

SHERWOOD HIGH SCHOOL

2017-18 BOWMEN GUIDE



A GREAT PLACE FOR ALL KIDS

Sherwood High School

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Welcome to Sherwood High School...Home of the Bowmen!!!

We are so excited to have you as part of our Bowmen family! Sherwood High School is a special place and our core mission is to help you reach your goals and dreams. We have a long history of success and are consistently rated as one of the top high schools in Oregon for both achievement and graduation rate. Our core academic departments boast an experienced and recognized faculty, a wide array of course offerings to challenge everyone, and an outstanding record of achievement. Sherwood High School offers the largest selection of elective choices in the state. Our expansive elective offerings provide something to interest everyone, including: Agricultural Science, Art, Business, Computers, Engineering, Family and Consumer Science, Metal Fabrication, Music, Physical Education, Spanish, Woodworking, and beyond. We sponsor a full complement of varsity and sub-varsity sports, with numerous league and state titles to our credit. In addition to athletics, we offer over 50 clubs and activities in the hope that all of our students will find something they are passionate about.

This book, the Bowmen Guide, is designed to help you focus your goals and dreams. Our hope is that you can develop a comprehensive four year plan for high school that enables you to pursue those dreams. The information contained in this guide, should allow students and their families to plan and select courses that build toward each student's' post-high school goals. As you use this guide and begin to create your plan, please keep the following points in mind:

- What are your post-high school plans and will your choices help you reach your goals?
 - If you have identified areas of interest or possible career paths, are you taking courses that will help you explore those areas or prepare for those paths?
- Are you taking the most rigorous and challenging courses that you are capable of?
 - For college admission and success in college once you are there, the most important factor is taking the most challenging courses you are capable of while in high school.
- Are you maximizing your ability to earn college credits, while still in high school?
 - Are you taking any dual credit and/or advanced placement courses that give you the ability to earn college credits and better prepare you for success in college?

A part of developing your four-year plan and selecting your courses, is deciding which diploma option to pursue. Students and parents should identify their post-high school goals, current abilities, time commitments, and consider many other factors when selecting their diploma option. Students who pursue the Sherwood Diploma will meet all Oregon graduation requirements, be exposed to a challenging curriculum, and have the opportunity to earn a number of college credits. Students who pursue the Honors Diploma will face a rigorous, challenging curriculum that provides excellent preparation for success in college, and the opportunity to earn 20-40 college credits. Students who pursue the Advanced Honors Diploma, will face a rigorous, challenging, and balanced curriculum that will prepare students for admission to the most competitive universities and the opportunity to earn 40-60 college credits.

Regardless of which choices you make, find what you are passionate about and pursue it with all your might. Go Bowmen!!!

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College Admission Information

Core course requirements vary from state to state, and many of the more selective colleges will want to see a high school record that goes beyond minimum graduation requirements. AP and dual credit courses are a must at the most selective schools. Also, some schools require one year or more of fine/applied arts and three or more years of consecutive second language. Note that many colleges with holistic admissions do not have specific course requirements for admission. **It is the student's responsibility to check the admission requirements of the specific schools they plan to apply to as requirements may change annually.**

The chart below shows minimum course recommendations for a sampling of selective colleges:

| College | English | Math | Science | Social Studies | Language | Notes |
|------------|---------|---|---------------------|----------------|---------------------|--|
| George Fox | 4 yrs | 2 yrs | 2 yrs | 3 yrs | 2 yrs | |
| Linfield | 4 yrs | 4 yrs | 3-4 yrs | 3-4 yrs | 2-4 yrs | |
| OSU | 4 yrs | 3 yrs | 3 yrs | 3 yrs | 2 yrs | |
| U of O | 4 yrs | 3 yrs | 3 yrs | 3 yrs | 2 yrs | Honors College additional documentation required |
| Western | 4 yrs | 3-4 yrs | 3 yrs | 3-4 yrs | 3+ years | Rigor, GPA, application essay |
| UCLA | 4 yrs | 3 yrs | 2 yrs | 2 yrs | 2 yrs (3 preferred) | Calculus recommended and 1 year of fine/applied art required |
| U of W | 4 yrs | 3 or 4 yrs (must include SR year math or Chem/ Physics) | 2 yrs (lab courses) | 3 yrs | 2 yrs | .5 fine, visual/perform art and; .5 academic elective required; Rigor emphasized |
| Willamette | 4 yrs | 4 yrs | 3 yrs | 3 yrs | 3 yrs | 1.0 credit of art/music classes are desirable |

Graduation Requirements and Diploma Options

Sherwood School District requires each student to earn a minimum of 28 units of credit in grades 9 through 12. The information below outlines the requirements for each of our diplomas. All students must meet their Essential Skills in reading, writing, and mathematics.

| Requirements | Sherwood Diploma | Honors Diploma | Advanced Honors Diploma |
|--|--------------------------|--|--|
| English | 4.0 | 4.0 | 4.0 |
| Math | (complete Algebra 2) 3.0 | 4.0 | 4.0 |
| World History | 1.0 | 1.0 | 1.0 |
| US History | 1.0 | 1.0 | 1.0 |
| Economics | 0.5 | 0.5 | 0.5 |
| Government | 0.5 | 0.5 | 0.5 |
| Social Science Selective | | 0.5 | 0.5 |
| Science | 3.0 | 4.0 | 4.0 |
| Health | 1.0 | 1.0 | 1.0 |
| Computer Technology | 1.0 | 1.0 | 1.0 |
| Physical Education | 1.0 | 1.0 | 1.0 |
| CTE/Arts/Second Language | 3.0 | 3.0** | 3.0** |
| Career (Advisory/Naviance) | 0.5 | 0.5 | 0.5 |
| Electives | 8.5 | 6.0 | 6.0 |
| TOTALS | 28.0 | 28.0 | 28.0 |
| * In order to graduate, all students must demonstrate the Essential Skills of Reading, Writing, and Mathematics. | | Minimum 3.5 GPA or above P/F courses do not count | Minimum 3.5 GPA or above P/F courses do not count |

Honors Diploma

***Updated in Synergy Fall of Junior Year**

In order to earn an Honors Diploma, students must meet the requirements listed above in the Honors column, complete through two years of a second language, AND are required to challenge themselves by taking (and completing) one Advanced Placement or Dual Credit course in each of the following areas:

1. English or Social Studies (one between the two content areas)
2. Math or Science (one between the two content areas)
3. Elective or additional core area (one more in any area)

Advanced Honors Diploma

***Apply Fall of Senior Year**

In order to earn an Advanced Honors Diploma, students must meet the requirements listed above in the Advanced Honors column, complete through two years of a second language, AND are required to challenge themselves by taking (and completing) one Advanced Placement or Dual Credit course in each of the following areas:

1. English (Composition 2/Writing 121, or AP English)
2. Social Studies (AP US History, AP European History, or Archaeology & Prehistory)
3. Math (Trigonometry & Pre-Calculus, AP Statistics, or AP Calculus)
4. Science (Anatomy & Physiology, AP Biology, AP Chemistry, or AP Physics)

Two Additional AP or Dual Credit courses (see AP and DC course lists)

** 2.0 of the CTE/Arts/Second Language requirement must be Second Language

Advanced Placement (AP) Course Information

Advanced Placement courses are designed to provide students with a rigorous and challenging curriculum that prepares students for college coursework. These courses require advanced skills and additional study demands outside of the classroom (approximately 5 hours per week). It is strongly recommended that students discuss their plans with their current teacher to ensure they are prepared to be successful in the course. If students are unsure of how an AP course may fit into their four-year plan and post-high school goals, they may also want to meet with their counselor.

Most Advanced Placement courses are three trimesters and students should understand the year-long commitment they are making. Students are required to take the Advanced Placement Exam for their class in the spring in order to receive “Advanced Placement” credit on their transcript. There is a fee for taking the AP Exam and registration for the exam will be discussed in the course.

Students can receive college credit by scoring well on the AP Exam. The scores required and number of credits granted vary by college or university. Some AP courses are also Dual Credit and students may receive college credit for earning a “B” or better.

The Advanced Placement courses that Sherwood High School offers are reflected in the chart below: (* = also a dual credit course)

| SHERWOOD HIGH SCHOOL ADVANCED PLACEMENT COURSES | HS Credits |
|--|-------------------|
| AP English | 1.5 |
| AP European History | 1.5 |
| AP United States History | 1.5 |
| AP Biology * | 1.5 |
| AP Chemistry | 1.5 |
| AP Physics | 1.5 |
| AP Probability & Statistics | 1.5 |
| AP Calculus AB * | 1.5 |
| AP Calculus BC * | 1.0 |
| AP Art | 1.5 |
| AP Spanish | 1.5 |
| AP Computer Science | 1.0 |

College credits earned through AP Exams vary by institution

Dual Credit Course Information

Dual Credit courses are designed to provide students with exposure to college level work and the ability to earn college credit. It is strongly recommended that students discuss their plans with their current teacher to ensure they are prepared to be successful in a dual credit course. If students are unsure of how a Dual Credit course may fit into their four-year plan and post-high school goals, they may also want to meet with their counselor. Students will register for the college credits during class time.

The Dual Credit courses that Sherwood High School offers are reflected in the chart below:

| DUAL CREDIT COURSES | HS Credits | College | Course | Possible College Credits |
|-----------------------------------|-------------------|----------------|------------------------|---------------------------------|
| Advanced Metal Fabrication | 0.5 | PCC | WLD 271 | 3 |
| Anatomy & Physiology | 1.0 | PCC | BI 121, 122 | 8 |
| AP Biology | 1.5 | PCC/LBCC | BI 101,102,103 | 12 |
| AP Calculus AB | 1.5 | PCC | MTH 251, 252 | 9 |
| AP Calculus BC | 1.0 | PCC | MTH 253 | 5 |
| Archaeology | 0.5 | PCC | ATH 102 | 4 |
| Bowmen House 1 | 0.5 | PCC | BCT 106 | 3 |
| Bowmen House 2 | 1.5 | PCC | BCT 120, 121 | 6 |
| Bowmen House 3 | 1.5 | PCC | BCT 244 | 2 |
| Composition 2/Writing 121 | 0.5 | PCC | WR 121 | 4 |
| Computer Applications: MO | 0.5 | PCC | CAS 133 | 4 |
| Computer Science Digital Graphic | 0.5 | PCC | CAS 118 | 3 |
| Computer Science/Java | 0.5 | PCC | CIS 133J | 4 |
| Engineering 1 | 0.5 | PCC | MCH 296A CADD 160 | 5 |
| Engineering 2 | 0.5 | PCC | MCH 291, 292, ENGR 100 | 3.5 |
| Engineering 3 | 0.5 | PCC | CADD 175, CADD 160 | 7 |
| Engineering 4, 5 | 0.5 | PCC | MCH 290, 291, 297A | 4 |
| Furniture & Cabinetry | 0.5 | PCC | BCT 106 | 3 |
| Intro. to Welding | 0.5 | PCC | WLD 111 | 4 |
| Plant/Greenhouse | 1.0 | PCC | LAT 106, 109 | 7 |
| Spanish 4 | 1.5 | CCC | SPA 201, 202, 203 | 12 |
| StRUT | 0.5 | PCC | CIS 145 | 4 |
| Trigonometry & Pre-Calc. | 1.0 | PCC | MTH 111,112 | 10 |
| Welding 2 | 0.5 | PCC | WLD 112 | 4 |
| | | | | |
| OUTSIDE PROGRAM | HS Credits | College | Course | College Credits |
| World of Speed Automotive Program | 1.0 | CCC | AM 100, 121 | 6 |

Paths of Study

High school and college graduates in today's society have a variety of career options available to them. Below is a list of possible career pathways and some of the classes offered at Sherwood High School that may be helpful or of interest. By no means is this a comprehensive list of careers or possible classes; students should seek advice from their counselor if they have further questions.

