite: **Signed Rigor Commitment Form**, successful completion of English 9, English 10, English 11 or equivalent courses  
Content: Introduction to the critical reading of various literary genres, with attention to the interpretation and evaluation of representative texts. Extensive reading, writing and participation in class discussion are required. The syllabus is approved by the credit-granting university, and that university's student honesty and plagiarism policies apply. Students must earn a "C" to earn college credit. Students must complete the district's senior project requirement. Typically, the university curriculum is one semester long; the second semester curriculum will be addressed by the District's English 12B curriculum. *This is an approved NCAA course.*

**Language Arts Lab A & B**

Course Number(s): 01009B1011, 01009B1021  
Open to: 10, 11, 12  
Credit: 1 or 2 electives *(This course may be repeated.)*  
Prerequisite: None  
Content: This is a required intervention course for 11th and 12th grade students whose reading and/or writing skills are below grade level as determined by the MAP and/or other universal screeners or for 10th graders who are at risk of not attaining those proficiency levels. Students may also be recommended for placement in Language Arts Lab by the school's RTI team based on student need. Students will acquire the skills necessary to meet reading and language usage proficiency targets required to receive a diploma in Idaho. It is to be taken concurrently with required English courses. *Grades will be A, B, C or F. Students must earn a minimum of 70% on coursework to pass the course. This course does not meet district graduation requirements for English.*

**Creative Writing**

Course Number(s): 01104G1011  
Open to: 10, 11, 12  
Credit: 1 elective  
Prerequisite: None  
Content: This course is for advanced students of writing who want to experiment with style while developing and improving their own technique. The course emphasizes development of individual voice and style as well as form and technique. Poetry, fiction, short stories, and personal and expository essays will be emphasized. *This course does not meet district graduation requirements for English. This is an approved NCAA course.*

**Advanced Creative Writing**

Course Number(s): 01104G1021  
Open to: 10, 11, 12  
Credit: 1 elective *(This course may be repeated.)*  
Prerequisite: Creative Writing  
Content: This course is for advanced students of creative writing and emphasizes development of voice, style, form, and technique. The course focuses on poetry, fiction, short stories, personal and expository essays. Students will oversee the publication of school literary/artwork magazine. *This course does not meet district graduation requirements for English. This is an approved NCAA course.*

**Myth & Legend**

Course Number(s): 01061G1011  
Open to: 9, 10, 11, 12  
Credit: 1 elective  
Prerequisite: None  
Content: Cultures blend and the past illuminates the present through this course that examines folk talks, fairy tales, myths, and legends from around the world. Students will improve reading and writing skills as they become familiar with the stories that have defined cultures and explained natural phenomena. *This course does not meet district graduation requirements for English. This is an approved NCAA course.*
**Shakespeare**

Course Number(s): 01056G1010  
Open to: 9, 10, 11, 12  
Credit: 1 elective  
Prerequisite: None  
Content: In this course, students will gain a fresh perspective on the work of Shakespeare. Through extensive text analysis, they will explore what those plays have to say to a modern audience. Students will also learn the art and process of performing Shakespeare’s work for an audience, thereby directly experience the magic and timelessness of the Bard’s words and characters. **This course does not meet district graduation requirements for English. This is an approved NCAA course.**

**American Film Research**

Course Number(s): 01999G1011  
Open to: 9, 10, 11, 12  
Credit: 1 elective  
Prerequisite: None  
Content: This course will study the invention and technological advancements in the American Film industry. Students will develop critical viewing skills as they evaluate techniques used to create visual images. Award winning film segments will be used as examples. **This course does not meet district graduation requirements for English.**
The state requires students take 6 credits (3 years) of math and 2 credits must be in the senior year (unless they have already passed AP Calculus). We recommend 4 years.

Seniors will have some choices for their final year of math. However, not all schools offer all of the options.

*Second entry point for honors track: Strong performance in Math 8.

Note: Not all courses may be available at all schools
Mathematics

**HS Math I A & B**
Course Number(s): 02061G1031, 02061G1032
Open to: 9
Credit: 2
Prerequisite: Math 8
Content: The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. This course uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. A graphing calculator is highly recommended. This is an approved NCAA course.

**Honors HS Math I A & B**
Course Number(s): 02061H1031, 02061H1032
Open to: 9
Credit: 2
Prerequisite: Math 8, Instructor Recommendation, and Signed Rigor Commitment Form.
Content: This is a highly accelerated high school math sequence for mathematics. It includes all of the Plus Standards and will prepare students for Calculus in their senior year. It is only suitable for very talented, self-motivated students who enjoy mathematics. A signed rigor contract is required. A graphing calculator is highly recommended. This is an approved NCAA course.

**HS Math IAA & AB and BA & BB (Remedial)**
Course Number(s): 02061B1031, 02061B1032
Open to: 9 (by placement only – this is not an open enrollment class)
Credit: 1 Math & 1 Elective
Prerequisite: Math 8
Content: This is a double blocked class - The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. This course uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. A graphing calculator is recommended. This is an approved NCAA course.

**HS Math II A & B**
Course Number(s): 02061G1041, 02061G1042
Open to: 10
Credit: 2
Prerequisite: Successful completion of HS Math I
Content: This course focuses on the formalization of quadratics and the application of mathematical and algebraic concepts to describe and solve geometric situations. A graphing calculator is recommended. This is an approved NCAA course.
**HS Math II AA & AB and BA & BB (Remedial)**
Course Number(s): 02061B1041, 02061B1042, 02061B1043, 02061B1044
Open to: 10 (by placement only – this is not an open enrollment class)
Credit: 2 Math and 2 Electives
Prerequisite: Successful completion of HS Math I A & B
Content: This course focuses on the formalization of quadratics and the application of mathematical and algebraic concepts to describe and solve geometric situations. A graphing calculator is recommended. **This is an approved NCAA course.**

**Honors HS Math II A & B**
Course Number(s): 02061H1041, 02061H1042
Open to: 9, 10
Credit: 2
Prerequisite: Successful completion of Honors HS Math I A & B and Signed Rigor Commitment Form
Content: This course focuses on the formalization of quadratics and the application of mathematical and algebraic concepts to describe and solve geometric situations. This course includes the “plus” (Pre-calculus) standards. A graphing calculator is recommended. **This is an approved NCAA course.**

**HS Math III A & B**
Course Number(s): 02061G1051, 02061G1052
Open to: 11, 12
Credit: 2
Prerequisite: HS Math II A & B
Content: This course formalizes the use of trigonometric, polynomial and logarithmic functions, geometric modeling and inferential statistics. A graphing calculator is recommended. **This is an approved NCAA course.**

**Honors HS Math III A & B**
Course Number(s): 02061H1051, 02061H1052
Open to: 10, 11
Credit: 2
Prerequisite: Honors HS Math II A & B and Signed Rigor Commitment Form
Content: This course formalizes the use of trigonometric, polynomial and logarithmic functions, geometric modeling and inferential statistics. This course includes the "Plus Standards" (Pre-Calculus) and will prepare students for AP Calculus. A graphing calculator is recommended. **This is an approved NCAA course.**

**College Math in Modern Society A & B**
Course Number(s): 02061G1061, 02061G1062
Open to: 11, 12
Credit: 2
Prerequisite: HS Math II A & B
Content: This course is a college level survey of the applications of mathematics to real-world problems. Topics consist of problem solving strategies, set and number theory, solving and graphing algebraic equations, geometry, probability (including combinations, permutations and the probability of compound events), graph theory, and personal finance. This course can be offered for concurrent credit.

**Intermediate Algebra A & B**
Course Number(s): 02056G1031, 02056G1032
Open to: 11 (by placement only - This is not an open enrollment class)
Credit: 2
Prerequisite: Non-proficient on ISAT
Content: This is a course specifically designed to focus on improving the skill set of students that struggled in HS Math II and on the ISAT. It targets the deficiencies in contextual problem solving as well as the more difficult concepts of functions, irrational numbers, quadratics, and trigonometry. This same skill set is tested on the SAT and so this course will also better prepare students for the math portion of that exam.
Math Modeling A & B
Course Number(s): 02201G1021, 02201G1022
Open to: 11, 12
Credit: 2
Prerequisite: HS Math II A & B
Content: This course emphasizes making mathematics applicable to real-life situations and scenarios. Topics such as direct and inverse variation, data analysis, matrices, and functions will be addressed in practical settings and help give meaning to these abstract topics. This course is designed for students who want additional practice and understanding of Algebra I and Geometry topics and an introduction to Algebra II topics. A graphing calculator is recommended. Only Math Modeling B is an approved NCAA course.

Calculus A & B
Course Number(s): 02110G1021, 02110G1022
Open to: 11, 12
Credit: 2
Prerequisite: Pre-Calculus A & B or HS Math III A & B
Content: An intensive review of pre-calculus and a beginning calculus course covering differentiation, applications of the derivative, integration, techniques of integration, and logarithmic functions. This class follows HS Math III A & B in the math course sequence. A graphing calculator is recommended. This is an approved NCAA course.

Pre-Calculus A & B
Course Number(s): 02110G1011, 02110G1012
Open to: 11, 12
Credit: 2
Prerequisite: Successful completion of HS Math III A & B
Content: This course emphasizes the background theory a student must know to be successful in many calculus courses. Students will continue their study of functions, trigonometry, systems of equations, matrices, sequences, analytic geometry, and limits. A graphing calculator is recommended. This is an approved NCAA course.

Statistics A & B
Course Number(s): 02203H1011, 02203H1012
Open to: 11, 12
Credit: 2
Prerequisite: Successful completion of HS Math III A & B, Signed Rigor Commitment Form
Content: This is a full year introductory, non-calculus based course in statistics. It is equivalent to a typical introductory college course. Students are exposed to four conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. This is an approved NCAA course.

AP Statistics A & B – Advanced Placement
Course Number(s): 02203E1011, 02203E1012
Open to: 11, 12
Credit: 2
Prerequisite: Successful completion of HS Math III A & B and Signed Rigor Commitment Form
Content: This is a full year introductory, non-calculus based course in statistics. It is equivalent to a typical introductory college course. Students are exposed to four conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. All students will be eligible to take the AP Statistics exam in May. A graphing calculator is recommended. This course is graded on a 5-point scale. This is an approved NCAA course.

Seminar - Advanced Calculus A & B
Course Number(s): 02124E1021, 02124E1022
Open to: 11, 12
Credit: 1 to 2 Electives
Prerequisite: Concurrent enrollment in AP Calculus AB A & B or Calculus II A & B and previous math teacher recommendation, Signed Rigor Commitment Form
Content: This course is taken concurrently with AP Calculus or Calculus II A & B to assist the student in acquiring the necessary skills to pass the AP exam and/or meet the requirements for concurrent credit. A graphing calculator is recommended. This course is graded as pass/fail.
**AP Calculus AB A & B — Advanced Placement**

Course Number(s): 02124E1011, 02124E1012  
Open to: 11, 12  
Credit: 2  
Prerequisite: Successful completion of Honors HS Math III A & B and Signed Rigor Commitment Form  
Content: This course includes a study of limits, techniques of differentiation and integration, functions, slope fields, solution curves, local linearity and extrema, curve generated area and volume, as well as applications to engineering and business. All students will be eligible to take the AP Calculus AB exam in May. A graphing calculator is recommended. **This course is graded on a 5-point scale. This is an approved NCAA course.**

**Calculus II A & B**

Course Number(s): 02125E1011, 02125E1012  
Open to: 12  
Credit: 2  
Prerequisite: Successful completion of AP Calculus AB A & B, Signed Rigor Commitment Form  
Content: This course continues the study of Calculus by the following topics: parametric functions, polar and vector functions, improper integrals, logistic differential equations, as well as geometric, harmonic, converging, diverging, and the Taylor-Maclaurin series. Taking this course may require students to travel to another high school. All students will be eligible to take the AP Calculus BC exam in May. A graphing calculator is recommended. **This course is graded on a 5-point scale. This is an approved NCAA course.**
**Miscellaneous Elective Courses**

**Freshman Cornerstone**
- Course Number(s): 22003G1011, 22003G1012
- Open to: 9
- Credit: 1
- Prerequisite: None
- Content: This course will acclimate ninth graders to high school by developing skills and behaviors essential to a successful high school experience. Some aspects of the class will include organization, study skills, and time management. The course content and activities will help students choose appropriate courses of study in their sophomore year.

**Academic Support**
- Course Number(s): 22054G1030
- Open to: 9-12
- Credit: 1 *(This course may be repeated.)*
- Prerequisite: Counselor/Admin Placement
- Content: This course is designed to support students whose 504 accommodation plan indicates a need for academic intervention or who have been identified by a school’s RTI team. This course is part of a Level 2 intervention. The students will be provided the time, space, and teacher guidance to complete coursework, quizzes, tests and projects. Students will learn organization, time management, and monitor their academic progress.

**Career & College Readiness**
- Course Number(s): 22106G1020
- Open to: 11, 12
- Credit: 1
- Prerequisite: None
- Content: This course is designed to prepare students for career, college, or other post-secondary education. Topics covered will be ACT and SAT preparation, higher education application process, scholarship search, personal portfolio development, college study skills and expectations, college essay writing skills to include APA format and research techniques and methods.

**Assistant Student Tech**
- Course Number(s): 88500G1060
- Open to: 10, 11, 12
- Credit: 1 *(This course may be repeated)*
- Prerequisite: Application, instructor interview, and instructor’s signature required on registration form. GPA of at least 2.0
- Content: The goal of the Assistant Student Tech position(s) is to provide the opportunity to obtain and apply knowledge in a professional and organized setting through active participation with technical support for the staff and students in the building. Students taking this course will gain valuable work experience while continuously learning and growing around current technology. *This course is graded as pass/fail.*

**Office Assistant Counseling Assistant**
- Course Number(s): 88500G1031 (Office) 88500G1011 (Counseling)
- Open to: 11, 12
- Credit: 1 *(This course may be repeated.)*
- Prerequisite: Counselor and Administrator Approval
- Content: Assistants work in the front office or the counseling office of the school. They will develop interpersonal and customer service skills while working with the public, school staff, and students. Additionally, they can expect to develop/enhance their telephone etiquette, filing, alphabetizing, and the importance of maintaining confidentiality. Assistants must conduct themselves in a professional manner in this real work environment. Assistants will also be required to make deliveries to classrooms and offices. *This course is graded as pass/fail.*
**Library Assistant**  
Course Number(s): 88500G1021  
Open to: 11, 12  
Credit: 1 *(This course may be repeated.)*  
Prerequisite: Librarian and Administrator Approval  
Content:  
Library assistants are a functioning team member in the school library. They may check library materials in and out, shelve items from the collection, and assist librarian in processing and repairing library materials. They will develop interpersonal and customer service skills while working with the public, staff, and students and will learn the importance of maintaining confidentiality. They may be required to make deliveries to classrooms. *This course is graded as pass/fail.*

**Teacher Assistant**  
Course Number(s): 88500G1051  
Open to: 11, 12  
Credit: 1 *(This course may be repeated.)*  
Prerequisite: Teacher and Administrator Approval  
Content:  
Teacher assistants provide support to their assigned teacher. They can expect to use computer and software skills to develop lessons and presentations as outlined by their supervising teacher. They often assist in the set-up of labs and activities, assist students in the class as needed, and develop/maintain classroom displays. Teaching assistants develop the ability to work well with peers. Teaching Assistants will not be allowed to enter grades or take attendance. Teaching Assistants may be invited to work in a local elementary school tutoring elementary students. In this situation students must be able to provide their own transportation. *This course is graded as pass/fail.*

**Peer Assistant**  
Course Number(s): 88500G1041  
Open to: 9, 10, 11, 12  
Credit: 1 *(This course may be repeated.)*  
Prerequisite: Teacher and Administrator Approval  
Content:  
Peer Assistants work in small groups and in one-on-one settings with students in the Resource, Extended Resource and/or ELL classroom. *This course is graded as pass/fail.*

**Academic Mentor Assistant**  
Course Number(s): 22054G1010  
Open to: 11, 12  
Credit: 1 *(This course may be repeated.)*  
Prerequisite: 3.0 or higher GPA with Instructor/Counselor Approval  
Content:  
This program is not a teacher assistant course. This course provides high school students with an opportunity to interact with secondary students and work directly with a secondary classroom teacher. In this capacity, the student will be able to observe students in classroom situations, work one-on-one with students from diverse populations, assist with both small and large groups of students, and observe and demonstrate professional practices. A portfolio is a final requirement as this course will be graded.

**Student Leadership A & B**  
Course Number(s): 22101G1011, 22101G1012  
Open to: 9, 10, 11, 12  
Credit: 1 *(This course may be repeated.)*  
Prerequisite: Membership in Student Council  
Content:  
This is a leadership seminar that will give elected Student Council members time for learning leadership skills, planning, organizing, advertising, and improving Student Council activities. Class time will be equally divided between work/planning, organizing, advertising, and improving Student Council activities and instruction in leadership skills.