Health/Medical Field

4 years of Math with AP
Writing 121 or AP English
4 years of Science with AP (Biology/Chemistry)
4 years of Social Science (w/ Psychology)
Anatomy & Physiology
Health
Athletic Training

Education

Writing 121 or AP English
4 years of Math with Trig/Pre-Calc or above
4 years of Social Science with AP
Skills Center Peer Tutor
Cadet Teacher
AP Spanish
Child Development

Manufacturing/Production

Intro to Agricultural Science & Technology
Advanced Horticulture
StRUT
Architecture 1, 2, 3 & 4
4 years of Math with Trig/Pre-Calc or above
Furniture & Cabinetry
Bowmen House 1, 2, & 3
Imagine, Design & Build It

Engineering

4 years of Science with AP Physics
4 years of Math with AP Calculus
Writing 121 or AP English
Engineering 1, 2, 3, 4, & 5
AP Spanish
Computer Science Software Engineering

Business

Writing 121 or AP English
4 years of Math with AP Statistics
4 years of Social Science with AP
Marketing 1 & 2
Accounting
Personal Financial Management
Financial Management
Advanced Business Procedures
Business/Personal Law
Entrepreneurship & Small Business Management
Computer Science Microsoft Office

Computers/Graphic Design

4 years of Math with Trig/Pre-Calc or above
Writing 121 or AP English
Photography 1 & 2
Drawing 1 & 2
Computer Science Digital Graphic Design
Computer Science Microsoft Office
Computer Science Projects
Computer Science Software Engineering
Imagine, Design & Build It

Course Load by Year

FRESHMAN

| Subject | Credit | Freshmen will be placed into their core classes based on results from testing during 7 th and 8 th grade. They are encouraged to begin taking Spanish, if they have not yet begun in middle school, as well as to sample several of SHS's elective offerings. |
|---------------|-------------|---|
| English | 1.0 | |
| Math | 1.0 | |
| Science | 1.0 | |
| World History | 1.0 | |
| PE | 1.0 | |
| Electives | 2.5 | |
| Total | 7.5* | |

SOPHOMORE

| Subject | Credit | Sophomores begin to experience some choice with which core classes they take. Decisions should revolve around which diploma students are hoping to earn upon graduation. This is the year many students begin taking an AP or dual credit course. With the remaining elective courses, students should continue to explore possible interests. |
|--------------|-------------|--|
| English | 1.0 | |
| Math | 1.0 | |
| Science | 1.0 | |
| US History | 1.0 | |
| Health | 1.0 | |
| Electives | 2.5 | |
| Total | 7.5* | |

JUNIOR

| Subject | Credit | During the junior year, most students use elective slots to explore paths of study and advanced level courses. Students pursuing an Honors or Advanced Honors diploma should seek out AP and Dual Credit courses in various subject areas. Standardized testing is a top priority in the junior year, as students will take state assessments and the ACT. |
|--------------|-------------|--|
| English | 1.0 | |
| Math | 1.0 | |
| Science | 1.0 | |
| Electives | 4.5 | |
| Total | 7.5* | |

SENIOR

| Subject | Credit | Much like the junior year, most seniors choose to fill up their elective slots with courses that prepare them for their post-high school aspirations. Students must pay close attention to courses and credits remaining for graduation and their chosen diploma type. The college application process is in full effect early in the fall. Students should work closely with their counselor to understand the process and meet the necessary deadlines. <i>¹ Students wishing to earn the Honors or Advanced Honors diplomas should refer to the requirements listed on the Diploma Options page</i> |
|--------------|------------------|--|
| English | 1.0 | |
| Math | 1.0 ¹ | |
| Science | 1.0 ¹ | |
| Government | 0.5 | |
| Economics | 0.5 | |
| Electives | 4.5 ¹ | |
| Total | 7.5* | |

*A full load each year would yield 30.5 credit opportunities. 28.0 credits are required for graduation.

NOTES:

- Three (3.0) credits of CTE/Arts/Second Language must be taken prior to graduation. (2.0 credits must be in a Second Language for students earning an Honors or Advanced Honors Diploma, or planning to attend a 4 year University.)
- One (1.0) credit of Computer Technology must be taken prior to graduation.
- Work for the Career Credit is done in Naviance over the four years through Advisory.

Finding Balance in High School

Teens are under a lot of pressure from their daily responsibilities, and can benefit from learning healthy strategies to find balance and reduce stress in their lives. School, co-curricular activities, sports, part-time jobs and responsibilities at home can make a teen's life feel like a juggling act.

If you feel stressed or overwhelmed, it is important to speak to the adults in your life. They may not understand the pressure you are under if you are managing to get everything done. Talk to a parent, teacher, or counselor and ask for help! Here are some other ideas for you....

- **BALANCE YOUR COURSE LOAD:** It is important that you challenge yourself in high school, but be careful not to overload yourself with too many rigorous courses in the same year, especially if you have commitments outside of school. Choose courses based on career-path goals, your individual strengths/aptitudes and not because you think you have to take the most rigorous course in every subject area.
- **HOMEWORK:** Be prepared—you will have *a lot* of homework in high school. You can help minimize stress by *prioritizing*. Look at which projects/activities/homework will take the longest, which are hardest, and which are due the soonest. Make a list of what you have to do, when it has to be done, and how much time you want to spend on it. Then fold your list so you only see #1. Looking at the entire list will stress you out! Do one task at a time and check them off when completed.
- **BALANCE YOUR LIFE:** Being well-rounded is important. However, you do not need to do everything. Choose a few activities that you can enjoy while also getting your school work done.
- **BE REALISTIC:** How much do you expect yourself to accomplish? You must have reasonable goals that you can reach within the time you have to complete them. Much of your stress can be avoided if you just relax and be careful with commitments and time management. Your parents, teachers, & counselor can help you set goals and prioritize your activities.
- **ACKNOWLEDGE YOUR FEELINGS:** It is normal to feel overwhelmed when things get busy. If you are feeling stressed, you may want to look at all of the things you are involved in and cut out some things until you feel better. Be honest with yourself. If there is an activity that no longer brings you joy, think about whether you really want to continue pursuing it.
- **TAKE CARE OF YOURSELF:** Eat a balanced diet, exercise regularly, and get enough sleep! Do not sacrifice your health because you are busy. Set aside some time each day to relax and do something that makes you happy. Ask for help if you need it. Learn to manage stress in healthy ways, otherwise it will manage YOU!

Athletic Eligibility

General Eligibility Guidelines - Trimester Schedule

1. Athletes must pass four (4) classes each trimester, as determined by the OSAA.
2. If an athlete does not pass the required number of classes in any trimester, he or she will be declared ineligible until the end of the next trimester. Eligibility can be restored at that time, provided the athlete has met the minimum requirement of passing at least four classes.
3. A hardship can be attempted through the OSAA for an athlete who is declared academically ineligible, with certain restrictions. To do this, the athlete must have endured a hardship that legitimately kept them from completing the requirements. Generally, behavior, attendance, or lack of effort will not qualify as a hardship.

Additional Sherwood High School Eligibility Requirements:

1. A student-athlete must possess at least a 2.0 GPA at the end of each grading period in order to be eligible to compete in athletic/activities at Sherwood High School.
2. The grading periods for the trimester schedule will be every 12 weeks. Eligibility for the beginning of sports seasons is based on the GPA of the previous trimester (fall eligibility is based upon the previous spring's trimester).
3. If a student/athlete is under a 2.0 GPA at the beginning of a trimester, they will be ineligible to compete in games and contests for two weeks. At the end of that 2-week period, the student/athlete must have a 2.0 GPA to be eligible.
4. If the student/athlete **does** meet the 2.0 GPA requirements, they will remain on probation until the end of the trimester with bi-monthly grade checks. If they drop below the 2.0 GPA requirements at any time, they will be deemed ineligible for another 2-week period with the same penalties as the start of the trimester.
5. In addition to the 2.0 requirement, student-athletes need to be passing all classes. If a student is listed as having a failing grade in a class at a progress report time, they will have one week to bring the grade up to passing. After the one-week period, if the student is still failing the class they will be ineligible to participate in contests until they are passing. Weekly grade reports for that student in that class may be necessary until the next grade period.

****Note: OSAA Rule 8.1.2 states that students must be making "satisfactory progress toward graduation" to be eligible at the beginning of each school year. Student-Athletes must earn 5.0 credits prior to their sophomore year, 11.5 credits prior to their junior year, and 19.5 credits prior to their senior year in order to participate in athletics. Students short of those benchmarks as of the first day of school, will be considered ineligible for the entire school-year.***

NCAA Eligibility Requirements

The NCAA Eligibility Center verifies the academic and amateur status of all student-athletes who wish to compete in Division I or II athletics.

Students who are planning to enroll in college as a freshman and wish to participate in Division I or Division II athletics must be certified by the NCAA Initial-Eligibility Clearinghouse. Students must complete a Student Release Form, available on the NCAA website, and send the original copy and fee payment to the Clearinghouse by the beginning of their senior year. Students register for NCAA eligibility online at: www.ncaaclearinghouse.net.

Prospective athletes must meet the following eligibility standards in order to practice, play and receive financial aid:

- Graduate from high school.
- Complete a minimum of 16 core courses.
- Earn a minimum required grade-point average in core courses.
- Earn a qualifying test score on either the ACT or SAT.
- Request final amateurism certification from the NCAA Eligibility Center.
- Earn at least a 2.3 grade-point average in core courses.
- Meet an increased sliding-scale standard (see NCAA website for details)
- Successfully complete 10 of the 16 total required core courses before the start of their senior year in high school. Seven of the 10 courses must be successfully completed in English, math and science.

Core courses include the following:

- 4 years of English
- 3 years of mathematics – Algebra I and higher
- 2 years of science – one year must be a lab science
- 1 additional year of English, math or natural/physical science
- 2 years of social studies
- 4 years of additional core courses – from any area listed above, or from world language, non-doctrinal religion or philosophy

Division III colleges and universities set their own admission standards. The NCAA does not set initial eligibility requirements in Division III.

For more specific information on eligibility, check out the NCAA official website at www.ncaa.org or call (toll-free) 1-877-677-2321.

Academic Guidelines

GRADING SYSTEM:

Students receive grades in each course at the end of each twelve week period according to the following chart:

ACADEMIC ACHIEVEMENT:

| | |
|--------|-----------------------|
| A to D | Level of passing work |
| F | Failure |
| I | Incomplete* |
| P | Passing |

*Students have two weeks to make-up an incomplete grade before it turns to an “F”.

COURSE RETAKES:

A course in which a student receives a grade of “F” may be repeated on a space available basis. The “F” grade will remain on the transcript. A student may retake a core class in which he/she received a D grade on a space available basis. The D grade will remain on their transcript and continue to be counted in his/her GPA. The new grade will also be on the transcript and will be counted in the GPA. One of the classes will count towards the core credit area and the other class will count towards the elective credit.

DROPPING COURSES:

Only in rare circumstances will a student be allowed to drop a class in which he or she has forecasted for and been assigned. In some cases, schedule changes may occur with signed approval from teachers, parents, counselors, and administrators. If a student drops a class after the fifth day of the trimester, they will receive a WF on their transcript for that class.

EARNING A DIPLOMA:

In order to earn a diploma from Sherwood School District 88J, a student must earn 28 credits and meet essential skills requirements. Please see the Graduation Requirement and Diploma Options page of this guide for additional information on credit requirements in content areas. A half unit (.50) of credit is earned by successfully completing one trimester in one course.

GRADUATION CEREMONY REQUIREMENTS:

All State and District graduation requirements must be satisfactorily completed before a diploma will be issued or a student can participate in the graduation ceremony. Students who graduate early may apply for the privilege to participate in the graduation ceremony.

All students who qualify for a diploma or alternate document should receive public recognition for their educational efforts. It is the district’s wish to provide a public ceremony for their graduation exercises. However, situations may arise where a student’s behavior violates the discipline policy of the district and the only alternative for discipline is the district’s refusal to allow a student to participate in these exercises.

Academic Guidelines (cont.)

OUTSIDE ACCREDITED SOURCES OF CREDIT:

A student may bring in up to 4.0 credits from an alternate accredited source (not including dual-credit courses). These may include but are not limited to correspondence courses, non-EOP college credits, or residential centers. All outside sources of credit must be pre-approved via an application available in the counseling center. The application must be submitted before the credits are earned. Exceptions will not be allowed after-the-fact.

TEACHER/OFFICE ASSISTANTS, EARLY RELEASE, LATE ARRIVAL:

The following guidelines apply to all teacher/office assistants and release periods.

1. These courses are available only to juniors and seniors.
2. A student may only take one teacher/office assistant and one release period during any individual trimester.