The following courses can be found in the *Communications Section:*  
- Newspaper Courses  
- Yearbook Courses  
- Photography Courses
**Music**

**A Cappella Choir A & B**
- Course Number(s): 05111G1041, 05111G1042
- Open to: 10, 11, 12 (exceptional 9th graders at director’s discretion)
- Credit: 2 *(This course may be repeated.)*
- Prerequisite: By audition only
- Content: A select mixed, advanced performance-based course, with an emphasis on high quality choral music, as well as advanced concepts in singing, music literature, history, theory, music appreciation, and vocal presentation. Both sacred and secular music is studied. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

**Concert Choir A & B**
- Course Number(s): 05111G1011, 05111G1012
- Open to: 9, 10, 11, 12
- Credit: 2 *(This course may be repeated.)*
- Prerequisite: None
- Content: A non-auditioned performance-based course, either mixed or non-mixed, open to any student with a desire to sing. This course focuses on vocal skill building concepts, including beginning concepts in singing, music literature, history, theory, music appreciation and vocal presentation. Students perform a variety of styles of music including pop, sacred, secular, and spirituals. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

**Jazz Choir A & B**
- Course Number(s): 05112E1011, 05112E1012
- Open to: 10, 11, 12 (exceptional 9th graders at director’s discretion)
- Credit: 2 *(This course may be repeated.)*
- Prerequisite: By audition only (Concurrent enrollment in a “concert” performance group is also required.)
- Content: A select, advanced performance-based course, either mixed or non-mixed, with an emphasis on vocal jazz and popular/contemporary music, as well as advanced concepts of singing, vocal improvisation, jazz appreciation and history, jazz theory, and vocal presentation. In addition, the ensemble may perform small-ensemble classical music (sacred or secular). Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

**Men’s Concert Choir A & B**
- Course Number(s): 05111G1031, 05111G1032
- Open to: 9, 10, 11, 12
- Credit: 2 *(This course may be repeated.)*
- Prerequisite: None
- Content: A non-auditioned performance-based course, open to any male-voiced students with a desire to sing. This course focuses on vocal skill building concepts, including beginning concepts in singing, music literature, history, theory, music appreciation, and vocal presentation. Students perform a variety of styles of music including pop, sacred, secular, and spirituals. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

**Treble Choir A & B**
- Course Number(s): 05111G1021, 05111G1022
- Open to: 10, 11, 12 (exceptional 9th graders at director’s discretion)
- Credit: 2 *(This course may be repeated.)*
- Prerequisite: By audition only
- Content: A select treble-voiced advanced performance-based course with an emphasis on a wide variety of choral styles and genres, as well as advanced concepts in singing, music literature, history, theory, music appreciation, and vocal presentation. Students perform a variety of styles of music including pop, sacred, secular, and spirituals. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.
**Varsity Jazz Band A & B**

Course Number(s): 05102E1011, 05102E1012  
Open to: 10, 11, 12  
Credit: 2 (This course may be repeated.)  
Prerequisite: By audition and consent of instructor only  
Content: The varsity jazz band is an auditioned group of musicians who study, rehearse, and perform contemporary and traditional jazz music. Due to the nature of the course, an advanced level of musicianship and responsibility is required. Concurrent enrollment in a “concert” performance group also is required.

**Concert Band A & B**

Course Number(s): 05103G1011, 05103G1012  
Open to: 9, 10, 11, 12  
Credit: 2 (This course may be repeated.)  
Prerequisite: Successful completion of 8th Grade Band  
Content: This class broadens the student’s technical and musical skills as instrumentalists. Focusing on literature of moderate difficulty, students will develop their abilities to join the advanced high school classes including the Symphonic and Jazz Bands. Students perform a variety of styles of music including pop, sacred, secular, and spirituals. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

**Marching Band/Symphonic Band A & B**

Course Number(s): 05102G1011, 05102G1012  
Open to: 9, 10, 11, 12  
Credit: 2 (This course may be repeated.)  
Prerequisite: Concert Band A & B or placement at the director’s discretion  
Content: Symphonic Band/Marching Band is a full year course designed to be the cornerstone of the complete band program and the culmination of wind and percussion instrumental education. The Marching Band meets in the fall and usually lasts through the first nine weeks where the transition is made into Symphonic Band for the remainder of the year. Students participating in Marching Band must be in Symphonic Band at their home school. Both segments of the program focus on advanced musicianship skills, discipline, and teamwork. Students perform a variety of styles of music including pop, sacred, secular, and spirituals. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

**Orchestra I A & B**

Course Number(s): 05105G1011, 05105G1012  
Open to: 9, 10, 11, 12  
Credit: 2 (This course may be repeated.)  
Prerequisite: Previous String Instruction and/or instructor approval.  
Content: Students will study and perform quality literature suited to ability level. Students will learn concepts of orchestra technique and elements of music such as music theory and history while continuing to develop individual skill on their instrument. Students perform a variety of styles of music including pop, sacred, secular, and spirituals. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

**Orchestra II A & B**

Course Number(s): 05105G1021, 05105G1022  
Open to: 9, 10, 11, 12  
Credit: 2 (This course may be repeated.)  
Prerequisite: Audition and/or instructor approval.  
Content: This class is open to students in 11th and 12th grade, and exceptional 9th and 10th graders. It does require an audition and/or instructor approval. Auditions are held each spring for the following school year. Students will study and perform more advanced literature of past and present. Students will continue to learn about music theory and history while participating in after school concerts and festivals throughout the year. Students perform a variety of styles of music including pop, sacred, secular, and spirituals.
**Beginning Guitar**
Course Number(s): 05109G1011
Open to: 9, 10, 11, 12
Credit: 1 *(This course may be repeated.)*
Prerequisite: None
Content: This course will be limited to beginning students only. Students will learn the skills necessary to play the instrument, including the reading of notes and musical notation. During the course, a variety of musical styles will be dealt with, including blues, rock, jazz, country, etc.

**Percussion Ensemble**
Course Number(s): 05107G1011
Open to: 9, 10, 11, 12 *(9 by audition only)*
Credit: 1 *(This course may be repeated.)*
Prerequisite: One year band experience, or director approval
Content: Students will study a comprehensive percussion curriculum, including technique and repertoire, in the areas of concert percussion, marching percussion, drum set, and world percussion. This course is intended for all percussionists in the band program. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

**Musical Theatre A & B**
Course Number(s): 05055G1041, 05055G1042
Open to: 10, 11, 12
Credit: 2 *(This course may be repeated.)*
Prerequisite: Selection by audition and concurrently enrolled in any of the following classes: Choir, Band, Orchestra, or Drama.
Content: This course is a performance class for musical theater productions which may have secular or sacred themes. As part of that process, students will receive training in proper vocal projection, diction, characterization, communication, stage direction and movement, and non-verbal communication skills. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.
**Performing Arts (Theater)**

### Acting I A & B
- **Course Number(s):** 05055G1011, 05055G1012
- **Open to:** 9, 10, 11, 12
- **Credit:** 2
- **Prerequisite:** None
- **Content:** This course develops acting skills and techniques. These include pantomime, improvisation, characterization, memorization, skits, and scenes. Students learn to develop voice skills, create a character, evaluate a play, and perform in scenes. The history of the theater, etiquette, dialects, memorization, and introduction to vocational possibilities are also included. A one-act play will be performed. Plays and/or scenes may include sacred or secular themes. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

### Acting II A & B
- **Course Number(s):** 05055G1031, 05055G1032
- **Open to:** 10, 11, 12
- **Credit:** 2
- **Prerequisite:** Selection by audition and/or successful completion of Acting I
- **Content:** This class may involve a major production, which is designed, produced and performed by the students for the community. Plays and/or scenes may include sacred or secular themes. Students also study components of theater history and culture, criticism, and examine a variety of theater careers. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

### Advanced Acting A & B
- **Course Number(s):** 05055G1021, 05055G1022
- **Open to:** 10, 11, 12
- **Credit:** 1 to 2 (This course may be repeated.)
- **Prerequisite:** Selection by audition and/or successful completion of Acting II B
- **Content:** This course is a continuation of basic acting techniques and terminology stressing performance and the possibility of original works. Advanced Acting includes improvisation, characterization, memorization techniques and scenes. Plays and/or scenes may include sacred or secular themes. Students continue to develop projection, inflection, articulation, blocking, business and character believability.

### Musical Theatre A & B
- **Course Number(s):** 05055G1041, 05055G1042
- **Open to:** 10, 11, 12
- **Credit:** 2 (This course may be repeated.)
- **Prerequisite:** Selection by audition and concurrently enrolled in any of the following classes: Choir, Band, Orchestra, or Drama.
- **Content:** This course is a performance class for musical theater productions which may have secular or sacred themes. As part of that process, students will receive training in proper vocal projection, diction, characterization, communication, stage direction and movement, and non-verbal communication skills. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

### Stagecraft A & B
- **Course Number(s):** 05056G1011, 05056G1012
- **Open to:** 9, 10, 11, 12
- **Credit:** 1
- **Prerequisite:** None
- **Content:** This theater class teaches and develops technical skills focusing on behind the scenes design elements in costumes, lighting, properties, make-up and sound. Students will identify the roles and responsibilities of producer, stage manager, and publicist. It is not an acting class. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.
Advanced Stagecraft A & B
Course Number(s): 05056G1021, 05056G1022
Open to: 10, 11, 12
Credit: 1 to 2 *(This course may be repeated.)*
Prerequisite: Successful completion of Stagecraft A and B and/or instructor approval.
Content: Students will be required to complete a technical practicum where they apply their learning of technical theater for a public performance. Students will apply components of theater criticism and history/culture, as they relate to the technical aspects of a stage production. This course is recommended for students pursuing a career in technical theater. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.
**Physical Education**

**Cardio Fitness A & B**
Course Number(s): 08005G1010, 08005G1011, 08005G1012
Open to: 9, 10, 11, 12
Credit: 1 to 2 (This course may be repeated.)
Prerequisite: None
Content: Cardio Fitness is a class designed to improve overall cardiovascular endurance, strength, flexibility and weight control. This class is suitable for any student, athlete or non-athlete. Students will demonstrate an understanding of cardiovascular fitness while participating in a variety of activities. Activities include, but are not limited to: endurance and speed training, spinning, aerobics, yoga, pilates, etc. Students will participate each day and will need to wear attire that will allow them to safely and appropriately participate in physical activity while following dress code guidelines. Clothing such as shorts, T-shirts, sweats, and athletic-style footwear allows students to participate to the fullest and safest extent possible.

**Introduction to Fitness A & B**
Course Number(s): 08009G1010, 08009G1011, 08009G1012
Open to: 9, 10, 11, 12
Credit: 1 to 2 (This course may be repeated.)
Prerequisite: None
Content: Students will be introduced to and instructed in a wide variety of skills, concepts, and activities that will significantly enhance their appreciation, knowledge and physical fitness levels. Introduction to fitness will specifically focus on teaching students the proper fundamentals and techniques necessary for core strength, stability improvement, speed and agility. A rigorous and intense multi-fitness approach will be utilized to enhance student achievement. This is a non-recreational course which demands a high work ethic. Students will participate each day and will need to wear attire that will allow them to safely and appropriately participate in physical activity while following dress code guidelines. Clothing such as shorts, T-shirts, sweats, and athletic-style footwear allows students to participate to the fullest and safest extent possible.

**Advanced Fitness A & B**
Course Number(s): 08009G1020, 08009G1021, 08009G1022
Open to: 10, 11, 12
Credit: 1 to 2 (This course may be repeated.)
Prerequisite: Successful completion of Introduction to Fitness with 80% or higher
Content: Advanced Fitness will specifically focus on intensifying the proper fundamentals and techniques necessary for overall strength, core strength, stability improvement, speed and agility. A rigorous and intense multi-fitness approach will be utilized to enhance student achievement. This is a non-recreational course which is designed for the high performing student and demands a strong work ethic. Students will participate each day and will need to wear attire that will allow them to safely and appropriately participate in physical activity while following dress code guidelines. Clothing such as shorts, T-shirts, sweats, and athletic-style footwear allows students to participate to the fullest and safest extent possible.
**Pre-Engineering Magnet**

**Introduction to Engineering Design A & B**
- **Course Number(s):** 21006T1011, 21006T1012
- **Open to:** 9, 10
- **Credit:** 2 (full year-1 period)
- **Prerequisite:** None
- **Content:** In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

**Principles of Engineering A & B**
- **Course Number(s):** 21004T1011, 21004T1012
- **Open to:** 10, 11
- **Credit:** 2 (full year-1 period)
- **Prerequisite:** Successful completion of Introduction to Engineering Design and concurrent enrollment in HS Math II A & B or above.
- **Content:** This survey course of engineering exposes students to some of the major concepts they will encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges such as a solar/hydrogen hybrid car, a bridge truss, and a projectile motion device. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.

**Computer Integrated Manufacturing – CTE Center - Renaissance Campus**
- **Course Number(s):** 21010T2021
- **Open to:** 11, 12
- **Credit:** 2 (semester-2 periods)
- **Prerequisite:** Successful completion Principles of Engineering A & B. Students must be concurrently enrolled in HS Math II or above. Digital Electronics is highly recommended.
- **Content:** The major focus of this course is to answer questions such as: How are things made? What processes go into creating products? How do assembly lines work? How has automation changed the face of manufacturing? As students find the answers to these questions, they learn about the history of manufacturing, a sampling of manufacturing processes, robotics and automation. The course is built around several key concepts: computer modeling, Computer Numeric Control (CNC) equipment, Computer Aided Manufacturing (CAM) software, robotics and flexible manufacturing systems.

**Digital Electronics – CTE Center – Renaissance Campus**
- **Course Number(s):** 21008T2012
- **Open to:** 11, 12
- **Credit:** 2 (semester-2 periods)
- **Prerequisite:** Successful completion of Principles of Engineering A & B. Students must be concurrently enrolled in HS Math II or above. Computer Integrated Manufacturing is highly recommended.
- **Content:** This course is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logical design, programmable logic teamwork, communication methods, engineering standards and technical documentation.
Civil Engineering & Architecture A & B – CTE Center - Renaissance Campus
Course Number(s): 21012T2011, 21012T2012
Open to: 11, 12
Credit: 4 (full year-2 periods)
Prerequisite: Successful completion of Principles of Engineering A & B.
Content: The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

Aerospace Engineering – CTE Center - Renaissance Campus
Course Number(s): 21015T2011
Open to: 12
Credit: 2 (1st semester-2 periods)
Prerequisite: Successful completion of Digital Electronics A & B and/or Computer Integrated Manufacturing A & B, or Civil Engineering & Architecture A & B.
Content: The major focus of this course is to expose students to the world of aeronautics and aerospace engineering and related areas of study. Lessons and projects engage students in engineering design problems related to evolution of flight, physics of flight, flight simulation, propulsion, rocketry, space travel, aerospace structures and materials, flight and space physiology, remote sensing and robotics. In addition, students use 3D design software to help design solutions to proposed problems. Students design intelligent vehicles to learn about documenting their project, solving problems and communicating their solutions to their peers and members of the professional community.

Engineering Design & Development – CTE Center - Renaissance Campus
Course Number(s): 21007T2012
Open to: 12
Credit: 2 (2nd semester-2 periods)
Prerequisite: Successful completion of Digital Electronics and/or Computer Integrated Manufacturing, or Civil Engineering & Architecture A & B. Students must be concurrently enrolled in HS Math III A & B or above.
Content: This capstone course allows students to design a solution to a technical problem of their choosing. This is an engineering research course in which students research, design, test and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide and help the team to reach a solution to the problem. Students create presentations to their solutions. The EDD course allows students to apply all the skills and knowledge learned in previous engineering courses. This course also engages students in time management and teamwork skills, a valuable set for students in the future. Students in Engineering Design and Development are responsible for obtaining supplies specific to their group projects. Students are encouraged to seek out donations and/or recycled parts that can be used in completing their projects.
# Science Sequence of High School Courses

## 9th Grade
- Earth Science
- Honors Earth Science

## 10th Grade
- Biology
- Honors Biology
- Electives

## 11th Grade
- AP Biology
- Practical Entomology
- Microbiology & Genetics
- Zoology
- Amphibians, Reptiles, and Birds
- Anatomy
- AP Environmental Science
- Ecology
- Forensics in Science
- Wildlife Biology
- Aquatic Habitat Conservation
- Botany & Forestry
- Ecology, Wildlife in the Environment
- Botany/Horticulture Plant Science I
- Botany/Science of Plant Growth & Development
- Botany, Gardening & Landscaping
- General Chemistry
- Chemistry
- Honors Chemistry
- AP Chemistry
- Physics
- Conceptual Physics
- Honors Conceptual Physics
- AP Physics I
- AP Physics II
- Oceans
- Geology
- Astronomy

**Note:** Not all courses may be available at all schools.
**Science**

**Earth Science A & B**
Course Number(s): 03001G1011, 03001G1012
Open to: 9
Credit: 2 (Lab Credits)
Prerequisite: None
Content: This course provides students with an understanding of the different aspects of the Earth's systems. These systems are explored through areas of physical and historical geology, meteorology, and astronomy. Emphasis is placed on interactions between the Earth's natural systems and humans. With the use of visual aids, models, and computers, this course is designed to discover earth science in a hands-on experience. *This is an approved NCAA course.*

**Honors Earth Science A & B**
Course Number(s): 03001H1011, 03001H1012
Open to: 9
Credit: 2 (Lab Credits)
Prerequisite: Signed Rigor Commitment Form
Content: Topics and concepts are similar to those covered in Earth science but at a faster pace and with greater emphasis on interpretation and analysis of existing data relating to the Earth's science issues. Out of class readings and research projects are required. *This is an approved NCAA course.*

**Biology A & B**
Course Number(s): 03051G1011, 03051G1012
Open to: 10
Credit: 2 (Lab Credits)
Prerequisite: None
Content: Biology will stress the world of life, the cell as the basic unit of life, genetics, the plant and animal kingdoms, ecological relationships, and vocational applications of biology in today's world. *This is an approved NCAA course.*