CONTACT INFORMATION:

Counseling Center..... **503-825-5526**
 Tracie Harbick Registrar tharbick@sherwood.k12.or.us 503-825-5526
 Cindy Arrigoni Registrar carrigoni@sherwood.k12.or.us 503-825-5525

| Counselor | Class | Email | Phone |
|------------------|--------------|--|--------------|
| Patti Micheo | 10th & 12th | pmicheo@sherwood.k12.or.us | 503-825-5522 |
| Wendell Otto | 9th & 11th | wotto@sherwood.k12.or.us | 503-825-5524 |
| Tyrone Stammers | 10th | tstammers@sherwood.k12.or.us | 503-825-5529 |
| Yvonne van Andel | 12th | yvanandel@sherwood.k12.or.us | 503-825-5521 |
| Brenda Wilson | 9th & 11th | bwilson@sherwood.k12.or.us | 503-825-5523 |

Scheduling Guidelines

The master schedule is developed based on the choices of students during forecasting. For this reason, it is **very important** that students and their families are careful to make appropriate choices during forecasting, as only the courses that are chosen during forecasting will be offered. Forecasting determines the number of sections of each course and also influences how teachers will be assigned to courses. This is why it is **imperative** that we get the most accurate forecasting information possible.

Courses are expected to be very full in this coming school year. Counselors will work diligently to ensure that every student begins the year with a full and appropriate schedule for all three trimesters. We are not able to make schedule changes based on teacher preference, elective choice, lunch choices, athletics, dropping an AP course, or period preference.

The only valid reasons that schedules will be changed are due to a hole in the schedule, a missing core class, a placement error, or other errors such as the A and B sections of a class in the same trimester or in the wrong sequence. No other reasons will be accepted.

This policy is beneficial to students because it will help keep class sizes as small and balanced as possible and will minimize the need to change schedules after a trimester has begun.

Please refer to the list below of appropriate and inappropriate schedule change requests:

Appropriate requests

- Filling a hole
- Placement in the wrong level of a course (such as Geometry if they haven't completed Algebra)
- Errors such as an A and B section during the same trimester or the B section before the A section

Inappropriate requests

- Teacher changes
- Switching class periods
- Changing electives for any reason
- Requesting a different lunch
- Dropping AP courses
- Requests based on involvement in athletics

These policies have been communicated to students and their families during forecasting.

Independent Study Criteria

In order to earn credit and a grade for Independent Study, a student must complete the following requirements:

1. Complete the Independent Study Application Form
2. Write a brief proposal explaining:
 - o What you are going to do in the Independent Study (please be detailed).
 - o Why you want to study the particular topic.
 - o What will be the graded product of your study.
 - o Detail the amount of time you will spend daily or weekly to complete the course.
 - o This paper must be submitted with the application. It will be used to evaluate whether or not the project will be accepted.
3. Get a signed statement from the teacher, administrator or counselor at Sherwood High School who has agreed to monitor your progress and assign grades. The supervising staff member will be responsible for creating a clear grading rubric for the course, which incorporates the provisions of this document (see below).
4. If your Independent Study will involve any off-site supervision by another adult, please provide a system for that person to communicate to your supervising teacher regarding your attendance and progress. This will all have to be turned in at the end of the course.
5. Complete a final project that is similar in rigor (effort) to a 5-7 page paper. This project must establish clearly what you did during the course and explain what you learned. This project may be a paper, or it may be any other project, as long as it is similar in effort and effect. This project will form a large part of the instructor's final decision on whether or not you pass the class.

Administration, who reserves the right to consult department coordinators, counselors or other staff members to make a final decision, will review the application for Independent Study. If accepted, students on Independent Study may begin work.

Independent Study credit will not be awarded for any project or work that has taken place prior to acceptance into the program.

Independent Study may be taken as a class during the school day, as long as the student will be adequately supervised.

A student may earn a maximum of two (2.0) credits from independent study courses during their high school career.

Independent Study courses may only count for elective credit and will receive a **pass** or **fail grade**. (Exceptions must be pre-approved by Administration).

Independent Study courses may **not** meet the NCAA requirements for core courses.

If students are interested in Independent Study they may pick up an application packet in the counseling center or talk to their counselor.

Expanded Options Program

Sherwood High School, in partnership with Portland Community College, offers the Expanded Options Program for students enrolled in 11th and 12th grade. This program allows our students to:

- Have additional options to continue or complete their education
- Earn concurrent high school and college credits
- Gain early entry into post-secondary education
- Participate in existing accelerated college credit programs
- Enroll full-time or part-time in an eligible postsecondary institution

Our program features many courses pre-approved for college credit which can save **thousands of dollars** in college costs and up to two years of college coursework. Please feel free to contact the counseling center to discuss individual eligibility and options.

To be **eligible** for the Expanded Options Program, the student:

- **Must** be in grade 11 or 12 or be 16 years old or older at the time of enrollment
- **Must** have an approved educational learning plan on file with the high school
- **Must not** have received a high school diploma
- **Must not** be a foreign exchange student

In addition, please note:

- The Program does **not** include **any** course that **duplicates** a course we already offer.
- The community college or university must **accept** the student for admission.
- Successful completion of the courses in the Program will accelerate high school graduation if the courses are part of the students' approved educational learning plan.
- Failure to complete an eligible post-secondary course with a passing grade of D or better **will** delay high school graduation **and** affect the student's eligibility for the Program, and **may** affect eligibility for co-curricular and extracurricular activities such as clubs, sports, and music.
- There is **no cost** to you for participating in the Expanded Options Program. Eligible Program expenses will **either** be paid directly by the high school or be reimbursed. Transportation to campus will not be provided by the high school.
- Students may use the program for up to 2 years, 1 year if enrolled as a senior.
- Students may appeal decisions about courses to the Superintendent of Public Education or the Superintendent's designee.
- Students enrolled full time at Sherwood High School may not enroll in the Expanded Options Program.

Portland Community College requires that the student take the college placement exam and place at minimum level of Writing 115, and Math 60.

Sherwood School District will continue to provide any special education services required for the student.

If students are interested in the Expanded Options Program, **they must notify our counseling center by May 1 each year**. Students may pick up an application packet in the counseling center or talk to their counselor.

Students **must** repeat the entire process for **each term** that they intend to participate in the program.

- Read Sherwood High School EOP Requirements and Expectations and meet with counselor to go over education plan and application.
- Fill out EOP Application with student, parent, counselor, and administrator signatures
- Turn completed Sherwood High School EOP Application and PCC EOP Application for Admission and College Expectations Form in to your counselor **no later** than four weeks before the first day of classes
- Take PCC placement tests in reading, writing, and math
- Complete the PCC New Student Orientation online at www.pcc.edu
- Attend a mandatory PCC EOP orientation. Parents are strongly encouraged to attend as well
- Register for classes

**SHERWOOD HIGH SCHOOL
COURSE OFFERINGS
2017-2018**

Definition of Terms

CREDIT: The unit of record assigned to each student for the successful completion of any subject. Trimester classes receive 0.5 credits. All courses, required and elective, receive the same amount of credit.

REQUIRED COURSE: A course that all students must take to graduate.

ELECTIVES: All courses other than required courses. Students must also take a number of elective courses to meet graduation requirements.

PREREQUISITE: Requirements or conditions which must be met in order to be eligible to participate in a course.

CTE/ARTS/SECOND LANGUAGE: Credits from courses in Second Language, Business, Metal Fabrication, Engineering/Architecture, Agricultural Science, Computer Science, Construction/Woodworking, Music, Drama, Art, and Family and Consumer Science can be counted toward the CTE/Arts/Second Language and Applied Arts graduation requirement.

ZERO PERIOD: A course that occurs outside of our regular 5-period day. Zero periods are added to the schedule after a roster is provided by the teacher of record. Students may not forecast for zero period courses.

KEY:

* = There is a prerequisite that must be taken for this class.

\$ = There is fee associated with this class.

= There is an opportunity for college credit with this class.

GRADUATION REQUIREMENT KEY:

CA: Career

CT: Computer Tech

EC: Economics

EL: Elective

EN: English

GV: Government

HE: Health

MA: Math

PE: Physical Education

SC: Science

SE: Social Science Selective

SL: CTE/Arts/Second Lang

US: US History

WH: World History

PLEASE NOTE: The courses that will be offered will be determined by how many students forecast for each course. **Not all courses listed in the Bowmen Guide will be offered next year.**

2017-18 Courses at a Glance

| Agricultural Science | Engineering/Architecture (CTE) | Music |
|---|--|-----------------------------------|
| Advanced Hort. * | Architecture 1 | A Cappella Choir \$ * |
| Animal Science * | Architecture 2, 3, 4 * | Bowmen Band \$ * |
| CTE Apprentice \$ * | CTE Apprentice \$ * | Bowmen Chorus |
| Intro to Ag Sci & Technology | Engineering 1 \$ # | Concert Band \$ * |
| Plant & Greenhouse Management # * | Engineering 2 * # | Concert Choir \$ * |
| Wildlife & Forestry * | Engineering 3 * # | Inst. Music Apprentice * |
| Art | Engineering 4, 5 * # | Jazz Band \$ * |
| 2-D Art \$ | Imagine, Design & Build It \$ | SHS Marching Band \$ * |
| 3-D Art \$ | Interior Design & Draft. 1 \$ | Wind Ensemble * |
| Advanced Art Portfolio - 2D \$ * | Interior Design & Draft. 2 \$ * | Physical Ed./Health |
| Advanced Art Portfolio - 3D \$ * | English | Adv. Fit. & Strength Train. \$ * |
| AP Studio Art - 2D \$ # * | Acc. English 10 * | Aerobics \$ * |
| AP Studio Art - 3D \$ # * | Acc. English 11 * | Athletic Train. 1, 2, 3, 4 |
| AP Studio Art - Photo \$ # * | American Lit * | Health |
| Ceramics 1, 2 \$ * | AP English * # | Intro to Fit. & Strength Train \$ |
| Drawing 1, 2 \$ * | Composition * | Lifetime Fitness |
| Metal & Jewelry 1, 2 \$ * | Composition 2/WR 121 * # | SAQ \$ * |
| Painting 1, 2 \$ * | Contemporary Lit. * | Science |
| Photography 1 \$ | English 9 | Anatomy/Physiology \$ * # |
| Photography 2 \$ * | English 9 YL * | AP Biology \$ * # |
| Studio Apprentice \$ * | English 10 | AP Chemistry \$ * # |
| Video Production 1 | English 10 YL * | AP Physics \$ * # |
| Video Production 2 * | Film as Lit. * | Biology |
| Business | Poetry | Botany \$ * |
| Accounting | Shakespeare * | Chemistry * |
| Adv. Business Procedures * | Story Writing | Earth & Physical Science |
| Business/Personal Law | Eng. Electives (Not English Credit) | Environmental Science \$ * |
| Entrepreneurship & Sm. Bus. Mngmt. * | Drama 1 | Forensic Science A, B, C \$ * |
| Financial Management | Drama 2 * | Intro. to Forensic Science \$ |
| Marketing 1, 2 | Editor's Seminar * | Physics * |
| Personal Financial Management | News Magazine * | Second Language |
| Career-Related | Yearbook * | AP Spanish \$ * # |
| Cadet Teacher | Family & Consumer Science | Spanish 1 |
| Counseling Cntr. Assistant * | Advanced Meal Prep. \$ * | Spanish 2 * |
| Leadership 1 | Advanced Textile Const. * | Spanish 3 * # |
| Leadership 2 & Council * | Child Development | Spanish 4 * # |
| Life Skills Peer Tutor * | Contemporary Living | Social Science |
| Main Office Assistant * | Fashion & Textiles 1 | AP European History * # |
| Media Center Assistant * | Fashion & Textiles 2 * | AP US History * # |
| Teacher Assistant * | Foods & Nutrition 1 \$ | Archaeology & Prehistory # |
| Computer Science (CTE) | Foods & Nutrition 2 \$ * | Current Events * |
| AP Computer Science * # | Interior Design & Draft. 1 \$ | Economics |
| Computer Applications: Microsoft Office # | Interior Design & Draft. 2 \$ * | Government |
| Computer Sc. Digital Graphic Design # | Mathematics | History through Cinema * |
| Computer Sc. Projects A, B, C* | Algebra 1 | Model United Nations (MUN) |
| Computer Sc.Soft. Eng./Visual Basic B, C | Algebra 2 * | Native American History |
| Computer Sc.Soft Eng./Java A, B * # | Algebra 1, 2 YL * | Psychology |
| Intro Computer Sc. Game Design | AP Calculus AB * # | Sociology |
| Networking/Internet Security A, B, C * | AP Calculus BC * # | The American Civil War * |
| Only on the Web | AP Prob. & Statistics * # | US History * |
| StRUT/STW/Hardware/Cert. A, B, C * # | Discrete Math-Foundations of Logic * | World History |
| Video Production 1 | Discrete Math-Visual Applications * | World War II Holocaust * |
| Video Production 2 * | Geometry * | Special Programs |
| Construction/Woodworking (CTE) | Geometry YL * | Academic Language Support * |
| Advanced Woods Projects \$ * | Pre-Calculus & Trig. * # | Access * |
| Advanced Woods Projects 2 \$ * | Probability & Statistics * | Consumer Mathematics * |
| Bowmen House 1, 2, 3 \$ * # | Metal Fabrication (CTE) | ELD-Content Support * |
| CTE Apprentice \$ * | Adv. Metal Fab. Tech \$ * # | Functional Academics * |
| Furniture & Cabinetry \$ * # | CTE Apprentice \$ * | Independence Academy * |
| Imagine, Design & Build It \$ | Intro to Weld. \$ # | Independent Study * |
| Technical & Adv. Turning Tech. \$ * | Small Engine Tech \$ * | Modified English * |
| Woods 1 \$ | Welding 2 \$ * # | Transitions * |
| | World of Speed-Auto Fund. \$ * # | Vocational Ed * |
| | World of Speed-Gen.Auto Repair \$ * # | |

Key: * = Pre Req, # = College Credit Opportunity, \$ = Fee

AGRICULTURAL SCIENCE

AGRICULTURAL SCIENCE CAREER PATH

CAREER TECHNICAL EDUCATION (CTE)

The Agricultural Science Career Pathway is offered by the Sherwood High School Agricultural Science & Metal Fabrication Department to students interested in possibly pursuing a future in the trades or agricultural industry. The pathway is designed to give students a brief picture of many of the different career paths they may take as they pursue an agricultural, natural resources, or metal fabrication after high school.