**Honors Biology A & B**
Course Number(s): 03051H1011, 03051H1012
Open to: 9, 10
Credit: 2 (Lab Credits)
Prerequisite: Signed Rigor Commitment Form
Content: This course is designed to meet the needs of the high-achieving science student. The biology curriculum is implemented at a faster pace and additional projects are required. Enrichments are provided. *This is an approved NCAA course.*

**AP Biology A & B — Advanced Placement**
Course Number(s): 03056E1011, 03056E1012
Open to: 10, 11, 12
Credit: 2 (Lab Credits)
Prerequisite: Signed Rigor Commitment Form
Content: This course is designed by the College Board to be the equivalent of a college introductory biology course taken by biology majors during their first year at college. This course has a concentration of lab work with technical lab reports required. Taking the Advanced Placement Examination is strongly recommended upon completion for possible college credit. Students should check with specific prospective universities to find out what level of university biology this will meet. *This course is graded on a 5-point scale. This is an approved NCAA course.*
<table>
<thead>
<tr>
<th>Course</th>
<th>Course Number(s)</th>
<th>Open to</th>
<th>Credit</th>
<th>Prerequisite</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Astronomy A &amp; B</strong></td>
<td>03004G1011, 03004G1012</td>
<td>11, 12</td>
<td>2 (Lab Credits)</td>
<td>Successful completion of Earth Science A &amp; B, Biology A &amp; B, HS Math II A &amp; B</td>
<td>Students will become familiar with the extraordinary objects that have been observed in our universe. They will begin to understand what these objects are and how they came to be. They will also look for patterns and structure in the universe. <em>This is an approved NCAA course.</em></td>
</tr>
<tr>
<td><strong>Wildlife Biology</strong></td>
<td>03099G1011</td>
<td>11, 12</td>
<td>1 (Lab Credit)</td>
<td>Successful completion of Earth Science A &amp; B and Biology A &amp; B.</td>
<td>This course will study both native and non-native species in the Northwest. Wildlife Biology will focus on issues dealing with game and non-game animals in Idaho. The students will learn about techniques that biologists use to study wildlife populations. <em>This is an approved NCAA course.</em></td>
</tr>
<tr>
<td><strong>Anatomy A &amp; B</strong></td>
<td>03054G1011, 03054G1012</td>
<td>11, 12</td>
<td>2 (Lab Credits)</td>
<td>Successful completion of 2 lab credits and credit earned in Biology A &amp; B.</td>
<td>Anatomy investigates each of the nine human systems in their basic functions. Integumentary, skeletal, muscular, cardiovascular, respiratory, circulatory, digestive, reproductive, and neurological are the areas in which students will receive detailed instruction. Students will gain in-depth knowledge through lecture, lab, and dissections as they relate to this field of study. <em>This is an approved NCAA course.</em></td>
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<tr>
<td><strong>Zoology</strong></td>
<td>03061G1011</td>
<td>11, 12</td>
<td>1 (Lab Credit)</td>
<td>Successful completion of Biology A &amp; B</td>
<td>This class deals with evolution, classification, and the animal kingdom. The class focuses on the anatomy, physiology, and behavior of invertebrates and vertebrates. Dissections are a requirement for this class. <em>This is an approved NCAA course.</em></td>
</tr>
<tr>
<td><strong>Chemistry A &amp; B</strong></td>
<td>03101G1011, 03101G1012</td>
<td>10, 11, 12</td>
<td>2 (Lab Credits)</td>
<td>Successful completion of HS Math I A &amp; B and 2 lab science credits. (HS Math II A &amp; B may be taken concurrently with this class.)</td>
<td>College Preparatory Chemistry: This laboratory course is designed to prepare the student for college level chemistry, including AP Chemistry and those entering majors in chemistry, engineering, medicine, and biology. This course uses the scientific method as a tool to study materials and their properties on both observational and theoretical levels. The physical states and properties of matter are combined with atomic theory as a basis for understanding the laws and uses of materials. This course is technical in nature and involves technical writing skills. It is also mathematically based to give students the background to succeed in college chemistry. <em>This is an approved NCAA course.</em></td>
</tr>
</tbody>
</table>
**Honors Chemistry A & B**
Course Number(s): 03101H1011, 03101H1012
Open to: 11, 12
Credit: 2 (Lab Credits)
Prerequisite: Signed Rigor Commitment Form, Successful completion of HS Math I A & B, HS Math II A & B and 2 lab science credits
Content: This laboratory course prepares potential college-bound students for majors in chemistry, engineering, medicine and biology. This course uses the scientific method as a tool to study materials and their properties on both observational and theoretical levels. The physical states and properties of matter are combined with atomic theory as a basis for understanding the laws and uses of materials. This course is technical in nature and involves technical writing skills. It is also mathematically based to give students the background to succeed in college chemistry. This course moves at a faster pace and goes more in-depth than the Chemistry A - B course. *This is an approved NCAA course.*

**AP Chemistry A & B - Advanced Placement**
Course Number(s): 03106E1011, 03106E1012
Open to: 11, 12
Credit: 2 (Lab Credits)
Prerequisite: Signed Rigor Commitment Form, Successful completion of HS Math II A & B, and 2 lab science credits
Content: This laboratory course follows the College Board AP standards and is a demanding, high intensity course, which covers the first year of general college chemistry stressing thermochemistry, equilibriums and state of the art laboratory techniques. This course is technical in nature; involves technical writing skills and is mathematically based. The Advanced Placement Examination is strongly recommended upon completion for possible college credit. Students should check with specific prospective universities to find out what level of university chemistry this will meet. *This course is graded on a 5-point scale. This is an approved NCAA course.*

**Physics A & B**
Course Number(s): 03151G1011, 03151G1012
Open to: 10, 11, 12
Credit: 2 (Lab Credits)
Prerequisite: Successful completion of 2 lab science credits, HS Math II A & B (HS Math II A & B may be taken concurrently with this class.)
Content: This course immerses the student into the concepts of physics and is designed to prepare students for science or engineering courses in college. Physics is the study of the rules of nature. Topics covered include motion, force, energy, fluids, heat, sound, light, electricity, magnetism, mechanics, thermodynamics, gravitation, fluid forces, concepts, mathematical problem solving, and lab work. An understanding of geometry is required. *This is an approved NCAA course.*

**AP Physics I A & B – Advanced Placement**
Course Number(s): 03155E1021, 03155E1022
Open to: 10, 11, 12
Credit: 2 (Lab Credits)
Prerequisite: Successful completion of HS Math II A & B and Signed Rigor Commitment Form
Content: AP Physics I is the equivalent to a first semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. *This course is graded on a 5-point scale. This is an approved NCAA course.*
**AP Environmental Science A & B - Advanced Placement**

Course Number(s): 03207E1011, 03207E1012  
Open to: 11, 12  
Credit: 2 (Lab Credits)  
Prerequisite: **Signed Rigor Commitment Form required and** successful completion of Earth Science A & B and Biology A & B  
Content: The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. This is a rigorous science course that stresses scientific principles and analysis, and that often includes a laboratory component. This course will enable students to undertake, as first-year college students, a more advanced study of topics in environmental science. Taking the Advanced Placement Examination is strongly recommended upon completion for possible college credit. Students should check with specific prospective universities to find out what level of university environmental science this will meet. **This course is graded on a 5-point scale. *This is an approved NCAA course.***

**Oceans A & B**

Course Number(s): 03005G1011, 03005G1012  
Open to: 11, 12  
Credit: 2 (Lab Credits)  
Prerequisite: Successful completion of Earth Science A & B and Biology A & B  
Content: Oceanography is the study of the interactions of biology, geology, chemistry, and physics in the function, processes, and systems of oceans. Labs and course of study are designed to give the student a strong background in the science of oceanography. **This is an approved NCAA course.**

**Practical Entomology**

Course Number(s): 03009G1011  
Open to: 11, 12  
Credit: 1 (Elective Credit)  
Prerequisite: None  
Content: This unique course gives students the opportunity to learn a lifetime recreational skill while applying the elements and principles of design. Students are exposed to entomology, biology, woodworking, and basic design skills. Students will also explore a variety of employment opportunities with regard to fly tying. Students will tie approximately fifteen different fly patterns covering a wide range of insect life. Students are required to complete a semester notebook with all class materials for the elective credit. **This course does NOT count as a science credit.**
Social Studies

9th
- Eastern Geographical Perspectives

10th
- U.S. History A & B

11th
- U.S. History A & B

12th
- Government A & B

12th
- Economics

10th - Honors U.S. History A & B

11th - Honors U.S. History A & B

12th - AP U.S. Government A & B

12th - AP Macroeconomics

12th - AP Microeconomics

Social Studies Electives

Psychology I
Psychology II
Sociology
Military History

Note: Not all courses may be available at all schools.
American Government A & B
Course Number(s): 04151G1011, 04151G1012
Open to: 12
Credit: 2
Prerequisite: None
Content: This class addresses the course of America's political development and institutions with an emphasis on citizenship awareness and citizen rights and responsibilities. It emphasizes the following: the Constitution, American political parties, state and local governments, and federalism. This is an approved NCAA course.

AP Human Geography A & B – Advanced Placement
Course Number(s): 04004E1011, 04004E1012
Open to: 9-12
Credit: 2
Prerequisite: Successful completion of an introductory level geography course.
Content: This course focuses instruction around seven units. The seven units include: 1. Geography Its Nature and Perspectives, 2. Population, 3. Cultural Patterns and Processes, 4. Political Organization of Space, 5. Agricultural and Rural Land Use, 6. Industrialization and Economic Development, 7. Cities and Urban Land Use. Successful completion of BOTH SEMESTERS of this course will satisfy the Eastern Geographical Perspectives graduation requirement. This is an approved NCAA course.

AP Macroeconomics – Advanced Placement
Course Number(s): 04204E1011
Open to: 12
Credit: 1
Prerequisite: Signed Rigor Commitment Form
Content: Advanced Placement (AP) Macroeconomics is intended for qualified students who wish to complete studies in high school that are equivalent to a semester college introductory course in macroeconomics. Designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Places particular emphasis on the study of national income and price determination, and also develops students' familiarity with economic performance measures, economic growth, and international economics. This course is graded on a 5-point scale. This is an approved NCAA course.

AP Microeconomics – Advanced Placement
Course Number(s): 04203E1011
Open to: 12
Credit: 1
Prerequisite: Signed Rigor Commitment Form
Content: AP Microeconomics focuses on how economic decisions are made by individuals, firms, and organizational structures. Demand and supply analysis is developed to demonstrate how market prices are determined, how those prices determine an economy’s allocation of goods and services, how factors of production are allocated in the production process, and how goods and services are distributed throughout the economy. Emphasis is placed on analyzing and evaluating the effects of government intervention, as well as the economic decisions made by political and business leaders. The goal of the AP Microeconomics class is to teach students how to develop logical arguments using economic models as a basis for decision-making. This course is graded on a 5-point scale. This is an approved NCAA course.

AP U.S. Government A & B – Advanced Placement
Course Number(s): 04157E1011, 04157E1012
Open to: 12
Credit: 2
Prerequisite: Signed Rigor Commitment Form
Content: This course will cover in depth, six primary sections: Constitutional underpinnings, voting and elections, parties, and mass media institutions (legislative, executive, judicial), civil rights and liberties. The course will couple the workings of government structures and the influence of politics on the American citizenry. This course is graded on a 5-point scale. This is an approved NCAA course.
AP U.S. History 11 A & B – Advanced Placement
Course Number(s): 04104E1011, 04104E1012
Open to: 11
Credit: 2
Prerequisite: Signed Rigor Commitment Form
Content: This course uses unique college-level instruction relative to College Board requirements. It provides the motivated student a chance to excel beyond the normal high school classroom experience. It is possible to earn college credit and placement into upper division college courses through an optional Advanced Placement exam. This course is graded on a 5-point scale. This is an approved NCAA course.

Eastern Geographical Perspectives
Course Number(s) 04061G1010
Open to: 9
Credit: 1
Prerequisite: None
Content: This semester course is designed to give students a comprehensive study of geographical perspectives throughout the Eastern World. Emphasis will be placed on an introduction to geographic skills, and the study of how physical geography, history, government, culture and economics within a region impact those living in that region and people throughout the world. Specific areas of study will include: Middle East, Africa, Asia, Eastern Europe, and Russia. This is an approved NCAA course.

Economics
Course Number(s): 04201G1011
Open to: 12
Credit: 1
Prerequisite: None
Content: This course introduces the student to the concepts of economics. The course will explain what economics is and how it affects theories and applications of supply and demand. It also will examine the economy from the perspective of banks, businesses, consumers, and government. Finally, this course will look at economics beyond our borders and explore the global nature of our system. This is an approved NCAA course.

Honors U.S. History 10 A & B
Course Number(s): 04102H1011, 04102H1012
Open to: 10
Credit: 2
Prerequisite: Signed Rigor Commitment Form
Content: This course meets the needs of high achieving history students. The Honors U.S. History curriculum is implemented at a faster pace with additional projects and enrichment provided. This course is a chronological and thematic survey of our nation’s past from the Pre-Colonial Period through the Reconstruction. Emphasis is on historical cause and effect and social implications. This is an approved NCAA course.

Honors U.S. History 11 A & B
Course Number(s): 04103H1011, 04103H1012
Open to: 11
Credit: 2
Prerequisite: Signed Rigor Commitment Form
Content: This course is a college level introduction to American history from 1876 to modern day. The course will lend academic rigor with personal relevancy. Note: This is not an AP preparation course, rather a survey course conducted and taught at a college level. This is an approved NCAA course.
Military History
Course Number(s): 04099G1011
Open to: 11, 12
Credit: 1
Prerequisite: None
Content: Military history will study the effects of technology on the offensive and defensive cycles of warfare from pre-history to the period of Warfare of Ideology. This is an approved NCAA course.

Psychology I
Course Number(s): 04255G1011 – This is a high school course and cannot be offered for Concurrent Credit.
Open to: 11, 12
Credit: 1
Prerequisite: None
Content: This class studies the individual and personality. It promotes understanding of one’s self. It is a study of how the mind learns both consciously and unconsciously and how these learned patterns affect our behavior. Specific areas of study include: History, Research Methods, Developmental Psychology, Biology and Behavior, Altered States of Consciousness, Behavioral and Social Learning. This is an approved NCAA course.

Psychology II
Course Number(s): 04254G1010 -- This is a high school course and cannot be offered for Concurrent Credit.
Open to: 11, 12
Credit: 1
Prerequisite: Successful completion of Psychology I
Content: This class continues the study of the individual and personality. It promotes understanding of one’s self and others. It is a study of how the mind learns both consciously and unconsciously and how these learned patterns affect our behavior. Specific areas of study include: Memory, Intelligence, Social Psychology, Personality, Abnormal Behavior and Treatments. This is an approved NCAA course.

Sociology
Course Number(s): 04258G1011
Open to: 11, 12
Credit: 1
Prerequisite: None
Content: This class studies the behavior of human personalities as well as the effects and development of culture. The class brings into focus the development of social structures, why societies develop in certain ways, how the process of socialization affects both the individual and the group, and how distinctions arise within various societies. This is an approved NCAA course.

U.S. History 10 A & B
Course Number(s): 04102G1011, 04102G1012
Open to: 10
Credit: 2
Prerequisite: None
Content: This course is a chronological and thematic survey of our nation’s past from the Pre-Colonial Period through the Reconstruction. Emphasis is on historical cause and effect and people, events and movements, which have shaped our current society. The course seeks to promote an awareness and appreciation of our nation’s history. This is an approved NCAA course.

U.S. History 11 A & B
Course Number(s): 04103G1011, 04103G1012
Open to: 11
Credit: 2
Prerequisite: None
Content: This course is a chronological and thematic survey of our nation’s past from 1870’s to September 11, 2001, with emphasis placed on 20th Century America. Special emphasis will be placed on historical causes and effects of events, movements, and people who have established the American past. The course promotes an appreciation and awareness of the richness of our history and institutions. This is an approved NCAA course.
Visual Arts Course Sequence Tree

- Design
  - Traditional Folk Art
    - Design only
  - Digital Painting
  - *Ceramics I
    - Ceramics II
      - Advanced Ceramics A or B
  - *Drawing & Painting A or B
    - Advanced Art A & B
      - *Prerequisite Drawing/ Painting A or B
        - Advanced Drawing
          - *Teaching Art in the Elementary School
  - *Printmaking
    - Adv Printmaking
      - Illustration
  - Intro to College Art

- Drawing
  - *Printmaking
  - *Prerequisite Drawing/Painting A or B
  - AP Studio: Design
  - AP Studio: Drawing

*Both Design and Drawing courses are prerequisites for Drawing and Painting A or B, Printmaking, Teaching Art in Elementary School, and Ceramics I.

Note: Not all courses may be available at all schools.
**Visual Arts**

**Design**
Course Number(s): 05154G1011
Open to: 9, 10, 11, 12
Credit: 1
Prerequisite: None
Content: This course explores the elements and principles of design through projects that may include collage, pencil, colored pencil, paint, and printmaking. Art history study will include Op Art (Optical) and Abstract art. This course is a prerequisite for all advanced classes including ceramics classes.

**Drawing**
Course Number(s): 05156G1011
Open to: 9, 10, 11, 12
Credit: 1
Prerequisite: None
Content: This course is an introduction to high school level drawing. Students will explore figure, contour, gesture, cartooning, and still life drawing. Proportion, perspective, shading, texture, and value scales are introduced. Art history study will include the Renaissance and Cubism. This course is a prerequisite for all advanced classes including ceramics classes.

**Drawing/Painting A**
Course Number(s): 05155G1011
Open to: 10, 11, 12
Credit: 1
Prerequisite: Successful completion of Design and Drawing
Content: This course explores drawing and painting at higher levels with an emphasis on original compositions. Students will work with acrylics, pen and ink, as well as other art materials. Art history topics will include Impressionism and Expressionism.

**Drawing/Painting B**
Course Number(s): 05155G1012
Open to: 10, 11, 12
Credit: 1
Prerequisite: Successful completion of Design and Drawing
Content: This course explores drawing and painting at higher levels with an emphasis on original compositions. Students will work with watercolor, printmaking and other art materials. The art history focus will be Pop Art.

**Digital Painting**
Course Number(s): 05155G1021
Open to: 10, 11, 12
Credit: 1
Prerequisite: Successful completion of Drawing and Design
Content: This course explores digital painting and art making with an emphasis on technical understanding and technique. Students will work digitally using a tablet as well as traditionally on paper to plan and sketch ideas. The use of Photoshop as an art medium will be explored throughout the course, including brush manipulation and creation.

**Advanced Art A & B**
Course Number(s): 05157G1011, 05157G1012
Open to: 11, 12
Credit: 2 (This course may be repeated)
Prerequisite: Successful completion of Drawing/Painting A or B and Teacher Approval
Content: This course includes a variety of upper level projects using a wide range of materials. It includes opportunities for independent study. This course may be taken multiple semesters.
**Advanced Drawing**  
Course Number(s): 05156G1012  
Open to: 11, 12  
Credit: 1 (This course may be repeated.)  
Prerequisite: Painting/Drawing A & B  
Content: This course is designed for those students who wish to advance their drawing skills and begin to prepare for the AP Studio Art: Drawing Portfolio class, but do not wish to go into painting or ceramics.

**AP Studio Art: 3-D Design A & B**  
Course Number(s): 05171E1021, 05171E1022  
Open to: 11-12  
Credit: 2  
Prerequisite: Successful completion of Advanced Ceramics A & B  
Content: This course has been developed to accommodate students who have expressed interest in completing the AP 3D Design Portfolio Exam. Through direct teacher instruction, emphasis will be placed on the production of a volume of quality 3-dimensional pieces of artwork. Students will address all three sections of the portfolio: Breadth, Concentration, and Quality. Students will be challenged to develop their own personal work.

**AP Studio Art: Drawing A & B - Advanced Placement**  
Course Number(s): 05172E1011, 05172E1012  
Open to: 11, 12  
Credit: 2  
Prerequisite: Signed Rigor Commitment Form and successful completion of Advanced Art A or B  
Content: This course has been developed to accommodate students who have expressed interest in completing the AP Drawing Portfolio Exam. Through direct teacher instruction, emphasis will be placed on the production of a volume of quality pieces of artwork. Students will address all three sections of the portfolio: Breadth, Concentration, and Quality. Students will be challenged to develop their own personal work. **This course is graded on a 5-point scale.**

**AP Studio Art: Design A & B – Advanced Placement**  
Course Number(s): 05171E1011, 05171E1012  
Open to: 11, 12  
Credit: 2 (This course may be repeated.)  
Prerequisite: Signed Rigor Commitment Form and successful completion of Advanced Art A or B  
Content: This course has been developed to accommodate students who are seriously interested in the practical experience of art and wish to develop mastery in the concept, composition, and execution of their ideas. Students will address all three sections of the portfolio: Breadth, Concentration, and Quality. Students will be challenged to develop their own personal work. Students may specialize in either 2D or 3D design. **This course is graded on a 5-point scale.**

**Art Studio Lab**  
Course Number(s): 05154G1021  
Open to: 11, 12 (any student enrolled in an Advanced Placement Art class)  
Credit: 1 (This course may be repeated.)  
Prerequisite: Signed Rigor Commitment Form, successful completion of Advanced Art A and B  
Content: This course will accommodate students who are concurrently enrolled in Advanced Placement Studio Art: Drawing or Design in the form of independent studio time. This will allow the AP Studio student time and access to materials and equipment not available at home. Students will be required to work on breadth, concentration, or quality work for the AP portfolio. **This course is graded as pass/fail.**
**Ceramics I**
Course Number(s): 05159G1011  
Open to: 10, 11, 12  
Credit: 1  
Prerequisite: Successful completion of Design and Drawing  
Content: This course explores various design elements and principles with regard to three-dimensional projects. Materials explored include clay and glaze. Students will be introduced to three-dimensional art from ancient to modern times. Careers in ceramics and ceramics related fields are introduced.

**Ceramics II**
Course Number(s): 05159G1031  
Open to: 10, 11, 12  
Credit: 1  
Prerequisite: Successful completion of Ceramics I  
Content: This course will continue to develop and apply ceramics skills introduced in Ceramics I. Advanced techniques in construction, throwing, hand-building and decoration of three-dimensional projects will be introduced. As the course continues, students will complete more difficult and complex projects. Careers in ceramics and ceramics related fields are introduced.

**Advanced Ceramics A & B**
Course Number(s): 05159G1021, 05159G1022  
Open to: 11, 12  
Credit: 1 to 2 (This course may be repeated.)  
Prerequisite: Successful completion of Ceramics I and II  
Content: This course includes a variety of upper level projects using a wide range of materials with clay. It includes opportunities for independent study. This course may be taken multiple times.

**Printmaking**
Course Number(s): 05161G1011  
Open to: 10, 11, 12  
Credit: 1  
Prerequisite: Design and Drawing  
Content: This class allows students to explore various techniques in printmaking focusing on original art production. This class will also allow students to build on their knowledge of elements and principles of design through a variety of printmaking techniques. Students will also participate in group and class critiques describing, analyzing and interpreting visual images.

**Advanced Printmaking**
Course Number(s): 05161G1012  
Open to: 10, 11, 12  
Credit: 1 (This course may be repeated.)  
Prerequisite: Successful completion of Printmaking  
Content: This course explores more advanced techniques in relief and screen printing. Emphasis on screen printing posters and textiles including T-shirt design and printing.

**Traditional Folk Art**
Course Number(s): 05165G1021  
Open to: 9, 10, 11, 12  
Credit: 1 (This course may be repeated.)  
Prerequisite: Design  
Content: This course explores the elements and principles of design through traditional folk art projects. Activities include jewelry design and construction, bead making, masks, coil baskets, stained glass, collage and paper projects. The history of American folk art, as well as the art of other cultures, is explored and integrated into student work. Career opportunities in folk art are discussed and researched.
Illustration
Course Number(s): 05155G1031
Open to: 10, 11, 12
Credit: 1 (This course may be repeated.)
Prerequisite: Successful completion of Drawing and Design
Content: This course will expose students to aspects of the professional illustration world. Students will learn how to communicate ideas effectively to solve illustrative problems. An exceptionally wide range of media will be offered for each project, as all students will find their own personal avenue to effectively illustrate the visual problems they are presented.
World Languages

American Sign Language I A & B
Course Number(s): 06801G1011, 06801G1012
Open to: 9, 10, 11
Credit: 2
Prerequisite: None
Content: This class introduces the student to basic American Sign Language conversation, vocabulary, and grammar. The history and culture of American Sign Language will also be addressed. The course will be taught through an immersion model using American Sign Language as the target language. Conversation in American Sign Language is encouraged and expected. This is an approved NCAA course.

American Sign Language II A & B
Course Number(s): 06801G1021, 06801G1022
Open to: 10, 11, 12
Credit: 2
Prerequisite: Successful completion of American Sign Language I A & B
Content: This full year course will continue to introduce new vocabulary, ASL grammar, and sentence structure building on year one skills and concepts. Students will also be introduced to Deaf history and culture. The course will be taught through an immersion model using American Sign Language as the target language. Conversation and instruction will take place using the target language. This is an approved NCAA course.

American Sign Language III A & B
Course Number(s): 06801G1031, 06801G1032
Open to: 11, 12
Credit: 2
Prerequisite: Successful completion of American Sign Language II A & B
Content: In this class students will continue to develop intermediate to advanced sign language communication skills. This course will include information on or about receptive and expressive skills, conversational skills, vocabulary, classifiers, sentence structure, grammar, and storytelling. Furthermore, students will continue learning about Deaf history, culture, ASL literature, poetry, and various art forms. This course will be taught through an immersion model using American Sign Language as the target language. Conversation in ASL is required. This is an approved NCAA course.

French I A & B
Course Number(s): 06121G1011, 06121G1012
Open to: 9, 10, 11, 12
Credit: 2
Prerequisite: None
Content: This class emphasizes French conversation, vocabulary, grammar, history, and culture. This is an approved NCAA course.

French II A & B
Course Number(s): 06122G1011, 06122G1012
Open to: 9, 10, 11, 12
Credit: 2
Prerequisite: Successful completion of French I A & B
Content: This class emphasizes French conversation, vocabulary, grammar, history, and culture. This is an approved NCAA course.

French III A & B
Course Number(s): 06123G1011, 06123G1012
Open to: 10, 11, 12
Credit: 2
Prerequisite: Successful completion of French II A & B
Content: This course involves an extensive review of basic grammar, introduction of remaining verb tenses, reading, writing, and conversation skills. This is an approved NCAA course.
**French IV A & B**
Course Number(s): 06124G1011, 06124G1012
Open to: 11, 12
Credit: 2
Prerequisite: Successful completion of French III A & B
Content: Students are expected to work extensively on their own with novels and other French literature to prepare students for advanced placement in college courses. *This is an approved NCAA course.*

**French V A & B**
Course Number(s): 06125G1011, 06125G1012
Open to: 12
Credit: 2
Prerequisite: The class will be conducted in French and students will be expected to use French as much as possible while studying short stories, poems, newspaper articles, novels, and comprehension activities. *This is an approved NCAA course.*

**German I A & B**
Course Number(s): 06201G1011, 06201G1012
Open to: 9, 10, 11, 12
Credit: 2
Prerequisite: None
Content: This class introduces the student to basic German conversation, vocabulary, grammar, history and culture. Cultural activities, including German crafts and authentic culinary experiences will enhance understanding of the German culture. Conversation in German is encouraged. Frequent written homework is required. *This is an approved NCAA course.*

**German II A & B**
Course Number(s): 06202G1011, 06202G1012
Open to: 10, 11, 12
Credit: 2
Prerequisite: Successful completion of German I A & B
Content: This class emphasizes German conversation, vocabulary, structure, reading, writing, culture, and history. Cultural activities, including German crafts and authentic culinary experiences will enhance understanding of the German culture. Conversation in German is encouraged. Frequent homework is required. *This is an approved NCAA course.*

**German III A & B**
Course Number(s): 06203G1011, 06203G1012
Open to: 11, 12
Credit: 2
Prerequisite: Successful completion of German II A & B
Content: Extensive review of basic grammar and introduction of remaining verb tenses is emphasized; reading, writing, and conversation skills. Cultural activities, including German crafts and authentic culinary experiences will enhance understanding of the German culture. *This is an approved NCAA course.*

**German IV A & B**
Course Number(s): 06204G1011, 06204G1012
Open to: 12
Credit: 2
Prerequisite: Successful Completion of German III A & B
Content: This course will prepare students for advanced placement in college courses. They will read and discuss literature, view films, and listen to interviews and dramas. All conversation, writing, and class discussion will be in German. Cultural activities, including German crafts and authentic culinary experiences will enhance understanding of the German culture. *This is an approved NCAA course.*
<table>
<thead>
<tr>
<th>Course</th>
<th>Course Number(s)</th>
<th>Open to</th>
<th>Credit</th>
<th>Prerequisite</th>
<th>Content</th>
<th>NCAA Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>German V A &amp; B</strong></td>
<td>06205G1011, 06205G1012</td>
<td>12</td>
<td>2</td>
<td>Successful completion of German IV A &amp; B</td>
<td>This course is designed for students who have already completed the normal four-year course objectives and wish to prepare for the third year of college in German. The students will investigate societal themes, reading and writing with advanced grammar. <strong>This is an approved NCAA course.</strong></td>
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<td><strong>Spanish I A &amp; B</strong></td>
<td>06101G1011, 06101G1012</td>
<td>9, 10, 11, 12</td>
<td>2</td>
<td>None</td>
<td>This class introduces the student to basic Spanish conversation, vocabulary, grammar, history, and culture. Conversation in Spanish is encouraged. Frequent homework is required. <strong>This is an approved NCAA course.</strong></td>
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<tr>
<td><strong>Spanish II A &amp; B</strong></td>
<td>06102G1011, 06102G1012</td>
<td>9, 10, 11, 12</td>
<td>2</td>
<td>Successful completion of Spanish I A &amp; B</td>
<td>This class emphasizes Spanish conversation, vocabulary, structure, reading, writing, culture, and history. Conversation in Spanish is encouraged. Frequent homework is required. <strong>This is an approved NCAA course.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Honors Spanish II A &amp; B</strong></td>
<td>06102H1011, 06102H1012</td>
<td>9, 10, 11, 12</td>
<td>2</td>
<td>Signed Rigor Commitment Form</td>
<td>This course is designed to meet the needs of high-achieving Spanish students. The Spanish curriculum is implemented at a faster pace and additional projects are required. <strong>This is an approved NCAA course.</strong></td>
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<td><strong>Spanish III A &amp; B</strong></td>
<td>06103G1011, 06103G1012</td>
<td>9, 10, 11, 12</td>
<td>2</td>
<td>Successful completion of Spanish II A &amp; B</td>
<td>This class involves an extensive review of all basic grammar, and introduces remaining verb tenses. Reading, writing and speaking skills are heavily stressed. The culture of Spanish speaking nations is explored in greater depth. <strong>This is an approved NCAA course.</strong></td>
<td></td>
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<tr>
<td><strong>Spanish IV A &amp; B</strong></td>
<td>06104G1011, 06104G1012</td>
<td>10, 11, 12</td>
<td>2</td>
<td>Successful completion of Spanish III A &amp; B</td>
<td>This class emphasizes reading, writing, and speaking. Students are expected to work extensively on their own. Novels and other Spanish literature prepare students for advanced placement in college courses. <strong>This is an approved NCAA course.</strong></td>
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</table>
Spanish V A & B
Course Number(s): 06105G1011, 06105G1012
Open to: 11, 12
Credit: 2
Prerequisite: Successful completion of Spanish IV A & B
Content: This class is taught completely in Spanish and students are expected to use it exclusively. Emphasis is placed on advanced reading, writing, and speaking through individual studies of Hispanic literature. Students prepare to enter advanced Spanish courses at the college level following graduation. This is an approved NCAA course.

AP Spanish Language I & II – Advanced Placement
Course Number(s): 06112E1011, 06112E1012
Open to: 12
Credit: 2
Prerequisite: Signed Rigor Commitment Form
Content: AP Spanish Language is intended for students who wish to develop proficiency and integrate acquired language skills, using authentic materials and sources. The course will focus on listening, speaking, reading, and writing at an advanced level. It will help prepare students to demonstrate their level of Spanish across three communicative modes: Interpersonal, Interpretive, and Presentational. Students should be prepared to spend significant time outside of class preparing for this class. This course is graded on a 5-point scale. This is an approved NCAA course.
**Career & Technical Education (CTE):** CTE magnet programs are designed to serve students attending multiple high school attendance zones. Students travel to and from their home high school, for a half day, to one of three CTE centers to take these. CTE Program classes offer students applied learning opportunities that align to in-demand job workplace skills. They are high-end sequenced career-training classes. Coursework is designed to prepare students for employment certification exams, a seamless transition on to postsecondary technical colleges, or industry skills applicable to employment readiness. Some of the essential components of establishing a CTE program is to maintain an active industry advisory board, provide state-of-art equipment and curriculum that meets industry standards, and to promote CTE student organizations, which provide students with opportunities to develop leadership skills as well as competition opportunities to showcase their CTE skills. To learn more about program options including CTE shuttle busing, visit [www.westada.org/CTE](http://www.westada.org/CTE)

<table>
<thead>
<tr>
<th>CTE Center – Meridian Campus</th>
<th>CTE Center – Renaissance Campus</th>
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<tbody>
<tr>
<td>1900 West Pine Avenue, Meridian, ID 83642</td>
<td>1307 E. Central Drive, Meridian, ID 83642</td>
</tr>
</tbody>
</table>

**Agriculture, Welding/Fabrication/Mechanical & Natural Resources Magnet**
- Animal Science
- Plant Sciences
- Natural Resources
- Welding/Fabrication
- Small Gasoline Engines

**Automotive Services Magnet**
- Automotive Technology
- Collision Repair
- Diesel Technology

**Early Childhood Education Magnet**
- Early Childhood Education

**Centennial High School**
12400 W. McMillan, Boise, ID 83713

**Computer Science Magnet**
- Programming
- Web Design

Programs aligned to SkillStack badging, giving students the option to earn Technical Competency Credits. Information is disseminated through the classroom instructor.
Lotteries

What is the purpose of a lottery?
The purpose of the lottery is to provide an equitable system for selecting students for the limited available seats. If more students apply than seats are available in a CTE Magnet Program class, then students will be selected by random lottery.