Many students who achieve the Agricultural Science Career Pathway will move on to Agricultural Science, Forestry, Welding, Diesel Mechanics, and Agricultural Business Management majors in college or enter directly into the workforce where they will make a living wage directly out of High School. This program will enhance students' college and scholarship applications, as well as building their skill set for employment, while differentiating themselves from other similar candidates. Pathway recipients will be recognized during their senior year and at graduation.

HOW CAN THE AGRICULTURAL SCIENCE CAREER PATHWAY HELP YOU?

1. It will differentiate you from other students of equal qualifications when applying for colleges and universities.
2. It will differentiate you from other students of equal qualifications when applying for scholarships.
3. It will differentiate you from other job applicants when applying for a job due to real job site experience.
4. It will offer you a wide variety of experience within the agricultural and welding industry to help you make a more educated decision about your future and your post high school career.
5. It will provide you with skills and knowledge which can translate into a variety of positions which will provide you with immediate earning potential.

REQUIRED CLASSES

| | <u>CREDITS</u> |
|---|-----------------------|
| ● Introduction to Agricultural Science & Technology | 0.5 |
| ● Animal Science | 0.5 |
| ● Plant & Greenhouse Management A | 0.5 |
| TOTAL REQUIRED CREDITS | 1.5 |

ADDITIONAL OFFERINGS (You must complete 1.5 credits of the following options)

| | |
|-----------------------------------|------------|
| ● Plant & Greenhouse Management B | 0.5 |
| ● Wildlife & Forestry | 0.5 |
| ● Advanced Horticulture A | 0.5 |
| ● Advanced Horticulture B | 0.5 |
| ● Small Engines | 0.5 |
| ● Introduction to Welding | 0.5 |
| ● Welding 2 | 0.5 |
| ● Metal Fabrication | 0.5 |
| ● CTE Apprentice | 0.5 |
| TOTAL CREDITS FOR PATHWAY | 3.0 |

AGRICULTURAL SCIENCE (cont.)

Intro to Agricultural Science & Technology

18002XA

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This course is an overview of the entire AST Program and is designed for students just entering into the AST Program. Students will be introduced to various aspects of agriculture and agribusiness. The major emphasis is exploring the different career fields essential to agriculture through hands-on experiences, scientific laboratory experiments, field trips, and FFA Career Development Events. Units covered in the trimester are animal science, food science, plant science and leadership.

Wildlife & Forestry Sciences

18504XX

Prerequisite: Intro to AG Science & Tech

Level: 9-12

Grad Requirement: EL

Trimesters: 1

This course studies habitats and ecosystems for fish and wildlife species both native and non-native to our environment. This course will also feature forestry practices and the concerns over the use of our natural resources. Students will obtain knowledge in these areas through hands-on laboratory activities, classroom studies, field trips and FFA career development events.

Plant & Greenhouse Management

18052XA, 18052XB

Prerequisite: Intro to AG Science & Tech

Level: 9-12

Grad Requirement: SL

Trimesters: 2

The first trimester of this course provides hands-on as well as classroom instruction focused on principles of plant science.

Greenhouse plant production makes up a major portion of this course. Other areas of horticulture studied in this section are careers, propagation, essential growth factors, plant classification, hydroponics, disease and pest control, and tissue culture. Students will be expected to transplant and care for several species of floral plants. The second trimester covers areas such as Christmas tree production, floral design, pruning, landscape design and construction, chemical safety and application, and marketing of horticultural crops.

(Dual Credit with PCC – See Instructor/Counselor)

Advanced Horticulture

18098XA, 18098XB

Prerequisite: Intro to AG Science & Tech and/or Plant & Greenhouse

Level: 11-12

Grad Requirement: SL

Trimesters: 2

NCAA Approved

This course is designed for the serious Agricultural Science and Technology student. Students will oversee and manage greenhouse crops, including supervising transplanting and propagation. This course allows a student to develop critical skills and knowledge for career, college and life. Students who take this course must be self-motivated.

Animal Science

18101XA, 18101XB

Prerequisite: Biology recommended

Level: 10-12

Grad Requirement: EL

Trimesters: 2

NCAA Approved

Animal Science offers a great way to learn about raising, caring for, and benefiting from animals. Students will study breeds, feeding and nutrition as well as production systems for a variety of animal species. Some species include horses, poultry, swine, sheep, and cattle. Hands-on experiences with animals will be an important aspect of this class especially as students study animal behavior and handling procedures.

CTE Apprentice - Ag Sci \$ (Project Based)

18304CA

Prerequisite: Successful completion of previous AG Sci courses and Teacher approval

Level: 11-12

Grad Requirement: SL

Trimesters: 1

This for-credit course combines aspects Ag Sci, Independent Study and Academy Teaching. This course will focus on independent Ag Sci projects, while also assisting in the program as needed.

ART

Photo 1 → Photo 2 → AP Studio Art Photo

2-D Art → Drawing 1 → Drawing 2 → Adv. 2D Studio Portfolio or AP 2D Studio Art
Painting 1 → Painting 2

3-D Art → Ceramics 1 → Ceramics 2 → Adv. 3D Studio Portfolio or AP 3D Studio Art
Metal & Jewelry 1 → Metal & Jewelry 2

3-D Art \$

05158XX

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This is an introductory art course with a focus on three-dimensional form and design. Students will have an opportunity to explore a variety of 3-D materials, including clay and metal.

Ceramics 1 & 2 \$

05159XA, 05159XB

Prerequisite: 3-D Art (Ceramics 1) and Ceramics 1 (Ceramics2)

Level: 9-12

Grad Requirement: SL

Trimesters: 1

Ceramics students will apply their knowledge of design to create forms predominantly of clay. Students will learn the vocabulary and history of clay, glazing & firing, and work with both functional and sculptural forms. Students will learn various ceramic techniques such as pinch, coil, slab, hand-building as well as wheel throwing.

Metal & Jewelry 1 & 2 \$

05166ZA, 05166ZB

Prerequisite: 3-D Art (Metal & Jewelry 1) and Metal & Jewelry 1 (Metal & Jewelry 2)

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This is a foundation course for students with little to no experience in regards to making jewelry and metalworking. This course will explore the use of metal & nonmetal materials as the mediums for personal design & expression. Students will work with a wide variety of materials including: copper, brass, nickel, wire and beads. Students will learn techniques such as sawing, soldering, cold connections, patinas, polishing and much more.

2-D Art \$

05155XX

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This is the introductory class that focuses on the creation of 2-dimensional art. In 2-D Art, students will experiment with a variety of media including, drawing, collage, painting and printmaking.

Drawing 1 \$

05155DA

Prerequisite: 2-D Art

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This class will elaborate on the skills taught in 2-D Art and will maintain a sketchbook. More in depth drawing assignments will be completed with continued experimentation with new media. Projects may include the use of scratchboard, colored pencil drawing, oil and chalk pastels, graphite, ink and charcoal. Mixing media will also be incorporated and encouraged! Starting with Realism, students will learn to draw what they see and how to make the ordinary extraordinary!

ART (cont.)

Drawing 2 \$

05155DB

Prerequisite: Drawing 1

Level: 10-12

Grad Requirement: SL

Trimesters: 1

This class will elaborate on the skills taught in drawing and will maintain a sketchbook. More in depth drawing assignments will be completed with continued experimentation with new media.

Painting 1 \$

05155PA,

Prerequisite: 2-D Art

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This course will begin with watercolor painting and move into acrylic. Maintaining a sketchbook is necessary for this course. Color mixing and application will be studied and mastered by the end of the course. Students will paint on a variety of surfaces including paper, cardboard, and canvas to explore the possibilities of painting!

Painting 2 \$

05155PB

Prerequisite: Painting 1 and Teacher Recommendation

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This is a course designed for students with an ability to work independently to develop concept in their work and further their technical skill.

Photography 1 \$

05167XX

Prerequisite: None, 2-D Art is strongly recommended

Level: 10-12

Grad Requirement: SL

Trimesters: 1

Photography 1 is designed to give students an understanding of the use of 35mm cameras, developing black and white film, and darkroom techniques. Understanding the camera are the basis of this course in representing personal expression in observation beyond just recording of images and situations. Your own 35mm SLR camera is recommended, but not required for this course.

Photography 2 \$

05169XA

Prerequisite: Photo 1

Level: 10-12

Grad Requirement: SL/CT

Trimesters: 1

Expanding on the concepts taught in Photo 1, this course is designed to further develop your skills through digital photography, focusing on the artistic aspects of the medium. Students may earn a computer credit for this course. As you hone your technical skills you will be granted more independence on project topics and an emphasis of concept will be required. Adobe Photoshop for photography editing will be used. Aesthetics and critique will be expanded as well as your visual awareness. Portfolios of individual student work will be maintained, expanded and evaluated.

Advanced Art Portfolio - 2D \$

051702A, 051702B, 051702C

Advanced Art Portfolio - 3D \$

051703A, 051703B, 051703C

Prerequisite: Intermediate Art course(s) & Teacher recommendation

Level: 10-12

Grad Requirement: SL

Trimester: Minimum 2

This class is offered to students who are dedicated to art and are willing to work on a portfolio for two to three trimesters! Students may focus on a chosen concentration for this class to develop a series of works that are related, but will be primarily concerned with creating works that demonstrate their "Breadth" as an artist. This is the **preliminary AP Studio Art course** that focuses on expanding art techniques and portfolio development. Work created in this course may be used the following year as part of the AP Studio Art Portfolio. This course will be held jointly with AP Studio Art.

AP Studio Art - 2D \$

051712A, 051712B, 051712C

AP Studio Art - 3D \$

051713A, 051713B, 051713C

AP Studio Art - Photo \$

05171PA, 05171PB, 05171PC

Prerequisite: Intermediate Art course(s) & Teacher recommendation

Level: 11-12

Grad Requirement: CT

Trimester: Yearlong

Based on their background and area of expertise, students will choose either 2D, 3D, or Photo. These courses are designed for those students who are able to achieve at a level of rigorous study and scope of work equivalent to a college level course in Art. All students enrolled will create a portfolio of 24 art pieces; 12 of which are "Breadth" works demonstrating their diversity as an artist and 12 "Concentration" pieces that are based around a single idea of the student's choice. Students are required to work beyond the classroom period and develop a finished portfolio to be submitted to the AP College Board for scoring.

Students who pass the AP Exam will have an opportunity to earn college credit.

Students who elect **not** to take the AP Exam will have "**Advanced**" rather than "AP" designated on their transcript.

ART (cont.)

Studio Apprentice \$

05199XA

Prerequisite: Teacher recommendation

Level: 10-12

Grad Requirement: SL

Trimesters: 1

This for-credit course combines aspects of studio art, Independent Study, and Academy Teaching. This course will focus on independently based studio art work & skill independently, while assisting within the classroom as needed.