Which students qualify to be in a lottery?
To be entered into the lottery, during the year prior to the course desired, students must:

- request the class during Spring Registration. (Alternate class selections will not be considered.)
- receive a final grade of 70% or higher grade in any applicable prerequisite class unless specified in the current Course Description Handbook.
- maintain an attendance record consistent with the District’s Attendance Policy published in each home high school’s Student Handbook.
- sustain good classroom behavior (no Zero Tolerance infractions, written insubordination or safety referrals)

When will the lotteries be held?
- The lottery will be conducted prior to fall Registration.

What is the lottery process?
1. Each school will be given an allotment of seats for each program class based on Spring Registration requests.
2. A computer-based random number generator will be used to select numbers to fill each seat. Numbers and the student names assigned to them, are then noted on a spreadsheet. Once all allotted seats are filled, the process continues in order to establish a Wait List.
3. Results will be reflected on students’ class schedules which, they receive, during high school registration.
4. If a seat becomes available, the option to fill the seat is offered to the first student on the Wait List and so on, until the seat is filled.

Fast Forward Program (funded by Idaho State Legislature)
The Fast Forward Program provides a total of $4,125 per student to be used throughout grades 7 - 12. Funds can be applied to any of the following: Concurrent Credit classes, Advanced Placement exams, International Baccalaureate exams, qualifying Career Technical Education exams, or overload courses. Instructions on how to access Fast Forward funds will be provided to students by their instructor, as registration dates approach for classes and exams. Information can also be found on the district website at http://www.westada.org/fastforward.

CTE Shuttle Bus Information
Will there be busing for my traveling CTE class?
In general, busing is available to and from CTE centers in the mornings and afternoons on both A and B days from each zoned home high school. Some traveling CTE classes require an externship or internship. If so, students will need to provide your own transportation. The “car icon” denotes which classes require self-transport.

How do I find the bus schedule?
Once students receive their class schedules, they can look up busing details at the West Ada School District’s website (www.westada.org/CTE). Once at the CTE webpage, find the Transportation menu.
CTE Center – Meridian Campus
1900 West Pine Avenue
Meridian, ID 83642
(208) 350-4176

Agriculture, Welding/Fabrication/Mechanical & Natural Resources Magnet
- Animal Science Pathway
- Natural Resources Pathway
- Plant Sciences Pathway
- Welding/Fabrication Pathway
- Small Gasoline Engines Pathway

Automotive Services Magnet
- Automotive Technology Pathway
- Collision Repair Pathway
- Diesel Technology Pathway

Early Childhood Education Magnet
- Early Childhood Education Pathway

For more information about Career & Technical Education (CTE) magnet programs and available shuttle busing, visit www.westada.org/CTE
**AG 410 – Personal Skills Development**

Course Number(s): 18203T1011  
Open to: 9, 10  
Credit: 1 (1 period, 1 semester)  
Prerequisite: None  
Content: This course focuses on developing agricultural leadership, citizenship, and cooperation. Includes topics in personal growth, parliamentary procedure, public speaking, interpersonal communication, job skills, and career exploration. The FFA organization is used as a model for instruction. Students interested in participating in the FFA are strongly encouraged to take this course.

**AG 475 – Advanced Leadership in Agriculture & Marketing – CTE Center - Meridian Campus**

Course Number(s): 18203T1021  
Open to: 10, 11, 12  
Credit: 1 (1 period, 1 semester)  
Prerequisite: Successful completion of Personal Skills Development  
Content: A course designed to build upon leadership skills learned in Personal Skills Development, such as Program of Activities, FFA committee work, special projects, community service and internship opportunities. The skills learned are necessary to gain and maintain employment in the wholesale/retail agriculture sales field.

**AG 660 – Consumer Economics/Agricultural Business & Economics – CTE Center - Meridian Campus Center**

Course Number(s): 18201T1011  
Open to: 11, 12  
Credit: 1 (1 period, 1 semester)  
Prerequisite: None  
Content: Recommended for all Professional Technical students. This course introduces the student to agribusiness management in the free enterprise system. The course includes economic principles, budgeting, record keeping, finance, decision-making, risk management, business law, marketing and careers in agribusiness. **Students will received the required economics credit for graduation by successfully completing this course and by passing the Economics EOC.**
Animal Science Pathway – CTE Center – Meridian Campus

Students are scheduled for half-days when they travel and take classes at a CTE center. Most often, students must take two CTE classes to create a half-day schedule unless the class is a two-period long class. For full details, see the course description for each class.

It is highly recommended that students participate in the FFA student organization and Supervised Agricultural Experiences (SAE) projects.

RECOMMENDED COURSE SEQUENCE –
The ✓ symbol indicates required classes; ☐ indicates concurrent credit.

9th Grade: home high school courses
- Personal Skills Development (1 credit semester class)
- Introduction to Animal Science (1 credit semester class)

10th Grade: - home high school courses
- Zoology/Animal Science (1 credit semester class)
- Botany/Plant and Soil Science (1 credit semester class)

11th Grade: CTE Center classes
- Small Animal Care (1 credit semester class)
- Equine Science 1 (1 credit semester class)
- (OR)
- Small Animal Care (1 credit semester class)
- Zoology/Fish & Wildlife (1 credit semester class)

12th Grade: CTE Center classes
- Equine Science 2 (1 credit semester class)
- Veterinary Assistant Internship (2 credit full year class)
  (OR)
- Animal Nutrition (1 credit semester class)
- Veterinary Assistant Internship (2 credit full year class)

Additional Animal Science Package CTE classes:
- Advanced Leadership in Ag & Marketing (1 credit semester class for 10, 11, 12 graders)
- Consumer Economics/Ag Business & Economics (1 credit semester class for 11, 12 graders)
Animal Science Pathway

**AG 140 – Introduction to Animal Science**
Course Number(s): 18101T1011
Open to: 9, 10
Credit: 1 (1 period, 1 semester)
Prerequisite: Personal Skills Development highly recommended, but not required
Content: This course will introduce basic concepts and principles of animal nutrition, health, behavior, reproduction, and careers. Companion animals, livestock, and wildlife will be used to illustrate and reinforce the course objectives. Guest speakers, group projects, laboratory activities, and other interactive instructional methods will be employed to provide students opportunities to apply classroom learning.

**AG 530 – Zoology/Animal Science**
Course Number(s): 18101T1021
Open to: 10, 11
Credit: 1 (1 period, 1 semester)
Prerequisite: Successful completion of Intro to Animal Science. This course is a prerequisite for Small Animal Care and Veterinary Assistant Internship. This course must be taken concurrently with Botany/Plant & Soil Science.
Content: This course develops knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock. In addition, there will be study of the meat industry (terminology, grading, identification and selection of beef, pork, and lamb).

**AG 510 – Botany/Plant & Soil Science**
Course Number(s): 18051T1011
Open to: 10, 11
Credit: 1 (1 period, 1 semester)
Prerequisite: Successful completion of Intro to Animal Science. This course is a prerequisite for Small Animal Care and Veterinary Assistant Internship. This course must be taken concurrently with Zoology/Animal Science.
Content: This course examines soil and plant relationships that affect the production of food and fiber. Topics include soil science, plant anatomy, growth, and development; basic plant processes; identification of plants and weed pests; integrated pest management and weed control.

**AG 536 – Zoology/Fish & Wildlife Management – CTE Center - Meridian Campus**
Course Number(s): 18501T1011
Open to: 11, 12
Credit: 1 (1 period, 1 semester)
Prerequisite: Successful completion of Zoology/Animal Science and Botany/Plant and Soil Science
Content: This course examines the importance of fish & wildlife science, outdoor recreation and natural resources. Students will learn about careers in Fish & Wildlife Service and Fish and Game while learning about sustaining the resource.

**AG 532 – Zoology/Science of Animal Nutrition – CTE Center - Meridian Campus**
Course Number(s): 18105T1011
Open to: 11, 12
Credit: 1 (1 period, 1 semester)
Prerequisite: Successful completion of Small Animal Care
Content: This course is designed to provide learning experiences for students in the areas of animal nutrition, cell structures and physiology. This course is designed to provide learning experiences for students in the areas of animal nutrition, cell structures and physiology. Students will learn the basics of feeds and feeding, feed formulation, and feed production for all livestock.
AG 570 – Equine Science I – CTE Center - Meridian Campus
Course Number(s): 18104T1011
Open to: 11, 12
Credit: 1 (1 period, 1 semester)
Prerequisite: Successful completion of Zoology/Animal Science and Botany/Plant and Soil Science
Content: This course provides science and practical management instruction in the care of horses. The applied science curriculum component focuses on physiology, anatomy, nutrition, genetics, health and reproduction.

AG 571 – Advanced Equine Science II – CTE Center - Meridian Campus
Course Number(s): 18104T1021
Open to: 11, 12
Credit: 1
Prerequisite: Successful completion of Small Animal Care and Equine Science I
Content: This course provides advanced instruction for students with an interest in pursuing the equine industry as a career. Evaluation and selection will be emphasized.

AG 538 - Small Animal Care – CTE Center - Meridian Campus
Course Number(s): 18102T1011
Open to: 11, 12
Credit: 1 (1 period, 1 semester)
Prerequisite: Successful completion of Zoology/Animal Science and Botany/Plant and Soil Science
Content: This course is open to juniors and seniors interested in pursuing a career in the field of veterinary medicine. Students will learn proper medication procedures, care and handling techniques, documentation standards, signs and symptoms, breeds and animal systems, and foods and nutrition needs for the care of small animal behavior and illness.

AG 590 - Veterinary Assistant Internship A & B – CTE Center - Meridian Campus
Course Number(s): 18997T1011, 18997T1012
Open to: 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: Successful completion of Small Animal Care and either Equine Science I or Zoology/Fish and Wildlife Management with a minimum final grade of 70% or higher in both classes.
Transportation: Students MUST provide their own transportation to off-site clinicals and externships.
Content: This course will allow students hands-on real life experience in the field of veterinary medicine. Students will assist local veterinarians with lab work, dental care, surgery preparation, and the sanitation of prep, surgery, recovery and exam rooms. Interviews will help to indicate site selection. Students can test for the Kennel Assistant Certification at no cost to student. Students also have an end-of-course option to take an Animal Care Technologies Certification Exam. The optional exam is $125.00 and students are responsible for the cost of the exam.
Plant Sciences Pathway

Students can take this pathway in their home high schools. Eagle High and Centennial High students would have to travel to Rocky Mountain their junior year and Mountain View their senior year to complete this pathway. For full details, see the course description for each class. It is highly recommended that students participate in the FFA student organization and Supervised Agricultural Experiences (SAE) projects.

RECOMMENDED COURSE SEQUENCE –
The ✓ symbol indicates required classes; ☑ indicates concurrent credit.

**9th Grade: home high school courses**
- Personal Skills Development (1 credit semester class)
- Introduction to Animal Science (1 credit semester class)
- ✓ Introduction to Plant Science (1 credit semester class)

**10th Grade: home high school courses**
- Zoology/Animal Science (1 credit semester class)
- ✓ Botany/Plant and Soil Science (1 credit semester class)

**11th Grade: home high school courses**
(CHS and EHS travel to Rocky Mtn.)
- ✓ Horticulture 1/Botany (1 credit semester class)
- ✓ Horticulture II/Science of Plant Growth & Development (1 credit semester class)

**12th Grade: Mountain View High School**
- ✓ Landscape Design (1 credit semester class)
- ✓ Floral Design & Marketing (1 credit semester class)
Plant Sciences Pathway

AG 150 – Introduction to Plant Science
Course Number(s): 18053T1010
Open to: 9, 10
Credit: 1 (1 period, 1 semester)
Prerequisite: None
Content: A course designed to examine 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.

AG 510 – Botany/Plant & Soil Science
Course Number(s): 18051T1011
Open to: 10, 11
Credit: 1 (1 period, 1 semester)
Prerequisite: Successful completion of Introduction to Plant Science (Students are allowed to take this course concurrently with Intro to Plant Science)
Content: This course examines soil and plant relationships that affect the production of food and fiber. Topics include soil science, plant anatomy, growth, and development; basic plant processes; identification of plants and weed pests; integrated pest management and weed control.

AG 514 – Horticulture I/Botany-Taught at Mountain View, Meridian, & Rocky Mountain-CTE shuttles provided for CHS and EHS students.
Course Number(s): 18052T1011
Open to: 11, 12
Credit: 1 (1 period, 1 semester)
Prerequisite: Successful completion of Botany Plant and Soil Science
Content: This course prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation structures. Students study soil media, plant identification, growth and processes, greenhouse management, fertilizer, plant pests, diseases, and care of seedling. Landscaping basics are also a part of this course.

AG 512 – Horticulture II/Science of Plant Growth & Development-Taught at Mountain View, Meridian, & Rocky Mountain- CTE shuttles provided for CHS and EHS students.
Course Number(s): 18051T1021
Open to: 11, 12
Credit: 1 (1 period, 1 semester)
Prerequisite: Successful completion of Horticulture I/Botany
Content: This course examines the importance of plant cell structure, functions of cells, plant processes, nonvascular plants, vascular plants, roots, stems, leaves, flowers and reproduction/propagation of plants in the context of greenhouse and nursery production. Landscape design is also a component.

AG 330 – Landscape Design – Taught at Mountain View High School
Course Number(s): 18056T1021
Open to: 12
Credit: 1 (1 period, 1 semester)
Fees: None
Prerequisite: Successful completion of Horticulture II/Science of Plant Growth and Development.
Content: This course prepares students to design, construct and maintain planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation. Students will learn concepts associated with landscape maintenance, design, and related technologies.
AG 335 – Floral Design & Marketing – Taught at Mountain View High School

Course Number(s): 18056T1011
Open to: 12
Credit: 1 (1 period, 1 semester)
Fees: None
Prerequisite: Successful completion of Horticulture II/Science of Plant Growth and Development
Content: This course develops skills in floriculture and the techniques used to develop and complete a variety of retail items normally sold in a retail florist business. The skills learned are necessary to gain and maintain employment in the retail florist industry.
**Natural Resources Pathway**

Students are scheduled for half-days when they travel and take classes at a CTE center. Most often, students must take two CTE classes to create a half-day schedule unless the class is a two-period long class. For full details, see the course description for each class. It is highly recommended that students participate in the FFA student organization and Supervised Agricultural Experiences (SAE) projects.

**RECOMMENDED COURSE SEQUENCE –**
The ✓ symbol indicates required classes; ☀ indicates concurrent credit.

### 9th Grade: home high school courses
- Personal Skills Development (1 credit semester class)
- Introduction to Animal Science (1 credit semester class)
- ✓ Introduction to Plant Science (1 credit semester class)

### 10th Grade: home high school courses
- Zoology/Animal Science (1 credit semester class)
- ✓ Botany/Plant and Soil Science (1 credit semester class)

### 11th Grade: CTE Center – Meridian Campus
- ✓ Natural Resources I A & B (2 credit full year class)
- Adv. Leadership in Ag & Marketing (1 credit semester class)
- Consumer Economics/Ag Business (1 credit semester class)

### 12th Grade: CTE Center – Meridian Campus
- ✓ Natural Resources II A & B (2 credit full year class)
Natural Resources Pathway

AG 150 - Introduction to Plant Science
Course Number(s): 18053T1010
Open to: 9, 10
Credit: 1 (1 period, 1 semester)
Prerequisite: None
Content: A course designed to examine 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.

AG 510 – Botany/Plant & Soil Science
Course Number(s): 18051T1011
Open to: 10, 11
Credit: 1 (1 period, 1 semester)
Prerequisite: Successful completion of Introduction to Plant Science (Students are allowed to take this course concurrently with Intro to Plant Science)
Content: This course examines soil and plant relationships that affect the production of food and fiber. Topics include soil science, plant anatomy, growth, and development; basic plant processes; identification of plants and weed pests; integrated pest management and weed control.

Natural Resources I – CTE Center – Meridian Campus
Course Number(s): 180015T1011
Open to: 11, 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: Successful completion of Botany/Plant & Soil Science
Content: This course will examine human land-use and the interactions between fields of study related to natural resources. Students will learn about forest, prairie/range, and aquatic ecosystems and their management practices by exploring local landscapes.

Natural Resources II – CTE Center – Meridian Campus
Course Number(s): 180015T1012
Open to: 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: Successful completion of Natural Resources I
Content: This interdisciplinary course will investigate the provision of human well-being through relationships between animal science, plant science, and environmental science. Students will evaluate ways in which humans rely on the natural world for the provision of food, fuel, and fiber, as well as for mental and physical health through outdoor recreation. They will also explore how we can continue to enjoy these benefits today and for generations to come.
**Welding/Fabrication Pathway** – CTE Center – Meridian Campus

Students are scheduled for half-days when they travel and take classes at a CTE center. Most often, students must take two CTE classes to create a half-day schedule unless the class is a two-period long class. For full details, see the course description for each class.

It is highly recommended that students participate in the FFA student organization and Supervised Agricultural Experiences (SAE) projects.