Video Production 1

11151VP

Prerequisite: None

Level: 10-12

Grad Requirement: CT

Trimesters: 1

This class will allow students to learn video production through hands on video projects. Class units include planning, camera operation, audio work, interviewing skills, and editing. A variety of projects will be accomplished including collaboration with other school activities along with outside venues. Working in groups and self-motivation is critical for this class.

Video Production 2

11151VB

Prerequisite: Video Production 1

Level: 10-12

Grad Requirement: CT

Trimesters: 1

This class will build from the concepts developed in Video Production 1. Students will continue to develop their skills in editing and video production while learning sound, effects, and other skills. Students will become the leaders and managers for outside projects. Along with creating videos developed from their own ideas, Video Production 2 students will create material to be used on varying platforms

BUSINESS

BUSINESS CAREER PATHWAY

The Business Career Pathway is offered by the Sherwood High School Business Department to students interested in possibly pursuing a future in the business world. The pathway is designed to give students a well-rounded picture of all of the different career paths they may take as they further pursue a business career after high school. Students are taught the basics of Accounting, Business and Personal Law, Marketing, Finance, Small Business Management and Entrepreneurship.

Most students who achieve the Business Career Pathway may move on to a business major in college. This program will enable students to enhance their college and scholarship applications, while differentiating themselves from other similar candidates. Pathway recipients will be recognized during their senior year and at graduation.

HOW CAN THE BUSINESS CAREER PATHWAY HELP YOU?

1. It differentiates you from other students of equal qualifications when applying for colleges and universities.
2. It differentiates you from other students of equal qualifications when applying for scholarships.
3. It offers you a wide variety of experience within the business world to help you make a more educated decision about your future and your post high school career.

REQUIRED CLASSES:

- Personal Financial Management
- Marketing 1
- Accounting
- Business and Personal Law 1

CREDITS

| | |
|-------------------------------|------------|
| | 0.5 |
| | 0.5 |
| | 0.5 |
| | 0.5 |
| TOTAL REQUIRED CREDITS | 2.0 |

ADDITIONAL OFFERINGS: (You must complete 1.0 credits of the following options)

- Financial Management 0.5
- Business and Personal Law 2 0.5
- Entrepreneurship and Small Business Management 0.5
- Advanced Business Procedures (Archers Corner/Student Store) 0.5
- Marketing 2 0.5

ADDITIONAL REQUIREMENTS:

- Work experience (may include student store)
- Job shadow/Internship (completion as part of our Career Credit requirement)
- Career/Industry Research (to be completed as part of coursework)

BUSINESS (cont.)

Accounting

12104XA

Prerequisite: None

Level: 10-12

Grad Requirement: SL

Trimesters: 1

This course teaches the complete fundamental accounting cycle, special systems for recording accounting transactions, and accounting topics related to all types of business, including emphasis upon merchandising business organizations. This course is highly recommended for those interested in pursuing accounting for occupational purposes, for those planning to own their own business, or for continuing accounting training.

Marketing 1

12152XA

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This course investigates marketing principles such as advertising, product placement, niche marketing, internet applications, supply and demand and inventory control.

Marketing 2

12152XB

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

Students will learn elements of the sales process, marketing information management, entrepreneurship and finance. We will also discuss and identify career opportunities in the field of Marketing.

Personal Financial Management

12051PX

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This course covers a consumer's role in the global economy. Students will cover topics of personal finance and understand their role in today's economy. Topics include basic economic principles, managing personal finances, working in the global economy, using credit to buy goods and services, and planning a career in today's world. Students enrolled in this course will be encouraged to participate in FBLA.

Financial Management

12051FX

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

For those students thinking about operating their own businesses, this class is a must. Students will learn how the private enterprise system works and their role in the economy as a consumer and business owner. Students will survey topics on building business organizations and managing diverse workforces. Students will have the opportunity to create a business plan for their own small business. Students will also participate in a web based business simulation that will allow them to realize the true trials and tribulations of operating their own business. Students enrolled in this course will be encouraged to participate in FBLA.

Advanced Business Procedures

12199XA, 12199XB, 12199XC

Prerequisite: Successful completion of two business classes. Personal Financial Management and Financial Management together only count as one course toward this requirement. Teacher signature required.

Level: 11-12

Grad Requirement: SL

Trimesters: 1

Students will learn the principles involved in running a day-to-day business through the operation of the student store. Students will have an opportunity to practice the following principles in a real life setting: accounting, marketing, human relations, sales, customer service and many more applicable principles. Students will be evaluated on their performance on the job as well as special projects assigned during the trimester. Students will also be expected to better prepare themselves for their respective FBLA events during the course of the trimesters. **Students will only take 1 trimester of this class each year.**

Business / Personal Law

04164XA, 04164XB

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 2

This course will help students understand their legal obligations and rights in business and avoid legal difficulties. The course includes fundamental concepts, principles, and rules of law that apply to business transactions. This includes the function and operation of courts, business crimes, torts, and contract law, plus application of the Uniform Commercial Code to business activities. This course is for any student looking toward a career in business or law.

Entrepreneurship & Small Business Management

12053XA

Prerequisite: Marketing or Personal Financial Management

Level: 11-12

Grad Requirement: SL

Trimesters: 1

This course is designed to help students understand business/marketing principles necessary to start and operate a business. Entrepreneurship is designed to expand on the knowledge gained in Marketing. Students will have an opportunity to develop the skills, attitudes, and knowledge necessary to be successful entrepreneurs. Sixty percent of students taking high school business courses state that they would like to someday own and operate their own business. Those who enroll in the class will strongly be encouraged to participate in FBLA. Main areas of focus for this course will include: Learn the basics of ownership and operations of a business; Create a business plan for starting and financing a small business; Learn from community members what is necessary in starting a new business; and Work towards creation and development of ideas for starting a business.

CAREER-RELATED

Leadership 1

221011X

Prerequisite: None

Level: 9-12

Grad Requirement: EL

Trimesters: 1

The purpose of this course is to teach, train, and develop the skills and behaviors of good leadership, including understanding leadership styles, goal setting, time management, communication skills, group process, human relations, managerial skills, and project management. Students will be responsible for planning one service or school activity of their choice and will also be involved in service learning, recognition activities, and promotion of school events. Leadership 1 is open to all students who want to develop and practice their leadership skills and may be repeated for credit.

Leadership 2

22101XX

Prerequisite: Elected to Student Council or Teacher signature required; successful completion of Leadership 1

Level: 9-12

Grad Requirement: EL

Trimesters: 2 or 3

Leadership 2 is only offered Trimester 2 and 3 and is a project-based class. Students enrolled in this course will have a direct role in planning and operating student activities at Sherwood High School, including assemblies, dances, blood drives, service projects, and other school events. The emphasis of this course is learning and applying the skills needed to organizing and planning these activities, running student government, and problem solving.

All ASB officers and Class Presidents are required to take this course for the entire year, but it is open to other students interested in student government, community service, or in building spirit with instructor approval.

Leadership Council

22101XC

Prerequisite: Required for all Student Council Officers/ Teacher signature required.

Level: 9-12

Grad Requirement: EL

Trimesters: 1

Leadership Council is offered only in Trimester 1 and is a required class for all ASB and Class Officers. Students enrolled in this course will have a direct role in planning and operating student activities at Sherwood High School, including Homecoming, assemblies, dances, blood drives, service projects, and other school events. The emphasis of this course is learning and applying the skills needed for organizing and planning these activities, running students government, and problem solving. Leadership class provides students with the opportunity to develop personal goals and to work on school or community projects of their own choosing. Students will work with individuals at the school, district and community levels while developing their communication, planning and organizational skills.

Teacher Assistant

22995TX

Prerequisite: As indicated by specific instructor; Teacher approval/signature required

Level: 11-12

Grad Requirement: EL

Trimesters: 1

Junior and Senior students who are interested in assisting classroom teachers may earn one unit of credit per year. The work will be diversified. Students need to have an understanding of the expectations, and the teacher's permission, in advance. The teacher assistant is responsible to the teacher for whom he/she is working and will receive a grade from that teacher. (**Pass/Fail grade**)

Main Office Assistant

22051XX

Prerequisite: An informal interview with Secretary or Administrator signature required

Level: 11-12

Grad Requirement: EL

Trimesters: 1

This course is for students who would like to gain work experience in an office setting. They may earn up to one unit of credit yearly. Assistants work under the guidance and direction of the office secretaries and administration. Students will gain experience in providing customer service, answering telephones, learning work ethics, delivering messages, operating office machines, filing, sorting mail and other duties as assigned. (**Pass/Fail grade**)

Counseling Center Assistant

22052CC

Prerequisite: Counselor approval/signature required

Level: 11-12

Grad Requirement: EL

Trimesters: 1

This course is for students who would like to strengthen and broaden their post-high school world of work skills while still in high school. Students may earn up to one unit of credit yearly through this on-the-job training in the Counseling Center. Work plans will be developed to meet individual needs in general office procedure areas of organization, taking and delivering messages, operation of office machines, work ethic and employer expectations. Attendance is an important part of the student's final grade. (**Pass/Fail grade**)

Media Center Assistant

22053MC

Prerequisite: Media Specialist signature required

Level: 11-12

Grad Requirement: EL

Trimesters: 1

Students may earn credit working in the Sherwood High School Library as an assistant. Library assistants will perform a variety of tasks in circulation, processing and production depending on their interests and abilities. (**Pass/Fail grade**)

CAREER-RELATED (cont.)

Cadet Teacher

22054CX

Prerequisite: None

Level: 11-12

Grad Requirement: EL

Trimesters: 1

This course is for Junior and Senior students who wish to explore the teaching profession at a district elementary or middle school or teaching transition age students work skills and habits. Details of the experience are to be determined by the Dean of Students in conjunction with the mentor teacher. Students will be released for one class period to perform cadet teaching responsibilities. Students must provide their own transportation to and from the assigned school.

Life Skills Peer Tutor

19099PX

Prerequisite: Teacher signature required

Level: 10-12

Grad Requirement: EL

Trimesters: 1, 2 or 3

This course is designed for students to build relationships, act as role models, and work with students who have an array of abilities. Peer tutors will learn how to take simple data on student responses in the areas of functional academics, life skills activities, and vocational routines. In some circumstances, Peer Tutors will assist students when they are enrolled in general education classes. Peer Tutors are expected to model a high level of positive social interactions, positive reinforcement, encourage independence, and assist students in various community settings under adult supervision. This course receives a letter grade. A Peer Tutor is able to repeat this course as many times as desired throughout the year or even multiple periods in the same trimester.

COMPUTER SCIENCE

THE INFORMATION SYSTEMS PATHWAY

CAREER TECHNICAL EDUCATION (CTE)

The Information Systems Pathway is offered by the Sherwood High School Computer Science Department to students interested in possibly pursuing a future in a high-tech career field. The pathway is designed to give students a brief picture of many of the different career paths they could take to further pursue information systems.

Many students who achieve the Information Systems Pathway will move onto be majors in Computer Science in college or enter directly into the workforce where they will make a living wage directly out of High School. This program will enable students to enhance their college and scholarship applications, as well as building their skill set for employment, while differentiating themselves from other similar candidates. Students must earn 3.0 Credits throughout the Computer Information Systems Courses. Recipients will be recognized during their senior year and at graduation.

HOW CAN THE COMPUTER SCIENCE PATHWAY HELP YOU?

1. It differentiates you from other students of equal qualifications when applying for colleges and universities.
2. It differentiates you from other students of equal qualifications when applying for scholarships.
3. It will differentiate you from other job applicants when applying for a job due to real job like experience
4. It will offer you a wide variety of experience within the high-tech career field to help you make a more educated decision about your future and your post high school career.
5. It will provide you with skills and knowledge which can translate into a variety of positions which will provide you with immediate earning potential.

The Information Systems Pathway requires 3.0 credits from the below choices:

WEB MANAGEMENT FOCUS:

CREDITS

- | | |
|-------------------------------------|----------|
| ● Graphic Design | 0.5 |
| ● CS Projects (Web Coding) A, B & C | 0.5 each |

SOFTWARE ENGINEERING FOCUS:

- | | |
|------------------------|----------|
| ● Game Design | 0.5 |
| ● Visual Basic B & C | 0.5 each |
| ● JAVA A & B | 0.5 each |
| ● AP Computer Science | 1.0 |
| ● CS Projects A, B & C | 0.5 each |

HARDWARE/NETWORKING FOCUS:

- | | |
|---|----------|
| ● StRUT A, B & C | 0.5 each |
| ● Networking/Internet Security A, B & C | 0.5 each |
| ● CS Projects A, B & C | 0.5 each |

COMPUTER SCIENCE (cont.)