**RECOMMENDED COURSE SEQUENCE** –
The ✓ symbol indicates required classes; 🍁indicates concurrent credit.

**9th Grade:**
- Personal Skills Development (1 credit, semester class)
- Introduction to Mechanics (1 credit, semester class)
  *(only taught at Meridian, Mtn. View and Rocky Mountain for 9th graders)*

**10th Grade: (CTE center classes)**
- ✓ Welding I (1 credit, 1st semester class)
- • Intro to Small Gas I (1 credit, semester class)
  ----- AND-----
- ✓ Welding II (1 credit, 2nd semester class)
- • Collision I (1 credit, semester class)

**11th Grade: (CTE center classes)**
- • Advanced Small Gasoline Engines 1 (2 credit, year-long class)
  OR
- • Collision II (2 credit, year-long class)
- • Diesel II (2 credit, year-long class)
- ✓ Welding III (2 credit, year-long class)

**12th Grade: (CTE center classes)**
- • Advanced Small Gasoline Engines 2 (2 credit, year-long class)
- ✓ Welding IV (student can take 1 credit in the Fall and 1-2 credits in the Spring); (1 period, 2 semesters)

Other package classes to take with Welding I/II are: Intro to Mechanics, Auto I, or Diesel Tech I

For each semester a student takes Welding IV for one credit, they must select a package class. A Release period can count for a package class. Other options are: Consumer Econ./Ag Business Econ. or Adv. Leadership in Ag & Marketing. (Please note: to take Welding III/IV concurrently you must seek instructor approval.)
**Welding/Fabrication Pathway**

**AG 210/211 – Welding I A & II B – CTE Center - Meridian Campus**

Course Number(s): 18404T1011, 18404T1021  
Open to: 10 (11th and 12th graders will be eligible if room is available in classes.)  
Credit: 2 (1 period, 2 semesters)  
Prerequisite: None  
Content: This course develops skills in Arc and Oxy-Acetylene welding and the processes that deal with the joining of metal for the agricultural industry. Students must pass an introductory welding and safety exam with a minimum score of 70% before they are allowed in the shop. In the second semester students will learn advanced stick-arc welding; advanced oxy-acetylene welding; MIG welding; TIG welding; metal types and identification; metal surfacing; soldering; and cold metal working.

**AG 231 – Welding III A & B – CTE Center - Meridian Campus**

Course Number(s): 18404T1031, 18404T1032  
Open to: 11 (12th graders will be eligible if room is available and requirements are met.)  
Credit: 2 (1 period, 2 semesters)  
Prerequisite: Successful completion of Welding II B  
Content: This course familiarizes students with basic mechanical theory and skills in the welding Industry as well as engineering and design. Students will be given the opportunity to certify in certain skills in welding and will be expected to learn blueprint reading. This course also develop skills in AUTO CAD drafting, drawing and machine manipulation. Students will learn plasma cutting techniques used in the welding industry. Basic wiring techniques will be emphasized with instruction including ohm’s law, basic circuitry, electric motors, electrical code and irrigation.

**AG 240 – Welding IV A & B – CTE Center - Meridian Campus**

Course Number(s): 18405T1011, 18405T1012  
Open to: 12  
Credit: 1 to 3 credits—student can take 1 credit in the Fall and 1-2 credits in the Spring; (1 period, 2 semesters)  
Prerequisite: Successful completion of Welding III A & B OR instructor approval to take Welding III and IV concurrently.  
Content: This course maintains, evaluates, designs, and builds agriculture structures using approved construction techniques with an emphasis on surveying and building industry materials. This course also covers planning, assembly, and construction of accepted equipment, machinery, and building of projects. It is designed to continue the learning process of structures and welding for the advanced student. Certification: American Welding Society SENSE Level One
Small Gasoline Engines Pathway – CTE Center - Meridian Campus

Students are scheduled for half-days when they travel and take classes at a CTE center. Most often, students must take two CTE classes to create a half-day schedule unless the class is a two-period long class. For full details, see the course description for each class.

It is highly recommended that students participate in the FFA student organization and Supervised Agricultural Experiences (SAE) projects.

RECOMMENDED COURSE SEQUENCE –
The ✓ symbol indicates required classes; ☐ indicates concurrent credit.

9th Grade:
- Personal Skills Development (1 credit, semester class)
- Introduction to Mechanics (1 credit, semester class)
  (only taught at Meridian, Mtn. View and Rocky Mountain for 9th graders)

10th Grade: (CTE center classes)
✓ Introduction to Small Gasoline Engines (1 credit, semester class)
- Welding I (1 credit, semester class)
  -- And —
- Diesel Tech I (1 credit, semester class)
- Welding II (1 credit, semester class)

11th Grade: (CTE center classes)
✓ Advanced Small Gasoline Engines I (2 credit, year-long class)
- Welding III (2 credit, year-long class)
  OR
- Collision II (2 credit, year-long class)
- Diesel II (2 credit, year-long class)

Other package classes to take with Welding I & II, for students who may have taken these classes at their home high schools: Auto Tech I, Intro to Mechanics, and Collision I.

12th Grade: (CTE center classes)
✓ Advanced Small Gasoline Engines II (2 credit, year-long class)
- Welding IV (2 credit, year-long class)

Other options are: Consumer Econ./Ag Business Econ. or Adv. Leadership in Ag & Marketing. Seniors may also package with a Release period.
Small Gasoline Engines Pathway

AG 130 – Introduction to Mechanics – CTE Center - Meridian Campus
(Also taught at Rocky Mountain High School and Mountain View High School)
Course Number(s): 18401T1011
Open to: 9, 10
Credit: 1 (1 period, 1 semester)
Prerequisite: None
Content: A course designed to familiarize the student with the basic mechanical theory and skills. Students will develop skills in the following areas of Carpentry, Electricity, Plumbing, Fencing, Painting and Metal Working. Emphasis will be placed on safety and proper use of tools and equipment.

AG 221 – Introduction to Small Gasoline Engines
(Also taught at Rocky Mountain High School and Mountain View High School)
Course Number(s): 20110T1011
Open to: 10
Credit: 1 (1 period, 1 semester)
Prerequisite: None
Content: This course is designed to develop skills in selection, operation and maintenance of small air-cooled engines. Students are required to pass a safety exam with a 70% or higher. Instruction will include the theory of ignition, carburetion, and compression; use of measuring tools; identification and ordering parts.

AG 223 – Advanced Small Gasoline Engines I A & B – CTE Center - Meridian Campus
Course Number(s): 20110T1021, 20110T1022
Open to: 11, 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: Successful completion of Introduction to Small Gasoline Engines
Content: This course covers the theory of operation along with actual hands on experience. Students will demonstrate applied techniques in the repair and maintenance of 2 and 4 cycle small engines provided by students and the community.

AG 220 – Advanced Small Gasoline Engines II A & B – CTE Center - Meridian Campus
Course Number(s): 20110T1031, 20110T1032
Open to: 12
Credit(s): 2 (1 period, 2 semesters)
Prerequisite: Successful completion of Advanced Small Gasoline Engines I A & B
Content: A course designed to develop skills in selection, operation, and maintenance of small air-cooled engines, multi-cylinder engines, hydraulics, electric motors, and agricultural machinery and tractors. Certification: Stihl Bronze Certification; and optional, Equipment and Engine Training Council (EETC) 4 Stroke Engine Certification.
Summer Classes and Internships

AG 9800 – Occupational and Career Experience (Cooperative Education & Land Laboratories)

Course Number(s): 18998T1011
Open to: 10, 11, 12
Credit: 1
Prerequisite: None
Content: This course is a community based work experience activity organized and planned to develop advanced skills necessary to gain and maintain employment. This course may encompass a broad range of paid/unpaid work experiences related to the career objectives of the student. The experiences must be supervised and monitored by the teacher. (Note: This course must be approved on an individual program basis by the State Division.)

AG 9900 – Occupational & Career Experience (Supervised Agricultural Experiences – SAE & Summer Programs)

Course Number(s): 18998T1021
Open to: 10, 11, 12
Credit: 1
Prerequisite: FFA Membership and must be arranged with instructors
Content: This course is community-based instruction organized and planned to provide specialized skills unique to an occupation or industry. Students are placed in businesses which provide paid on-the-job experience that is related to the student’s primary area of study. The experience must be supervised by the teacher and students must have a training plan.
Automotive Technology Pathway –
CTE Center - Meridian Campus

Students are scheduled for half-days when they travel and take classes at a CTE center. Most often, students must take two CTE classes to create a half-day schedule unless the class is a two-period long class. For full details, see the course description for each class.

RECOMMENDED COURSE SEQUENCE –
The ✓ symbol indicates required classes; ☒ indicates concurrent credit.

9th Grade:
• Introduction to Mechanics (1 credit, semester class)
  (only taught at Meridian, Mountain View and Rocky Mountain for 9th graders)

10th Grade: (CTE center classes)
✓ Automotive Technology I (1 credit, semester class)
• Diesel Tech I (1 credit, semester class)
  --OR--
• Introduction to Mechanics (1 credit, semester class)

11th Grade: (CTE center classes)
✓ Automotive Technology II (4 credit, year-long class)
  (this class runs two-periods long, no package class needed)

12th Grade: (CTE center classes)
✓ Automotive Technology III (4 credit, year-long class)
  (this class runs two-periods long, no package class needed)

Other package classes to take with Auto I are:
Collision I or Intro to Small Gas.
Automotive Technology Pathway

Automotive Technology I – CTE Center - Meridian Campus
Course Number(s): 20103T1011
Open to: 10 (11th and 12th graders will be eligible if room is available in classes.)
Credit: 1 (1 period, 1 semester)
Prerequisite: None
Content: This course provides an overview of the fundamentals of automotive technology including vehicle systems and engine operations. Students are expected to learn the technical names of all vehicle parts including their locations.

Automotive Technology II A & B – CTE Center - Meridian Campus
Course Number(s): 20103T2021, 20103T2022
Open to: 11 (12th graders will be eligible if room is available and requirements are met.)
Credit: 4 (2 periods, 2 semesters)
Prerequisite: Successful completion of Automotive Technology I with a minimum final grade of 70% or higher
Content: As students progress through the coursework, they spend more hands on time applying what they are learning in a state-of-art automotive lab designed to emulate an industry automotive shop. While in the shop, students learn the proper use of tools, safety procedures and shop operations as they work in student groups to diagnose, troubleshoot and fix various vehicle components and systems.

Automotive Technology III A & B – CTE Center - Meridian Campus
Course Number(s): 20103T2031, 20103T2032
Open to: 12
Credit: 4 (2 periods, 2 semesters)
Prerequisite: Successful completion of Automotive Technology II A & B with a minimum final grade of 70% or higher
Transportation: Students will have to provide their own transportation if they receive an internship opportunity.
Content: Students spend the majority of time in a state-of-art shop where they work in small groups of 2-3 students on various makes and models of vehicles. Students are challenged to collaborate on diagnostics and repairs. They learn how to order parts and implement a work order. Coursework includes applied knowledge and practices, which cover a wide range of auto technology skillsets such as knowledge of engine performance and vehicle systems such as computer, fuel, electrical and electronics, cooling, emissions, drive trains, suspension, brakes, security and navigation. Overall, the course focuses on students advancing their knowledge of Automotive Service Excellence (ASE) industry standards. The program is designed to prepare students for an entry level positions and/or postsecondary program success.
Collision Repair Pathway – CTE Center - Meridian Campus

Students are scheduled for half-days when they travel and take classes at a CTE center. Most often, students must take two CTE classes to create a half-day schedule unless the class is a two-period long class. For full details, see the course description for each class.

RECOMMENDED COURSE SEQUENCE –
The ✓ symbol indicates required classes; ☐ indicates concurrent credit.

9th Grade:
- Introduction to Mechanics (1 credit, semester class)
  *(only taught at Meridian, Mtn. View, and Rocky Mountain for 9th graders)*

10th Grade: (CTE center classes)
- ✓ Collision 1 (1 credit, semester class)

**PACKAGE CLASS OPTIONS:**
- Introduction to Small Gasoline Engines (1 credit, semester class)
  OR
- Welding IA/Welding IIB (1 credit, semester classes)
  o IF you choose the Welding option, you must select one more packaged class from the box to the right.

11th Grade: (CTE center classes)
- ✓ Collision Repair II (2 credit, year-long class)
  OR
- ✓ Advanced Small Gasoline Engines I (2 credit, year-long class)
- ✓ Diesel II (2 credit, year-long class)
- ✓ Welding III (2 credit, year-long class)

12th Grade: (CTE center classes)
- ✓ Collision Repair III (4 credit, year-long class)
  *(this class runs two-periods long, no package class needed)*

Other package classes to take with Collision I are: Auto I, Intro to Mechanics, or Diesel Tech I.
**Collision Repair Pathway**

**Collision Repair I – CTE Center - Meridian Campus**
Course Number(s): 20116T1011
Open to: 10 (11th and 12th graders will be eligible if room is available in classes.)
Credit: 1 (1 period, 1 semester)
Prerequisite: None
Content: Students will learn basic skills for entry level employment in the collision repair industry. Areas of emphasis will include: careers in the collision repair trade, shop safety standards, tools used in the shop, bolt on panel replacement, basic panel repair, mixing and applying body fillers, welding and environmental concerns related to the handling of hazardous materials.

**Collision Repair II A & B – CTE Center - Meridian Campus**
Course Number(s): 20116T1021, 20116T1022
Open to: 11 (12th graders will be eligible if room is available and requirements are met.)
Credit: 2 (1 period, 2 semesters)
Prerequisite: Successful completion of Collision Repair I with a minimum final grade of 70% or higher
Content: Students will focus on advanced skill development with hands-on application in the Collision Repair industry. Emphasis will be on employability skills, shop safety standards, computerized paint mixing, identification of automotive bodies, trim accessories, hand written and computerized estimating, body repair, hardware removal and repair, and basic painting and refinishing, buffing and detail. Continued emphasis will be placed on the handling of hazardous materials in the collision repair industry and tools and heavy equipment in a collision repair facility. Students have the opportunity to work on their own vehicles.

**Collision Repair III A & B – CTE Center - Meridian Campus**
Course Number(s): 20116T2033, 20116T2034
Open to: 12
Credit: 4 (2 periods, 2 semesters)
Prerequisite: Successful completion of Collision Repair II A & B with a minimum final grade of 70% or higher
Transportation: Students MUST provide their own transportation if they are selected for an off-campus internship.
Content: Students will focus on advanced skill development with hands-on application in the Collision Repair industry. Areas of emphasis will be panel replacement, computerized paint mixing and matching, waterborne base coat refinishing, plastic bumper repair and refinishing, customer relation skills, estimating, uni-body and full frame repair, and workplace readiness training. Students have the opportunity to work on their own vehicles.
Diesel Technology – CTE Center - Meridian Campus

Students are scheduled for half-days when they travel and take classes at a CTE center. Most often, students must take two CTE classes to create a half-day schedule unless the class is a two-period long class. For full details, see the course description for each class.

RECOMMENDED COURSE SEQUENCE –
The ✓ symbol indicates required classes; ★ indicates concurrent credit.

RECOMMENDED COURSE SEQUENCE – The ✓ symbol indicates required classes.

9th Grade:
- Introduction to Mechanics (1 credit, semester class)
  (only taught at Meridian, Mountain View, and Rocky Mountain for 9th graders)

10th Grade: (CTE center classes)
- ✓ Diesel Tech I (1 credit, semester class)
- ✓ Auto Tech I (1 credit, semester class)
  --OR--
  - Welding IA/Welding IIB (1 credit, semester classes)
    - IF you choose the Welding option, you must select one more packaged class from the box to the right.

11th Grade: (CTE center classes)
- ✓ Diesel Tech II (2 credit, year-long class)
  OR
  - ✓ Advanced Small Gasoline Engines I (2 credit, year-long class)
  - ✓ Collision II (2 credit, year-long class)
  - ✓ Welding III (2 credit, year-long class)

12th Grade: (CTE center classes)
- ✓ Diesel Tech III (4 credit, year-long class)
  (this class runs two-periods long, no package class needed)

Other package classes to take with Diesel Tech I are:
Intro to Mechanics or Collision I or Intro to Small Gas Engines
Diesel Technology Pathway

Diesel Technology I – CTE Center - Meridian Campus
Course Number(s): 20107T1010
Open to: 10 (11th and 12th graders will be eligible if room is available in classes.)
Credit: 1 (1 period, 1 semester)
Prerequisite: None
Content: This is the beginning level course of the diesel technology program. It includes instruction in inspection, maintenance, and repair of tracks, wheels, brakes, operating controls, pneumatic and hydraulic systems, electrical circuitry, engines, and in techniques of welding and brazing. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic diesel applications.

Diesel Technology II A & B – CTE Center - Meridian Campus
Course Number(s): 20107T1011, 20107T1012
Open to: 11 (12th graders will be eligible if room is available and requirements are met.)
Credit: 2 (1 period, 2 semesters)
Prerequisite: Successful completion of Diesel Technology I with a minimum final grade of 70% or higher
Content: This second course in the program is designed to provide students with diesel applications, practice, and knowledge, including diesel-specific diagnostics, service, hydraulic repair, electrical, preventative maintenance inspection (PMI), and brakes. A hands-on approach with extensive training on mock-ups, functional vehicles and equipment will be utilized.

Diesel Technology III A & B – CTE Center - Meridian Campus
Course Number(s): 20107T2013, 20107T2014
Open to: 12
Credit: 4 (2 periods, 2 semesters)
Prerequisite: Successful completion of Diesel Technology II A & B with a minimum final grade of 70% or higher
Transportation: Students will have to provide their own transportation if they receive an internship opportunity.
Content: A course designed to provide students with team work, critical thinking, problem solving, diagnostics, and repairing to industry standards. Diesel-specific diagnostics, service, hydraulic repair, electrical, preventative maintenance inspection (PMI), and brakes. A hands-on approach with extensive training on mock-ups, functional vehicles and equipment will be utilized.
Early Childhood Education – CTE Center - Meridian Campus

Students are scheduled for half-days when they travel and take classes at a CTE center. Most often, students must take two CTE classes to create a half-day schedule unless the class is a two-period long class. For full details, see the course description for each class.