Computer Applications: Microsoft Office

10004XX

Prerequisite: None

Level: 9-12 Grad Requirement: CT Trimesters: 1

This course focuses on Office 2013 applications; Excel, Word, PowerPoint, and Access.

(Dual Credit with PCC-See Instructor/Counselor)

Computer Science Digital Graphic Design

10202XX

Prerequisite: None

Level: 9-12 Grad Requirement: CT Trimesters: 1

Students enrolled in this class will become skilled in computer graphic design using Adobe Photoshop and Adobe Illustrator.

(Dual Credit with PCC-See Instructor/Counselor)

Intro to Computer Science through Game Design

101521A

Prerequisite: None

Level: 9-12 Grad Requirement: CT Trimesters: 1

Game Maker will be used in the first few weeks as the gateway to understanding computer science. Alice 2.2 will then be used for programming in a 3-D environment.

Computer Science Software Engineering/Visual Basic B & C

10152XB, 10152XC

Prerequisite: None (Visual Basic B) and Visual Basic B (Visual Basic C)

Level: 9-12 Grad Requirement: CT Trimesters: 1

Visual Basic.Net will be used for two trimesters. Visual Basic is used as a beginning CS language because it affords interesting and rewarding feedback early in the learning process.

Computer Science Software Engineering/Java A & B

101522A, 101522B

Prerequisite: Computer Science Software Engineering Visual Basic B (Java A), and Java A (Java B)

Level: 10-12 Grad Requirement: CT Trimesters: 1

This course will take the students through structured programming using Java. At the end of one trimester students will be programming using the object oriented features of Java.

(Dual Credit with PCC-See Instructor/Counselor)

Computer Science Projects A, B & C

10997XA, 10997XB, 10997XC

Prerequisite: One Computer Science course (Projects A), Projects A (Projects B), and Projects B (Projects C)

Level: 10-12 Grad Requirement: CT Trimesters: 1

Students enrolled in this course will have their choice of study. They will choose to study a subject that will be an extension of a previous course. Offerings will include C++, Visual Basic, Java, A+ certification, production Graphic Design, Flash Animation, Network+, Security+, HTML or Dreamweaver.

AP Computer Science

10157ZA, 10157ZB

Prerequisite: JAVA A & B or equivalent language

Level: 11-12 Grad Requirement: CT Trimesters: 2

This course will be taken during the 1st and/or 2nd trimesters to prepare for the AP Computer Science test in the spring.

Students who pass the AP Exam will have an opportunity to earn college credit.

Students who elect not to take the AP exam will have "Advanced" rather than "AP" designated on their transcript.

StRUT / STW / Computer Hardware/A+ Certification A, B & C

10251XA, 10251XB, 10251XC

Prerequisite: None (StRUT A), StRUT A (StRUT B), and StRUT B (StRUT C)

Level: 9-12 Grad Requirement: CT Trimesters: 1

Limited enrollment. Students will be rebuilding, refurbishing, and repairing computer hardware. The upgraded computers will be placed in the district for student use. Students will also have the opportunity to study for the A+, Comptia Certification.

(Dual Credit with PCC-See Instructor/Counselor)

Networking / Internet Security A, B & C

10101XA, 10101XB, 10101XC

Prerequisite: StRUT A & B or teacher signature (Net A), Net A (Net B), and Net B (Net C)

Level: 11-12 Grad Requirement: CT Trimesters: 1

This course will help prepare the students for network certification. Students will study the Network curriculum delivered online by Learnkey.

COMPUTER SCIENCE (cont.)

Video Production 1

11151VP

Prerequisite: None

Level: 10-12

Grad Requirement: CT

Trimesters: 1

This class will allow students to learn video production through hands on video projects. Class units include planning, camera operation, audio work, interviewing skills, and editing. A variety of projects will be accomplished including collaboration with other school activities along with outside venues. Working in groups and self-motivation is critical for this class.

Video Production 2

11151VB

Prerequisite: Video Production 1

Level: 10-12

Grad Requirement: CT

Trimesters: 1

This class will build from the concepts developed in Video Production 1. Students will continue to develop their skills in editing and video production while learning sound, effects, and other skills. Students will become the leaders and managers for outside projects. Along with creating videos developed from their own ideas, Video Production 2 students will create material to be used on varying platforms.

Only on the Web

10299XX

Prerequisite: None

Level: 11-12

Grad Requirement: CT

Trimesters: 1

This class will study the internet and its various functions. Students will look at the history of the internet, study pathways to present information, explore new technologies and the Google world, and work with video integration. This is a great class for students who are self-motivated to learn new and exciting things and have a general interest in technology.

CONSTRUCTION/WOODWORKING CONSTRUCTION CAREER PATH CAREER TECHNICAL EDUCATION (CTE)

The Construction Career Pathway is offered by the Sherwood High School Construction Department to students interested in possibly pursuing a future in the trades or construction world. The pathway is designed to give students a brief picture of many of the different career paths they may take as they further pursue a business construction career after high school. Students are taught the basics of woodworking, wood turning, power tool use and tool safety, hand tool use and safety, floor framing, wall framing and finish carpentry.

Many students who achieve the Construction Career Pathway may move on to majors in Construction Management in college or enter directly into the workforce where they will make a living wage directly out of High School. This program will enable students to enhance their college and scholarship application, as well as building their skill set for employment, while differentiating themselves from other similar candidates. Pathway recipients will be recognized during their senior year and at graduation.

HOW CAN THE CONSTRUCTION/WOODWORKING CAREER PATHWAY HELP YOU?

1. It will differentiate you from other students of equal qualifications when applying for colleges and universities.
2. It will differentiate you from other students of equal qualifications when applying for scholarships.
3. It will differentiate you from other job applicants when applying for a job, due to real job site experience.
4. It will offer you a wide variety of experience within the construction industry to help you make a more educated decision about your future and your post high school career.
5. It will provide you with skills and knowledge which can translate into a variety of positions which will provide you with immediate earning potential.

REQUIRED CLASSES

WOODWORKING FOCUS:

- Woods 1 or Imagine, Design & Build It
 - Furniture/Cabinetry
 - Advanced Woodworking Projects
 - Advanced Woodworking Projects 2
 - Technical and Advanced Turning Techniques
 - CTE Apprentice
- TOTAL REQUIRED CREDITS**

CREDITS

0.5
0.5
0.5
0.5
0.5
0.5
3.0

CONSTRUCTION FOCUS:

- Woods 1 or Imagine, Design & Build It
 - Bowmen House 1
 - Furniture/Cabinetry
 - Bowmen House 2 (year long) and/or Bowmen House 3 (year long)
- TOTAL REQUIRED CREDITS**

0.5
0.5
0.5
1.5
3.0

CONSTRUCTION/WOODWORKING (cont.)

Woods 1 \$

130531X

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This is a beginning-level woodworking course designed to familiarize students with basic woodworking procedures found in construction and manufacturing careers as well as more advanced applications. The material to be covered includes the student management system, planning and designing of projects; hand tools and power machinery; safety; woodworking joints; gluing and clamping procedures; and preparing and applying finishes to woodworking projects. Students will also explore other Industrial Manufacturing materials.

Furniture & Cabinetry \$

13053FX

Prerequisite: Woods 1

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This course is a continuation of Woods 1. This second trimester is recommended to further develop skills to use tools in a variety of applications. This is a project-oriented course dealing with advanced applications of power machine processes. Special emphasis is placed upon detailed furniture construction and cabinet making. Other material and manufacturing processes will also be explored. (Dual Credit with PCC – See Instructor/Counselor)

Advanced Woods Projects \$

130533X

Prerequisite: Furniture & Cabinetry (Woods 2)

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This course is a continuation of Woods 2. This third trimester of woodworking is recommended to further develop skills to use tools in a variety of applications. This is a project-oriented course dealing with advanced applications of power machine processes. Special emphasis is placed upon detailed furniture construction and cabinet making. Other material and manufacturing processes will also be explored. Career awareness is also emphasized. Students will also explore other industrial manufacturing material.

Bowmen House 1 \$

13053AA

Prerequisite: Woods 1

Level: 10-12

Grad Requirement: SL

Trimesters: 1

This course is designed to build on the skills and knowledge gained in Woods 1. New machinery and procedures will be added to the student's knowledge base and then practiced on shop projects. Students will learn about basic residential construction techniques with an emphasis on framing. Students may potentially work on a project of their choosing once course requirements are met. This is more likely for students repeating the course. Safety, relevant workplace skills, and attitudes are emphasized. This class is a prerequisite of Advanced Building Construction (Bowmen House).

(Dual Credit with PCC – See Instructor/Counselor)

Bowmen House 2 \$

13053BA, 13053BB, 13053BC

Prerequisite: Furniture & Cabinetry or Bowmen House 1 and Teacher approval

Level: 11-12

Grad Requirement: SL

Trimesters: 3

This course is designed to build on the skills and knowledge gained in Woods and Bowmen House 1. Students will learn about basic residential construction techniques with an emphasis on framing and building envelope. This class is year one of building the Bowmen House, a collaborative project with other programs within the school, where students build a house to be sold on the open market.

(Dual Credit with PCC – See Instructor/Counselor)

Bowmen House 3 \$

(Not Offered in 2017-2018)

13053CA, 13053CB, 13053CC

Prerequisite: Furniture & Cabinetry or Bowmen House 1 and Teacher approval

Level: 11-12

Grad Requirement: SL

Trimesters: 3

This course is designed to build on the skills and knowledge gained in Woods and Bowmen House 1. Students will learn about basic residential construction techniques with an emphasis on finish carpentry such as tiling floors, trim, hardwood floors, etc. This class is year two of building the Bowmen House, a collaborative project with other programs within the school, where students build a house to be sold on the open market.

(Dual Credit with PCC – See Instructor/Counselor)

Technical & Advanced Turning Techniques \$ (Project Based)

130538X

Prerequisite: Teacher approval

Level: 11-12

Grad Requirement: SL

Trimesters: 1

This course is designed to further explore manufacturing artistic projects on the lathe. Students will learn more complex techniques and process regarding turning and manufacturing products. This class will be taught in conjunction with Furniture Projects (formerly Advanced Woods).

CONSTRUCTION/WOODWORKING (cont.)

Advanced Woods Projects 2 \$ (Project Based)**130357X****Prerequisite: Teacher approval**

Level: 11-12

Grad Requirement: SL

Trimesters: 1

This course is designed to further explore manufacturing artistic projects on the lathe as well as flatwork. Students will learn more complex techniques and process regarding tuning, joinery and manufacturing products.

Imagine, Design & Build It \$**21010GA, 21010GB****Prerequisite: None**

Level: 10-12

Grad Requirement: CT, SL

Trimesters: 2 Required

Watch your ideas transform into 3D objects that you can use every day. This is a course designed for students who have little to no experience within the CTE (Career and Technical Education) setting. This course explores the woodshop equipment, welding equipment, and various computer technologies. Students will watch their ideas transform into 3D objects that can be used every day. This is a 2 trimester class. Students can take one or both trimesters, but will ONLY receive Computer Science credit if both trimesters are taken.

CTE Apprentice - Construction/Woods**\$(Project Based)****17006CW****Prerequisite: Successful Completion of Woods 1 and Teacher approval**

Level: 11-12

Grad Requirement: SL

Trimesters: 1

This for-credit course combines aspects Construction and Woodworking, Independent Study and Academy Teaching. This course will focus on independent Construction/Woodworking projects, while also assisting in the shop as needed.

ENGINEERING/ARCHITECTURE

ENGINEERING/ARCHITECTURE CAREER PATHWAY CAREER TECHNICAL EDUCATION (CTE)

The Engineering/Architecture Career Pathway is offered by the Sherwood High School Engineering Department to students interested in possibly pursuing a future in an engineering, architecture, or manufacturing field. The pathway is designed to give students insight into the broad range of career paths available to them by pursuing a post-high school technical education. Students who complete the pathway will have obtained skills that will directly translate to furthering their technical education.