RECOMMENDED COURSE SEQUENCE –
The ✓ symbol indicates required classes; 👜 indicates concurrent credit.

RECOMMENDED COURSE SEQUENCE – The ✓ symbol indicates required classes.

9th Grade:
- Teen Living I & II (1 credit, semester class)

10th Grade: (CTE center classes)
- ✓ Parent & Child Development A & B (2 credit, year-long class)

11th Grade: (CTE center classes)
- ✓ Early Childhood Education (2 credit, semester class)

12th Grade: (CTE center classes)
- ✓ Advanced Early Childhood Education (2 credit, semester class)
Early Childhood Education Pathway

Parenting & Child Development A & B
Course Number(s): 22204T1011, 22204T1012
Open to: 10, 11, 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: None
Content: The purpose of this course is to build a positive understanding of children’s growth and development and a solid foundation of parenting skills. This class includes hands-on work with 3-5 year-old children while running and organizing children’s activities. Students learn about stages of human life—prenatal, infancy, childhood, adolescence, adulthood. Topics include: theories of development and growth, positive guidance and discipline techniques, building strong family relationships, health and safety practices, nutritional needs from birth through childhood, and influences on development and learning. This course is a prerequisite for Early Childhood Education and the Education Assistant programs and a good class for anyone interested in being a teacher, child care provider, nurse, doctor, or parent. It is also a great foundation for students interested in psychology, sociology, and human development. FCCLA (Family, Career, and Community Leaders of America) leadership activities are an integral part of this course.

Early Childhood Education
Course Number(s): 19153T2011
Open to: 11, 12
Credit: 2 (2 periods, one semester)
Prerequisite: Successful completion of Parenting and Child Development with a 70% or above. Application (see home high school counselor) will include high school transcript, attendance record and two letters of recommendation from teachers or employers.
Transportation: Students must provide their own transportation. For those students interested in this course, expect to attend class at Meridian High School.
Content: Early Childhood Education is a course designed to prepare students for employment in entry level positions in the field of early childhood care, education, and related services or for further education in early childhood education. Classroom learning experiences target employability skills, standards and laws, as well as management in early childhood education. Child development and guidance, health and safety, nutrition, and on-the-job training are also emphasized throughout the program. Students must be able to pass a Criminal Background Check.

Advanced Early Childhood Education
Course Number(s): 19153T2011
Open to: 12
Credit: 2 (2 Periods, 1 Semester)
Prerequisite: Successful completion of Early Childhood Education with a 70% or above.
Transportation: Students must provide their own transportation to their off-site center.
Content: This is the capstone course in the Early Childhood Education pathway. Students who take this course will learn business management skills in the early childhood industry, day-to-day operations in a child care center, assist with record-keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. This course also includes an internship with a local early childhood center working with infants, toddlers, or children with special needs. Students will learn Adult, Child, and Infant CPR/First Aid and can earn/renew a CPR certification. Students must be able to pass a Criminal Background Check.
CTE Center – Renaissance Campus
1307 E. Central Drive
Meridian, ID 83642
(208) 350-5051

Construction Magnet
- Residential Construction Pathway

Culinary Arts Magnet
- Culinary Arts Pathway - American Culinary Federation Certified

Health Sciences Magnet
- Certified Nursing Assistant (CNA) Pathway
- Emergency Medical Technician (EMT) Pathway
- Pharmacy Technician Pathway

Pre-Engineering Magnet
- Pre-Engineering Pathway - Project Lead the Way Certified

Police, Fire & Emergency Services Magnet
- Law Enforcement, Detention & Corrections Pathway
- Fire Services & Emergency Services Pathway

For more information about Career & Technical Education (CTE) magnet programs and available shuttle busing, visit www.westada.org/CTE
Construction Magnet

CTE Center - Renaissance Campus
1303 E. Central Drive, Meridian

The Construction Magnet Program, located at the CTE Center - Renaissance Campus, is open to all students in the West Ada School District. Coursework taken in the Construction Magnet leads to postsecondary programs and careers in designing, constructing, and maintaining the built environment.

Suggested Course Sequence

12th Grade
- Residential Construction III
  (Full Year-2 Periods)

11th Grade
- Residential Construction II
  (Full Year-2 Periods)

10th Grade
- Residential Construction I
  (Full Year-2 Periods)

When level II and III classes are taught at construction sites, students may be expected to ride the CTE shuttles provided to and from class depending on site parking.
**Construction Magnet**

**Residential Construction I A & B – CTE Center - Renaissance Campus**
Course Number(s): 17003T2011, 17003T2012  
Open to: 10, 11, 12  
Credit: 4 (full year, 2 periods)  
Prerequisite: None  
Content: This course is an introduction to the construction industry. Students will develop valuable skills through hands-on projects. They will be instructed in the proper and safe use of hand and power tools. They will be introduced to different types of building materials, blueprint reading and construction math. Student will participate in building structures that teach them introductory skills to help them advance in the construction program. Students are expected to wear proper clothing in the lab. Long pants and closed toe shoes or boots are required. Shorts are not allowed.

**Residential Construction II A & B – Course offered at an off-campus construction site**
Course Number(s): 17003T2021, 17003T2022  
Open to: 11, 12  
Credit: 4 (full year, 2 periods)  
Prerequisite: Successful completion of Residential Construction I A & B and successful completion of 10 hour on-line OSHA training course (this will be offered at the beginning of the course)  
Transportation: Students may be expected to ride the CTE shuttles provided to and from class depending on site parking.  
Content: Skills taught include: framing of floor, walls and roof, installation of roofing materials, siding, windows, doors, drywall, cabinets, and painting. Students will engage in solving practical mathematic problems common to the carpentry trade. Leadership development will be provided through SkillsUSA. *Students are expected to wear proper clothing on construction sites. Long pants and closed toe shoes or boots are required. Shorts are not allowed.

**Residential Construction III A & B - Course offered at an off-campus construction site**
Course Number(s): 17003T2031, 17003T2032  
Open to: 12  
Credit: 4 (full year, 2 periods)  
Prerequisite: Successful completion of Residential Construction II A & B and successful completion of 10 hour on-line OSHA training course (this will be offered at the beginning of the course)  
Transportation: Students may be expected to ride the CTE shuttles provided to and from class depending on site parking.  
Content: This course presents students with the opportunity to further their construction knowledge on an active job site. Safety, terminology, materials, tools, processes, skills and construction technology are included in the content. Student will have the opportunity to participate in or observe most aspects of residential construction. Emphasis is placed on safety while developing construction knowledge and skills to prepare students for employment in the construction industry. Residential Construction III students will strengthen construction knowledge while getting an opportunity to oversee and coordinate projects. *Students are expected to wear proper clothing on construction sites. Long pants and closed toe shoes or boots are required. Shorts are not allowed.
Culinary Arts Magnet

CTE Center - Renaissance Campus
1303 E. Central Drive, Meridian

The Culinary Arts Magnet, located at the CTE Center - Renaissance Campus, is open to 12th grade students who have completed prerequisite coursework in culinary arts at their home high schools. Students will be provided a guided, practical, in-house experience working at Café Renaissance, a student-run restaurant operation. Students in the program have the opportunity to attain a Ready Set Food Safe and the National Restaurant Association ServSafe Certification.

Suggested Course Sequence

12th Grade

Advanced Culinary Arts
(Full Year -2 periods & Lunch)
CTE shuttles provided to and from the center

11th Grade
(Home High School)

Introduction to Culinary Arts
(Full Year -1 Period)

10th Grade
(Home High School)

Foods & Nutrition
(Semester -1 Period)
**Culinary Arts Magnet**

**Foods & Nutrition**
Course Number(s): 22202T1011
Open to: 10, 11
Credit: 1 (1 period, 1 semester)
Prerequisite: None
Content: This course addresses nutrition, wellness and personal lifestyle. Course content includes: food safety and sanitation, food preparation techniques, meal management skills, nutrition, and career option in nutrition and related fields. This course provides students the opportunity to earn their Ready Set Food Safe Certification. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

**Introduction to Culinary Arts A & B**
Course Number(s): 16055T1011, 16055T1012
Open to: 11, 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: Successful completion of Foods & Nutrition and Ready Set Food Safe Certification
Content: This course is a foundation in professional food preparation with practical application in career opportunities, reinforced basic skills, food safety and sanitation, use of commercial equipment, industrial food preparation, business management, service techniques and employability skills. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

**Advanced Culinary Arts A & B – CTE Center - Renaissance Campus**
Course Number(s): 19998T2011, 19998T2012
Open to: 12
Credit: 4 (2 periods, 2 semesters) **2nd Period through 3rd Period; Lunch Break is included**
Prerequisite: Introduction to Culinary Arts and Ready Set Food Safe Certification. A minimum final grade of 70% must be achieved in the Introduction to Culinary Arts A&B class and a teacher recommendation is needed.
Transportation: **Students are encouraged to participate in a minimum of 8 hours of food industry externships per semester. They must provide their own transportation to these off-site events.**
Content: This course is a guided, practical, in-house experience working in the district’s student-run restaurant operations. Students will have the opportunity to develop skills and perform the duties required of personnel in food and beverage operations found within the restaurant industry. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.
Health Science Magnet

CTE Center - Renaissance Campus
1303 E. Central Drive
Meridian, ID 83642

The Health Science Magnet, located at the CTE Center - Renaissance Campus, is a joint venture with the Idaho State University- Meridian Health Science Center. Coursework leads to postsecondary training and careers in the Health Care Industry. Students will prepare for the Certified Nursing Assistant (CNA), Pharmacy Technician Certification Board (PTCB), and Emergency Medical Training (EMT) Basic Certifications.

Pathway Options and Suggested Course Sequence

12th Grade
- Pharmacy Technician (Full Year-2 Periods)
- EMT Basic (Full Year-2 Periods)
- Health Professions CNA II (Semester-2 Periods)

11th Grade
- Medical Terminology (Semester-2 Periods) **Required**
- Emergency Medical Responder (EMR) (Semester-2 Periods) **Highly Recommended**

10th Grade (Home High School)
- Health Professions (Full Year-1 Period)
**Health Sciences Magnet**

**Health Professions A & B**
- Course Number(s): 14001T1011, 14001T1012
- Open to: 10, 11
- Credit: 2
- Prerequisite: None
- Content: This course is designed for students interested in the Health Careers Pathway or medical field. The course is also the prerequisite to the following upper level courses: 1) Certified Nursing Assistant (CNA), 2) Emergency Medical Technician (EMT), 3) Pharmacy Technician, 4) Medical Terminology, 5) Sports Medicine 2 & 3 and 6) Physical Therapy Aide (PTA). Students will receive a robust overview of the following content areas: the health care industry, medical careers, first aid and CPR, medical terminology, anatomy and physiology, pathophysiology, pharmacology, and basic medical skills. The course will also cover HS Health information. Students will receive the required health education credit for graduation by successfully completing the year-long course and passing the Health EOC.

**Medical Terminology for Health Professions – CTE Center - Renaissance Campus**
- Course Number(s): 14154T2042
- Open to: 11, 12
- Credit: 2 (one semester – 2 periods)
- Prerequisite: Health Professions A & B - This course is required prior to enrolling in Certified Nursing Assistant or Pharmacy Technician and EMT Basic.
- Content: This course presents a study of medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content. All body systems, anatomical reference, pharmacology, and medical specialties will be considered. Emphasis is placed on spelling, definition, usage, and pronunciation.

**Emergency Medical Responder (EMR) – CTE Center - Renaissance Campus**
- Course Number(s): 14055T2010
- Open to: 11, 12
- Credit: 2 (1 semester – 2 periods)
- Prerequisite: Successful completion of Health Professions A & B with a 70% or above.
- Content: This course is designed to introduce students to the field of Emergency Medical Services (EMS). The primary focus of the Emergency Medical Responder (EMR) is to initiate immediate lifesaving care to critical patients who access the emergency medical system. EMRs possess the basic knowledge and skills necessary to provide lifesaving interventions while awaiting additional EMS response, and to assist higher level personnel on the scene and during transport. Emergency Medical Responders perform basic interventions with minimal equipment. Students should be prepared to participate in class lecture, discussions and hands-on skills. Physical requirements include the ability to lift, move, bend and kneel. Students will be certified in BLS healthcare provider CPR during this course. *(It is not required, but highly recommended that you take this course before taking EMT Basic.)*
Health Professions CNA II – CTE Center - Renaissance Campus
Course Number(s): 14051T2011
Open to: 12
Credit: 2 (one semester – 2 periods)
Prerequisite: Successful completion of Health Professions A & B and Medical Terminology. Students are required to meet the clinical regulations of the assigned clinical sites. This may include proof of immunizations, flu shot, TB test, and a criminal background check. For students who do not pass the background check, a parent meeting will be called and an alternate placement will be determined.
Transportation: Students MUST provide transportation for the clinical component of this course.
Content: This course is designed to prepare students for beginning employment as nursing assistants in long-term care facilities, hospitals, and other settings. Successful completion of the course qualifies the student to test for the National Nurse Aide Assessment Program (NNAAP) exam and to obtain the Certified Nursing Assistant (CNA) certification. (Students are responsible for the cost of this exam.) Content includes medical terminology, basic anatomy and physiology, communication, infection control, growth and development, CPR, care of the patient, and assisting as a member of the health care team. Students are required to dress appropriately. Scrubs will be provided and clean shoes are the responsibility of students. Students should be prepared to attend off-site clinical experiences and adjusted class times to meet the state required 120 hours of instruction and clinical time. This course does not meet district graduation requirements for Health.

EMT- Basic A & B – CTE Center - Renaissance Campus
Course Number(s): 14055T2011, 14055T2012
Open to: 12
Credit: 4 (full year – 2 periods)
Prerequisite: Successful completion of Medical Terminology and either Fire Services I A & B or Health Professions A & B. Please note: Fire students need to refer to the suggested course sequence chart that shows the EMT magnet options.
Transportation: Students MUST provide their own transportation when participating in off-campus activities.
Content: This course is an introduction to pre-hospital care at the basic life support level. This is the entry level for working on an ambulance. At the conclusion of this course, students will be prepared and eligible to take the National Registry Exam. This includes a comprehensive written and skills exam. Students should be prepared to participate in class lecture, discussions and hands-on skills. Physical requirements include the ability to lift, move, bend, and kneel. The course covers a wide variety of traumatic injuries and medical problems that may be encountered in the pre-hospital environment. Students will receive BLS CPR at the beginning of the course. Students who OPT to participate in either EMT ride-alongs and/or EMT clinical experiences will need to provide proof of immunizations and health insurance. These are optional activities.
**Pharmacy Technician A & B – CTE Center - Renaissance Campus**

Course Number(s): 14197T2011, 14197T2012

Open to: 12

Credit: 4 (full year – 2 periods)

Prerequisite: Successful completion of Health Professions A & B, HS Math II A & B and Medical Terminology. Chemistry is highly recommended. Students must qualify with the instructor in order to be placed in an externship. Students will be given alternate assignments if they do not qualify.

Transportation: Students **MUST** provide transportation for externship at a local pharmacy.

Content: This course represents the heart of the ADA-CTE Center’s Health Science Pathway. It prepares the student for a career as a Certified Pharmacy Technician (CPhT). The program also provides exposure to requirements for the Doctorate of Pharmacy degree and/or other Health Care careers. The course utilizes an ACPE-accredited (American Council of Pharmacy Educators) on-line *Pass Assured Pharmacy Technician Training* Module which prepares the student to sit for the Pharmacy Technician Certification Board’s national PTCB Exam. The topics taught are: Medical Math/Terminology, Anatomy and Physiology, Disease States, and Pharmacology. Professionalism and Customer Service, as well as Medical Ethics and Pharmacy Law. Students gain practical lab skills through training at the ISU-Meridian Health Service Center’s college facility and a state-of-the-art compounding lab. This is taught under the supervision of an ISU Pharmacy faculty member. An Externship occurs in the second semester under a preceptor pharmacist in a local pharmacy. **Students placed in an externship and/or planning to sit for the PTCB National Exam are responsible for the following:**

**Externship Fees:**
- Board of Pharmacy Technician-In-Training License ($35) *exact price will be set by certifying agency*
- Fingerprinting and Background Check ($42) *exact price will be set by certifying agency*

**PTCB National Exam Fee:** ($129) *exact price will be set by certifying agency*
The Police, Fire & Emergency Services Magnet, located at the CTE Center - Renaissance Campus, prepares students for careers in law enforcement, detention, corrections, fire-fighting. Another option for Fire Service students is to also pursue emergency medical services training. Those options are highlighted on the following page. See Fire Services EMT Magnet Options.

Pathway Options and Suggested Course Sequence

**Law Enforcement, Detention & Correction**

**12th Grade**

- Law Enforcement, Detention and Corrections II
  (Full Year-2 Periods)

**11th Grade**

- Law Enforcement, Detention and Corrections I
  (Full Year-2 Periods)

**10th Grade**

- Orientation to Police, Fire & Emergency Services
  (Semester-2 Periods)

**Fire Fighting *EMT Options (see next page)**

- Fire Service I
  (Full Year-2 Periods)

- Fire Service II
  (Full Year-2 Periods)
Fire Services EMT Magnet Options

CTE Center - Renaissance Campus
1303 E. Central Drive, Meridian, ID 83642

Credits are granted through College of Southern Idaho (CSI). The total number of credits are determined annually. See CTE instructor for complete details.