Engineering/Architecture Career Pathway Students will:

- Understand the types and job functions, of Engineers, Architects and Technicians
- Learn the basic principles of Engineering and Architectural design
- Become a proficient user of multiple diverse, industry standard CAD packages
- Gain experience operating a range of rapid prototyping technologies, including laser cutting, vinyl plotting, and 3D printing
- Earn 12.5+ College Credits through PCC Dual Enrollments, at no cost to student and family

Most students who complete the Engineering/Architecture Career Pathway will move onto an Engineering or Architecture major at a 4-year college or pursue an Associate's Degree leading them to a career as an Engineering Technician, Drafter, or Machinist.

Pathway recipients will be recognized during their senior year and at graduation.

HOW CAN THE ENGINEERING/ARCHITECTURE CAREER PATHWAY HELP YOU?

1. It demonstrates your interest in, dedication to, and passion for, technical education.
2. It will differentiate you from other students of equal qualifications when applying to colleges, scholarships and internships or jobs.
3. It earns you 12.5+ Dual Enrollment College Credits, guaranteed transferrable to any 2-year or 4-year Oregon University System school at NO COST to you.
4. It exposes you to industry standard software packages and manufacturing machines.
5. It offers you a wide variety of experiences within the Engineering, Architectural and Manufacturing industries, to help you make a more educated decision about your future and post high school career.

REQUIRED CLASSES

CREDITS

| | |
|---|------------|
| ● E1: Intro to Drafting and Design | 0.5 |
| ● E2: Rapid Prototyping | 0.5 |
| ● E3: Advanced Drafting and Design | 0.5 |
| ● Engineering 4: Engineering Projects I | 0.5 |
| TOTAL REQUIRED CREDITS | 2.0 |

ADDITIONAL OFFERINGS (You must complete 1.00 credits of the following options)

| | |
|--|-----------------------|
| ● Architecture 1, 2, 3, 4 | 0.5 each |
| ● Engineering 5: Engineering Projects II | 0.5 |
| ● CTE Engr/Arch Apprentice | 0.5 (may be repeated) |
| TOTAL CREDITS for PATHWAY | 3.0 |

ENGINEERING/ARCHITECTURE (cont.)

E1 - Intro to Drafting & Design \$**21107XA****Prerequisite: None**

Level: 9-12

Grad Requirement: CT/SL

Trimesters: 1

Engineering 1: Introduction to Drafting and Design is an introductory course in Computer-Aided Design (CAD) with an emphasis on engineering design and problem solving. There is also a basic hand drafting component. Students will use state of the art computer equipment along with the latest version of a very powerful drawing program called Rhino3D. Career areas that use engineering CAD include engineering, construction, machining, aerospace, physical sciences, drafting, manufacturing and robotics with new applications being created all the time. Students will also learn and improve technical drawing skills found in all engineering fields.

(Dual Credit with PCC-See Instructor/Counselor)**E2 - Rapid Prototyping****211061A****Prerequisite: Engineering 1**

Level: 9-12

Grad Requirement: CT/SL

Trimesters: 1

Engineering 2: Rapid Prototyping is an engineering design course where students will apply the skills learned in Engineering 1 to design and produce products using SHS rapid prototyping equipment: laser cutter, CNC vinyl plotter and 3D printers. Students will learn what an engineer is, what different kinds of engineers do, and what educational paths can be taken to become one. Students will also be involved in problem solving, fabricating and design activities such as: Dimension Printing's 3D Re-Design Challenge, 2D to 3D laser projects, CNC vinyl manufacturing, and the 3D printing of a personal jump drive case.

(Dual Credit with PCC - See Instructor/Counselor)**E3 - Advanced Drafting & Design****211061B****Prerequisite: Engineering 1 & 2**

Level: 9-12

Grad Requirement: CT/SL Trimesters: 1

Engineering 3: Advanced Drafting and Design is an intermediate Computer-Aided Design (CAD) course with an emphasis on engineering design and problem solving. There is also an advanced hand drafting component.

In their second CAD trimester, students will learn Solid Works, which is an industry standard software package, used today to communicate graphical information in many local and global industries. Students will expand on what they have learned about problem solving, visualization and design. Students will continue to build advanced sketching techniques related to engineering fields. This course is designed for the student who is interested in utilizing computer technology as it relates to engineering and design. Students will use the output machine skills learned in Engineering 2: Rapid Prototyping to produce some of their models on our rapid prototyping equipment.

(Dual Credit with PCC – See Instructor/Counselor)**Engineering 4 & 5 (each are 1 trimester long)****211074A, 211074B****Prerequisite: Engineering 3 (Engr. 4) & 4 (Engr. 5)**

Level: 10-12

Grad Requirement: CT/SL

Trimesters: 1

Students will be immersed in hands-on problem solving activities with access to the full range of our SHS rapid prototyping machine technologies. These classes are for the advanced student who wants individualized instruction and in-depth, project-based learning. These courses are offered as a cohort, but alternatively, give the student flexibility in scheduling, by allowing enrollment in any period with prior instructor approval. Possible areas of study include: Advanced Rhino 3D, SolidWorks, Product Design and Marketing, Laser Cutting and Etching, 3D Printing, 3D Digital Laser Scanning, CNC Routing (Shop Bot) with MasterCAM, CNC PlasmaCAM.

(Dual Credit with PCC – See Instructor/Counselor)**Imagine, Design & Build It \$****21010GA, 21010GB****Prerequisite: None**

Level: 10-12

Grad Requirement: CT/SL

Trimesters: 2 Required

Watch your ideas transform into 3D objects that you can use every day. This is a course designed for students who have little to no experience within the CTE (Career and Technical Education) setting. This course explores the woodshop equipment, welding equipment, and various computer technologies. Students will watch their ideas transform into 3D objects that can be used every day. This is a 2 trimester class. Students can take one or both trimesters, but will ONLY receive Computer Science credit if both trimesters are taken.

Architecture 1**211032A****Prerequisite: None**

Level: 9-12

Grad Requirement: CT/SL

Trimesters: 1

This class is an introductory course with an emphasis on architecture/building construction drawing. Students will learn Chief Architect, an industry standard software package used to communicate graphical information in many local and global industries. Career areas that use Architectural 3D Modeling include architecture, construction, surveying, drafting, interior design, manufacturing and landscape design. Students will also be exposed to Architectural design theory, the history of Architecture, basic Architectural sketching techniques, common Architectural styles, and model making.

ENGINEERING/ARCHITECTURE (cont.)**Architecture 2****211032B**

Prerequisite: Architecture 1

Level: 9-12

Grad Requirement: CT/SL

Trimesters: 1

In this course, students will continue building and refining their skills in Chief Architect, an industry standard software package used to communicate graphical information in many local and global industries. Students will be introduced to the basic engineering and structural principles that underlie Architectural designs, and be exposed to reading and interpretation of construction documents. Architectural case studies that illustrate major phases of design will be examined. There will be a focus on model making and presentation of those models, including the ideas and concepts that influenced their design.

Architecture 3 & 4**211033A, 211033B****Prerequisite: Architecture 2 (Arch 3) & Architecture 3 (Arch 4)**

Level: 10-12

Grad Requirement: CT/SL

Trimesters: 1

These courses are a continuation of Architecture 1 & 2. They are recommended to finish covering the basics of using Chief Architect. Additionally, students will be exposed to Revit, the other major industry standard Architectural software package. Areas to be covered are: exterior elevations, plot plans, solar site planning, landscape plans, terrain importing, and rendering. Students will continue working on their dream house by designing rooms and area layout, material specifications and costs. Students may also have the opportunity to collaborate on the design of a Bowmen House Project if one is in progress. Architecture 3 & 4 are each one trimester long.

Interior Design & Drafting 1 \$**19205XA****Prerequisite: None**

Level: 9-12

Grad Requirement: CT/SL

Trimesters: 1

This class focuses on the construction and design of interior environments. Students will learn hand-drafting techniques as well as gain experience using Chief Architect as they plan the design and construction of homes and buildings. Consideration for the needs and wants of the inhabitant, as well as color and interior lighting techniques, will be discussed and applied to projects. This class focuses on the importance of creating a visually pleasing interior that meets/exceeds the expectations of the consumer. Students will learn important presentation techniques and the importance of communication in this career field. Career opportunities are a topic of discussion and will include guest speakers.

Interior Design & Drafting 2 \$**19205XB****Prerequisite: Interior Design & Drafting 1**

Level: 9-12

Grad Requirement: CT/SL

Trimesters: 1

This is an advanced class that will build off information learned in Interior Design & Drafting 1. This class focuses on more advanced construction and design of interior environments. Students will primarily be working with Chief Architect to construct architectural documents for both commercial and residential buildings. These documents will include floor plans, lighting plans, elevation plans and perspectives. Students will also work with a budget to choose the interior products needed in their designs. This class focuses on the importance of creating a visually pleasing interior that meets/exceeds the expectations of the consumer.

CTE Apprentice - Eng/Arch \$ (Project Based)**10997EA****Prerequisite: Engineering 4 & 5 and/or Instructor Approval**

Level: 11-12

Grad Requirement: SL

Trimesters: 1

This class is for the advanced student who has experience in Wood Shop, Metal Shop, and/or Computer Programming and would like the freedom to combine their Engineering expertise with one or more of those technologies. A CTE Apprentice will have either completed or have an upcoming enrollment in Engineering 4/5, is an independent worker with strong self-motivation skills, and seeks individualized instruction through in-depth, project-based learning. Students will be immersed in hands-on problem solving activities with access to the full range of our SHS rapid prototyping machine technologies. CTE Apprentices may be enrolled in any period with prior instructor approval. Possible areas of study include: Advanced Rhino 3D, SolidWorks, Product Design and Marketing, Laser Cutting and Etching, 3D Printing, 3D Digital Laser Scanning, CNC Routing (Shop Bot) with MasterCAM, and CNC PlasmaCAM.

ENGLISH**English 9****01001XA, 01001XB****Prerequisite: None**

Level: 9

Grad Requirement: EN

Trimesters: 2

NCAA Approved

This course focuses on the writing process (ideas, organization, sentence fluency, and convention), literary analysis, and discussion.

Students will be required to read and analyze short stories, poetry, mythology, two novels, and a Shakespearean play. **Students may choose to pursue an Honors option in English 9; the course will appear on transcripts as English 9 Honors for students who successfully complete the honors requirements.**

English 9-Year Long **01001YA, 01001YB, 01999YC**

Prerequisite: Placement based on data

Level: 9 Grad Requirement: EN Trimesters: 3

This course focuses on the writing process (ideas, organization, sentence fluency, and conventions), literary analysis, and discussion. Students will be required to read and analyze short stories, poetry, mythology, two novels, and a Shakespearean play.

Students will receive 1.0 credit of English and 0.5 credit Elective.

English 10 **01002XA, 01002XB**

Prerequisite: None

Level: 10 Grad Requirement: EN Trimesters: 2 NCAA Approved

This course provides a wide range of skills and activities. The student is required to read and understand short stories, non-fiction selections, novels and a Shakespearean play. Students will also complete writing assignments in various genres.

English 10-Year Long **01002YA, 01002YB, 01999YX**

Prerequisite: Placement based on data

Level: 10 Grad Requirement: EN Trimesters: 3

This course provides a wide range of skills and activities. The student is required to read and understand short stories, non-fiction selections and novels. Students will also complete writing assignments in various genres.

Students will receive 1.0 credit of English and 0.5 credit of Elective.

Accelerated English 10 **01002AA, 01002AB**

Prerequisite: Complete Honors Option in English 9 or Instructor Recommendation

Level: 10 Grad Requirement: EN Trimesters: 2 NCAA Approved

During this course, students will read additional novels and be expected to produce written work that is at a higher level of proficiency than in standard sophomore English.

Accelerated English 11 **01003AA, 01003AB**

Prerequisite: Successfully complete Accelerated English 10 or Instructor Recommendation

Level: 11 Grad Requirement: EN Trimesters: 2 NCAA Approved

This accelerated course is a survey of the major works of Western literature, from Ancient Greece to the modern era. This course is recommended for college-bound students looking to improve their analytical reading and writing abilities, and students intending to take AP English 12.

AP English **01006XA, 01006XB, 01006XC**

Prerequisite: Accelerated English 11 strongly recommended

Level: 12 Grad Requirement: EN Trimesters: 3 NCAA Approved

Advanced Placement English 12 examines and analyzes themes, philosophies, and works in literature for the college bound senior. The expository writing process will be thoroughly explored.

Students who pass the AP Exam will have an opportunity to earn college credit.

Students who elect not take the AP Exam will have “Advanced” rather than “AP” designated on their transcript.