**Technical-College Credit EMT Option**
(Students must pass all courses below to earn credits.)

- **12th Grade**
  - EMT Basic  
    (Full Year-2 Periods)

- **11th Grade**
  - Medical Terminology  
    (Semester-2 Periods)
  - Fire Service I  
    (Full Year-2 Periods)

- **10th Grade**
  - Health Professions A & B  
    (Full Year-1 Period)
  - Orientation to Police, Fire & Emergency Services  
    (Semester-2 Periods)

**Non-Technical College Credit EMT Option**

- **12th Grade**
  - EMT Basic  
    (Full Year-2 Periods)

- **11th Grade**
  - Fire Service I  
    (Full Year-2 Periods)

- **10th Grade**
  - Orientation to Police, Fire & Emergency Services  
    (Semester-2 Periods)
Police, Fire and Emergency Services Magnet

Orientation to Police, Fire & Emergency Services – CTE Center - Renaissance Campus
Course Number(s): 15001T2011
Open to: 10, 11 (12th graders will be eligible if room is available in classes.)
Credit: 2 (semester, 2 periods)
Prerequisite: None
Content: Fitness readiness is a requirement of this course. Course work topics include: Ethics and Professionalism, Introduction to Report Writing, Introduction to Criminal Justice, Introduction to Law Enforcement, Fire Fighting, Introduction to Emergency Medical Services, First Aid, CPR Training, and the National Incident Management System (NIMS). This program is designed to simulate recruit academies for the Law Enforcement and Fire Service. Students will be held to a professional standard that includes ethical decision making, respect, and self-discipline. During simulated drills, students will learn how to react to stressful situations as if they were on-scene of an incident.

Law Enforcement, Detention & Corrections Pathway

Law Enforcement, Detention & Corrections I A & B – CTE Center - Renaissance Campus
Course Number(s): 15051T2011, 15051T2012
Open to: 11, 12
Credit: 4 (full year, 2 periods)
Prerequisite: Successful completion of Orientation to Police, Fire & Emergency Services with a minimum final grade of a 70% or higher
Transportation: Students must provide their own transportation for the few off-site training opportunities.
Content: This course goes into more depth in law enforcement, detention, and corrections. Students will be introduced to the various laws, self-defense, collision investigation, homeland security, emergency water safety, drill and ceremony. Students will participate in field trips, outside of class practicum experiences, and complete a junior-level project. This program is designed to simulate recruit academies for the Law Enforcement. Students will be held to a professional standard that includes ethical decision making, respect, and self-discipline. During simulated drills, students will learn how to react to stressful situations as if they were on-scene of an incident.

Law Enforcement, Detention & Corrections II A & B – CTE Center - Renaissance Campus
Course Number(s): 15099T2011, 15099T2012
Open to: 12
Credit: 4 (full year, 2 periods)
Prerequisite: Successful completion of Law Enforcement, Detention and Corrections I A & B
Transportation: Students must provide their own transportation for the few off-site training opportunities.
Content: This course covers the following topics: Practical Procedures, Applied Law, Detention Procedures, Investigative Procedures, Human Relations and Communications, Fitness Readiness, Advanced Practicum and Report Writing. Students will be required to maintain a fitness log and complete a senior-level project. This program is designed to simulate recruit academies for the Law Enforcement. Students will be held to a professional standard that includes ethical decision making, respect, and self-discipline. During simulated drills, students will learn how to react to stressful situations as if they were on-scene of an incident.
Fire Fighting & Emergency Services Pathway

Fire Service I A & B – CTE Center - Renaissance Campus
Course Number(s): 15199T2011, 15199T2012
Open to: 
Credit: 4 (full year, 2 periods)
Prerequisite: Successful completion of Orientation to Police, Fire & Emergency Services with a minimum final grade of a 70% or higher
Transportation: Students MUST provide their own transportation for the few off-site training opportunities such as ride alongs, trainings, and events with both the Meridian and Nampa Fire Departments.
Content: This course will cover many of the skills required for entry-level firefighters (both career and volunteer) as well as other occupations within the Fire Service. Students will train using real fire gear (bunker pants, jacket, gloves, hoods, SCBAs, etc.) using the National Fire Protection Agency guidelines. Students will also explore various career opportunities within the Fire Service, practice job applications skills, fitness preparedness, and first aid training. Topics included: Health & Safety, Personal Protective Equipment, Fire Behavior, Building Construction, Portable Extinguishers, Ropes & Knots, Forcible Entry, Ventilation, Water Supply, Fire Controls, Alarms, Loss Control, Protecting Evidence, Fire Department Communications, Prevention & Public Education, and Hazardous Materials. Students will participate in field trips, outside of class practicum experiences and complete a junior level project. This program is designed to simulate recruit academies for Fire Service. Students will be held to a professional standard that includes ethical decision making, respect, and self-discipline. During simulated drills, students will learn how to react to stressful situations as if they were on-scene of an incident.

Fire Service II A & B – CTE Center - Renaissance Campus
Course Number(s): 15199T2021, 15199T2022
Open to: 
Credit: 4 (full year, 2 periods)
Prerequisite: Successful completion of Fire Service I A & B
Transportation: Students MUST provide their own transportation to their externship.
Content: This course will develop skills needed and required for students planning to begin a career in the Fire Service. Students will continue developing the knowledge base and soft skills required for a successful career in the Fire Service and explore and develop fire service administration skills and competencies. Given the opportunity, students will complete an outside of class externship with a local fire service agency (approved by instructor) and prepare for and teach sections of the Fire Service I A & B course in cooperation with instructor. Students will complete multiple senior level projects. This program is designed to simulate recruit academies for Fire Service. Students will be held to a professional standard that includes ethical decision making, respect, and self-discipline. During simulated drills, students will learn how to react to stressful situations as if they were on-scene of an incident.
The Pre-Engineering Magnet, located at the CTE Center - Renaissance Campus, is a Project Lead The Way® National Certified School that prepares students for careers in engineering and engineering technologies. The Project Lead The Way® curriculum has been identified by the National Academy of Sciences, National Academy of Engineering, and Institute of Medicine as the “world-class model” for improving America’s K-12 science and mathematics education.

**Suggested Course Sequence**

- **12th Grade**
  - Aerospace Engineering (1st Semester-2 Periods)
  - Engineering Design & Development (2nd Semester-2 Periods)

- **11th Grade**
  - Computer Integrated Manufacturing (Semester-2 Periods)
  - Digital Electronics (Semester-2 Periods)
  - Civil Engineering & Architecture (Full Year-2 Periods)

- **10th Grade**
  - Principles of Engineering (Full Year-1 Period)

- **9th Grade**
  - Introduction to Engineering Design (Full Year-1 Period)
Pre-Engineering Magnet

Introduction to Engineering Design A & B
Course Number(s): 21006T1011, 21006T1012
Open to: 9, 10
Credit: 2 (full year-1 period)
Prerequisite: None
Content: In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

Principles of Engineering A & B
Course Number(s): 21004T1011, 21004T1012
Open to: 10, 11
Credit: 2 (full year-1 period)
Prerequisite: Successful completion of Introduction to Engineering Design and concurrent enrollment in HS Math II A & B or above.
Content: This survey course of engineering exposes students to some of the major concepts they will encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges such as a solar/hydrogen hybrid car, a bridge truss, and a projectile motion device. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.

Computer Integrated Manufacturing – CTE Center - Renaissance Campus
Course Number(s): 21010T2021
Open to: 11, 12
Credit: 2 (semester-2 periods)
Prerequisite: Successful completion Principles of Engineering A & B. Students must be concurrently enrolled in HS Math II or above. Digital Electronics is highly recommended.
Content: The major focus of this course is to answer questions such as: How are things made? What processes go into creating products? How do assembly lines work? How has automation changed the face of manufacturing? As students find the answers to these questions, they learn about the history of manufacturing, a sampling of manufacturing processes, robotics and automation. The course is built around several key concepts: computer modeling, Computer Numeric Control (CNC) equipment, Computer Aided Manufacturing (CAM) software, robotics and flexible manufacturing systems.

Digital Electronics – CTE Center – Renaissance Campus
Course Number(s): 21008T2012
Open to: 11, 12
Credit: 2 (semester-2 periods)
Prerequisite: Successful completion of Principles of Engineering A & B. Students must be concurrently enrolled in HS Math II or above. Computer Integrated Manufacturing is highly recommended.
Content: This course is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logical design, programmable logic teamwork, communication methods, engineering standards and technical documentation.
Civil Engineering & Architecture A & B – CTE Center - Renaissance Campus
Course Number(s): 21012T2011, 21012T2012
Open to: 11, 12
Credit: 4 (full year-2 periods)
Prerequisite: Successful completion of Principles of Engineering A & B.
Content: The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

Aerospace Engineering – CTE Center - Renaissance Campus
Course Number(s): 21015T2011
Open to: 12
Credit: 2 (1st semester-2 periods)
Prerequisite: Successful completion of Digital Electronics A & B and/or Computer Integrated Manufacturing A & B, or Civil Engineering & Architecture A & B.
Content: The major focus of this course is to expose students to the world of aeronautics and aerospace engineering and related areas of study. Lessons and projects engage students in engineering design problems related to evolution of flight, physics of flight, flight simulation, propulsion, rocketry, space travel, aerospace structures and materials, flight and space physiology, remote sensing and robotics. In addition, students use 3D design software to help design solutions to proposed problems. Students design intelligent vehicles to learn about documenting their project, solving problems and communicating their solutions to their peers and members of the professional community.

Engineering Design & Development – CTE Center - Renaissance Campus
Course Number(s): 21007T2012
Open to: 12
Credit: 2 (2nd semester-2 periods)
Prerequisite: Successful completion of Digital Electronics and/or Computer Integrated Manufacturing, or Civil Engineering & Architecture A & B. Students must be concurrently enrolled in HS Math III A & B or above.
Content: This capstone course allows students to design a solution to a technical problem of their choosing. This is an engineering research course in which students research, design, test and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide and help the team to reach a solution to the problem. Students create presentations to their solutions. The EDD course allows students to apply all the skills and knowledge learned in previous engineering courses. This course also engages students in time management and teamwork skills, a valuable set for students in the future. Students in Engineering Design and Development are responsible for obtaining supplies specific to their group projects. Students are encouraged to seek out donations and/or recycled parts that can be used in completing their projects.
CTE Center - Centennial Campus
12400 W. McMillan
Boise, ID 83713
(208) 855-4250

Computer Sciences Magnet

Web Design Pathway
- Web Design I
- Web Design & Development
- Database Design & Programming
- Advanced Web Design & Development

Programming Pathway
- Exploring Computer Science
- AP Computer Science Principles
- AP Computer Science
- Advanced Computer Science

For more information about Career & Technical Education (CTE) magnet programs and available shuttle busing, visit www.westada.org/CTE
## Computer Sciences Magnet

**CTE Center - Centennial Campus**  
**Centennial High**  
**12400 W. McMillan – Boise, ID 83713**

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<tr>
<th>Course Sequence</th>
<th>Programming Pathway*</th>
<th>Web Design Pathway*</th>
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<tbody>
<tr>
<td><strong>12th Grade</strong> (Travel to CHS)</td>
<td>Advanced Computer Science A &amp; B (1 year)</td>
<td>Advanced Web Design &amp; Development A &amp; B (1 year)</td>
</tr>
<tr>
<td><strong>11th Grade</strong> (Travel to CHS)</td>
<td>AP Computer Science A &amp; B (1 year)</td>
<td>Database Design &amp; Programming A &amp; B (1 year)</td>
</tr>
<tr>
<td><strong>10th Grade</strong> (Travel to CHS)</td>
<td>AP Computer Science Principles A &amp; B (1 year)</td>
<td>Web Design &amp; Development A &amp; B (1 year)</td>
</tr>
<tr>
<td><strong>9th Grade</strong> (Home High School)</td>
<td>Exploring Computer Science (1 semester)</td>
<td>Web Design I (1 semester)</td>
</tr>
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</table>

* Programming and Web Design pathways are packaged together for traveling students. For students who do not wish to take both pathway classes concurrently, plan to take a core class or a release at CHS as your package class since students travel for half-days (CTE shuttles are provided to and from the center.)
**Exploring Computer Science**

Course Number(s): 10012T1011  
Open to: 9, 10  
Credit: 1 (1 period, 1 semester)  
Prerequisite: Successful Completion of Math 1 A-B or concurrently enrolled.  
Content: This course is a survey of computer technologies. This course may include computer history, ethics of computer and network use, basic web design, introduction to graphics and animation, survey of computer hardware and operating systems, basic networking information, and basic programming principals.

**Web Design I**

Course Number(s): 12003T1021  
Open to: 9, 10  
Credit: 1 (1 period, 1 semester)  
Prerequisite: Successful Completion of Math 1 A-B or concurrently enrolled.  
Content: This course covers the language of the World Wide Web. Students will learn to create and publish web pages, using web graphics and languages such as HTML, CSS, and JavaScript. The final project will be the creation of an entire original website which could be published on the Internet.

**Web Design & Development A & B - CTE Center - Centennial Campus**

Course Number(s): 10201T1011, 10201T1012  
Open to: 10, 11, 12  
Credit: 2 (1 period, 2 semesters)  
Prerequisite: Successful completion of Web Design I  
Content: Web Design & Development continues where Web Design I ended, and students will learn how to make a variety of creative and valuable web sites with the new and exciting features offered by HTML 5, CSS 3, and JavaScript. We will also learn how to make highly interactive websites using techniques not covered in Web Design I, including an introduction to the server-side language PHP, as well as the mySQL database. Both of these are the foundation for websites that involve e-commerce, blogs, social media, and similar websites that are very modern, fun, and valuable for individuals, companies and organizations.

**AP Computer Science Principles A & B – Advanced Placement - CTE Center - Centennial Campus**

Course Number(s): 10157T1011, 10157T1012  
Open to: 10, 11  
Credit: 2 (1 period, 2 semesters)  
Prerequisite: Exploring Computer Science  
Content: This AP course introduces students to the central ideas of computer science. It involves seven big ideas of computer science, including Creativity, Abstraction, Data & Information, Algorithms, Programming, Internet Connectivity, and Global Impact. The first big idea, Individual Creativity is highly emphasized throughout the course. AP credit can be earned by taking and passing a multiple choice College Board exam in May.
**AP Computer Science A & B – Advanced Placement - CTE Center - Centennial Campus**

Course Number(s): 10158E1011, 10158E1012
Open to: 11, 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: AP Computer Sciences Principles A & B
Content: Object-oriented programming taught through Java. Topics covered: program design and documentation, problem solving techniques, polymorphism, derived classes, AP Case Study, strings, recursion, arrays, 2D arrays, sorting, inheritance, Boolean algebra, object reference variables, file IO and Big O, AP Case Study, linked lists, stacks, queues, trees, & common algorithms (recursion, searching and sorting). Students who complete A & B will be eligible to take the AP Computer programming test in May.

**Database Design & Programming A & B - CTE Center - Centennial Campus**

Course Number(s): 10201T1021, 10201T1022
Open to: 11, 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: Web Design & Development A & B
Content: A "database" is how a business organizes all of its data about employees, customers, students, patients, inventory, and all of the many other things that must be tracked. Students in this course will learn how to design and create databases such as MySQL, including both the creation of the database and its optimization using Entity Relationship Diagrams and Normalization. Students will also learn how to access the database on the server using the PHP programming language, and how to extract information from the database using the SQL language. This course is the 3rd course in a 4 year sequence of education for LAMP "full stack" website development. The 9th and 10th grade classes prepare front-end (client) skills of HTML 5, CSS 3, and JavaScript family languages, while this class and the 12th grade class prepares students for the back-end (server) skills. At the completion of this course, students will have the highly valuable skills needed to design, create, program, maintain, and use a database for a small organization or business, and after the 12th grade class students will be highly capable full-stack developers ready for college or career.

**Advanced Computer Science A & B - CTE Center - Centennial Campus**

Course Number(s): 10152T1021, 10152T1022
Open to: 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: AP Computer Science A & B
Content: This capstone class extends all of the topics learned in the grade 9-11 classes, adding more depth, more teamwork, and more individual R&D. We will have four major units of study, each requiring about one quarter (9 weeks) of our school year: 1. Computer Networks: Cybersecurity 2. Computer Electronics: Microcomputers, Microcontrollers & Internet of Things 3. Computer Programming: Android Apps created with Java 4. Computer Controlled Manufacturing: 3D Printers, CNC Machines, & Robotics About 75% of each module will be fundamentals taught step-by-step to every student in the class, followed by about 25% as a unit research project by either individual students or small teams of students. We will also have an overall research project, following nationally recognized rigorous procedures for formal R&D (e.g., Intel Science & Technology rules) to make sure our students are very well prepared for college or career.

**Advanced Web Design & Development A & B - CTE Center - Centennial Campus**

Course Number(s): 10201T1031, 10201T1032
Open to: 12
Credit: 2 (1 period, 2 semesters)
Prerequisite: Database Design & Programming A & B
Content: This advanced course will enable to students to build a complete website for a small business. Students will start with a core website involving HTML 5, CSS 3, and JavaScript. Students will then add PHP server side programming to interface with a MySQL database. The resulting website could be used, for example, for e-commerce with catalogs and shopping carts, or a website to manage a small business with inventory, employees, and customers.
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<td>Horticulture II/Science of Plant Growth &amp; Development (Course taught at some Home High Schools)</td>
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<td>Jazz Choir A &amp; B</td>
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