Film as Literature **01053FX**

Prerequisite: English 9 & 10

Level: 11-12 Grad Requirement: EN Trimesters: 1

This course will cover the film as an art form. History of film, film techniques and film genres will be studied. Students will view and critique films and produce written work about them. **This course may not fulfill English requirements at some colleges.**

Composition **01103XX**

Prerequisite: English 9 & 10

Level: 11 Grad Requirement: EN Trimesters: 1 NCAA Approved

All Juniors will be placed into Composition unless they choose to enroll in Accelerated English 11. This course emphasizes all forms of non-fiction writing, including narration, description, argumentation, persuasion and research. Vocabulary and mechanical techniques of fluent writing will be emphasized. This course is recommended for college bound students.

ENGLISH (cont.)

Composition 2/Writing 121 **01103WR**

Prerequisite: Acc Eng 11, Composition, or Teacher Approval

Level: 11-12 Grad Requirement: EN Trimesters: 1 NCAA Approved

The class focuses on academic writing as a means of inquiry. Building on skills developed in prerequisite classes, students will continue to examine rhetorical strategies and begin to assess intended audience, judging why an author makes particular choices in

regard to that audience. Critical reading, discussion and writing will help students explore ideas, develop cultural awareness and formulate positions. Students will work with short non-fiction texts and a novel as they work on crafting analyses. They will also write an extensive research paper and be held accountable for daily participation and contributions to the class.

(Dual Credit with PCC – See Instructor/Counselor)

American Literature

01054LX

Prerequisite: English 9 & 10

Level: 11-12 Grad Requirement: EN Trimesters: 1 NCAA Approved

This course is for students who have not taken Accelerated 10 or Accelerated 11 English classes and are interested in American literature novels, short stories, plays and poems. It is taught from a historical perspective tracing the development of American literature from the colonial period to the 1940's. Units involve the study of short stories, plays, novels and poetry.

Contemporary Literature

01052XX

Prerequisite: English 9 & 10

Level: 11-12 Grad Requirement: EN Trimesters: 1 NCAA Approved

Students in this course will read, discuss, analyze and evaluate literature from the late twentieth and early twenty-first centuries, with particular emphasis on the novel. They will also write a number of expository essays on various aspects of the required readings.

Poetry

01104PW

Prerequisite: None

Level: 11-12 Grad Requirement: EN Trimesters: 1 NCAA Approved

Students in this English elective course will read all kinds of poems, refine their own preferences, and write their own verse. We will learn to find material, discover meaning, relish sound and sense, and craft verse using the full range of techniques practiced in the English language. By the end of the course students will be confident poets.

Story Writing

01104SW

Prerequisite: None

Level: 11-12 Grad Requirement: EN Trimesters: 1 NCAA Approved

Students in this English elective course will read and analyze many short stories, write every day to think more deeply, and practice crafting stories of their own. We will learn to find ideas, refine drafts, and submit manuscripts for publication.

Shakespeare

01053SX

Prerequisite: English 9 & 10

Level: 11-12 Grad Requirement: EN Trimesters: 1 NCAA Approved

Students will study at least four of Shakespeare's plays through reading of the text, analyses of film interpretations, and a study of the social and historical contexts of the plays. There will be a number of written and oral assignments in which students will analyze the plays.

ENGLISH (Not for English Credit)

Drama 1*

050551X

Prerequisite: None

Level: 9-12 Grad Requirement: SL Trimesters: 1

Drama 1 is a performance-oriented class that requires participation. Students will be expected to take part in a variety of performance

and drama activities, including, but not limited to pantomime, improvisation, and small group scene study and performance. They will learn the fundamental techniques associated with acting, including characterization, scene analysis, movement and voice control. Students will also complete several written assignments related to dramatic performance.

Drama 2*

050552X

Prerequisite: Drama 1 or Teacher signature required

Level: 9-12 Grad Requirement: SL Trimesters: 1

Drama 2 is an advanced course for students who are interested in a more in-depth exploration of theater and acting technique. It will build on and expand the skills taught in Drama 1, as well as introducing units on play/scene direction and play analysis.

Editor's Seminar*

11048XX

Prerequisite: Teacher signature required

Level: 11-12 Grad Requirement: EL Trimesters: 1

This course is open to editors from The Arrow or The Quiver. Editors will work on their publication with the adviser.

News Magazine*

11102AN, 11102BN, 11102CN

Prerequisite: English 9

Level: 10-12 Grad Requirement: CT Trimesters: 1-3 NCAA Approved

Students in this class will publish six issues of the school new magazine, THE ARROW, using the computer, as well as publish stories online.. Skills in writing, editing, layout, advertising and computer use will be taught.

This course may not fulfill English requirements at some colleges.

Yearbook*

11102YA, 11102YB, 11102YC

Prerequisite: English 9

Level: 10-12 Grad Requirement: CT Trimesters: 3

This yearlong (three trimester) course is designed to publish the school annual, THE QUIVER. Students will learn layout techniques, copywriting, editing, use of the computer, advertising techniques and photography.

This course may not fulfill English requirements at some colleges.

***PLEASE NOTE:** Although these courses are offered within the English Department they **DO NOT** fulfill the English requirement.

**FAMILY & CONSUMER SCIENCE
FAMILY & CONSUMER SCIENCE EDUCATION CAREER PATHWAY**

The Family & Consumer Science Education Career Pathway is offered by the Sherwood FACS department to students interested in possibly pursuing a future in the Early Childhood Education, Nutrition, Family Economics, Human Development or Interior and Apparel Design industry. The

pathway is designed to give students a brief picture of the many different career paths they may take as they pursue this industry and career path after high school.

Many students who achieve the Family & Consumer Science Education Career Pathway will move on to Early Childhood Education, Nutrition, Family Economics, Human Development or Interior and Apparel Design majors in college or enter directly into the workforce. This program will enhance students' college and scholarship applications, as well as build their skill set for employment, while differentiating themselves from other similar candidates. Pathway recipients will be recognized during their senior year and at graduation.

HOW CAN THE FAMILY & CONSUMER SCIENCE CAREER PATHWAY HELP YOU?

1. It will differentiate you from other students of equal qualifications when applying for colleges or universities.
2. It will differentiate you from other students of equal qualifications when applying for scholarships.
3. It will offer you a wide variety of experience within the Family Economics and Education industry to help you make a more educated decision about your future and your post high school career.
4. It will provide you with skills and knowledge which can translate into a variety of positions which will provide you with immediate earning potential.

| <u>REQUIRED CLASSES:</u> | <u>CREDITS</u> |
|--------------------------------|----------------|
| ● Foods & Nutrition 1 | 0.5 |
| ● Child Development | 0.5 |
| ● Interior Design & Drafting 1 | 0.5 |
| ● Fashion & Textiles 1 | 0.5 |
| TOTAL REQUIRED CREDITS | 2.0 |

ADDITIONAL OFFERINGS: (You must complete 1.0 credits of the following options)

| | |
|----------------------------------|------------|
| ● Contemporary Living | 0.5 |
| ● Fashion & Textiles 2 | 0.5 |
| ● Advance Textile Construction | 0.5 |
| ● Foods & Nutrition 2 | 0.5 |
| ● Advanced Meal Preparation | 0.5 |
| ● Interior Design & Drafting 2 | 0.5 |
| TOTAL CREDITS FOR PATHWAY | 3.0 |

FAMILY & CONSUMER SCIENCE (cont.)

Contemporary Living

22208XX

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This class focuses on personal development and family living. It is designed to help students meet the challenges of daily living; including personal finance, building a positive self-concept, and the ability to use critical-thinking skills. These topics are discussed and

emphasized to encourage growth in the individual and help students cultivate skills for developing a strong and healthy family and living environment.

Child Development

22204XX

Prerequisite: None

Level: 10-12

Grad Requirement: SL

Trimesters: 1

This class is all about children and their growth and development. The student will gain an understanding of the physical, emotional, social and intellectual development of children from conception through childhood. Part of each week is spent in the classroom and the other part is spent working with children in a daycare setting. This will give students the opportunity to apply what they learn in the classroom to real life situations. The student will learn how to develop a greater understanding of self, his/her personal development, realistic expectations of children and parenting skills. Career alternatives relating to children are also discussed.

Fashion & Textiles 1

222051X

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This course is designed for the student with limited or no sewing skills. Basic sewing skills and terminology will be taught through construction of sewing projects. Fashion trends and textile characteristics will also be discussed. Emphasis is placed on improving skills and creating projects of an excellent finished quality. Almost every day is spent at the sewing machine practicing skills and learning new modern techniques. The student is required to provide all construction supplies for the class. Sewing machines will be provided.

Fashion & Textiles 2

222052X

Prerequisite: Fashion & Textiles 1 OR Teacher Approval

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This course is designed for the student with basic to moderate sewing skills. In this course, more difficult projects will be constructed while learning new concepts to apply to project creation and construction. Techniques for working with a variety of textiles and complex pattern guidelines will be learned and applied to sewing projects. The student is required to provide all construction supplies for the class. Sewing machines will be provided.

Advanced Textile Construction

222053X

Prerequisite: Fashion & Textiles 2 or Teacher Approval

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This class focuses on trends and concepts in the ever-changing fashion industry. It is designed to meet the individual needs of the advanced student. Emphasis is placed on working with special fabrics, detailed construction techniques, and tailoring basics as well as refining techniques learned in Fashion & Textiles 1 and 2. Construction of more advanced projects is required. Students will create a mood-board to highlight their knowledge of fashion and textiles. The student is required to provide all construction supplies for the class. Sewing machines will be provided.

This class can be taken more than once for credit.

Foods & Nutrition 1 \$

222021X

Prerequisite: None

Level: 9-12

Grad Requirement: SL

Trimesters: 1

The basic principles of food preparation are discussed and practiced through class discussion and cooking labs, with a focus on baking techniques. Students will be given the opportunity to eat what they make in class, while learning about basic nutrient value, appetite appeal, social significance and cultural aspects of food. **This is not a nut-free classroom.**

Foods & Nutrition 2 \$

222022X

Prerequisite: Foods & Nutrition 1

Level: 9-12

Grad Requirement: SL

Trimesters: 1

This is an advanced class that will build off preparation techniques learned in Foods & Nutrition 1. Preparation of fancy desserts and yeast breads, pies, and meats are among many of the foods that will be part of the cooking labs. The class also includes table etiquette, menu planning, buying, and consumer awareness. Advanced nutritional facts, as well as current health and nutrition issues, will be discussed. **This is not a nut-free classroom.**

Advanced Meal Preparation \$

222023X

Prerequisite: Foods & Nutrition 2

Level: 9-12

Grad Requirement: SL

Trimesters: 1

Working with and adding to all the skills and techniques learned in Foods & Nutrition 1 and 2, the students will create entrees, desserts, salads and more. Throughout the course, the class will create a complete meal. **This is not a nut-free classroom.**

This class can be taken more than once for credit.

FAMILY & CONSUMER SCIENCE (cont.)

Interior Design & Drafting 1 \$

19205XA

Prerequisite: None

Level: 9-12

Grad Requirement: CT

Trimesters: 1

This class focuses on the construction and design of interior environments. Students will learn hand-drafting techniques as well as gain experience using Chief Architect as they plan the design and construction of homes and buildings. Consideration for the needs and

wants of the inhabitant, as well as color theory and interior lighting techniques will be discussed and applied to projects. This class focuses on the importance of creating a visually pleasing interior that meets/exceeds the expectations of the consumer. Students will learn important presentation techniques and the importance of communication in this career field.

Interior Design & Drafting 2 \$

19205XB

Prerequisite: Interior Design & Drafting 1

Level: 9-12

Grad Requirement: CT

Trimesters: 1

This is an advanced class that will build off information learned in Interior Design & Drafting 1. This class focuses on more advanced construction and design of interior environments including the Bowmen House. Students will primarily be working with Chief Architect to construct architectural documents for both commercial and residential buildings. These documents will include floor plans, lighting plans, elevation plans and perspective drawings. Students will also work with a budget to choose the interior products needed in their designs. This class focuses on the importance of creating a visually pleasing interior that meets/exceeds the expectations of the consumer. A majority of this class will focus on the interior design of the SHS Bowmen House.

This class can be taken more than once for credit.

MATHEMATICS

Algebra 1



Geometry



Algebra 2



Trigonometry/Pre-Calculus OR Discrete Math OR Probability & Statistics



AP Calculus AB OR AP Statistics



AP Calculus BC

Oregon Department of Education requires successful completion of Algebra 1 and two years beyond

Algebra 1

02052XA, 02052XB

Prerequisite: None

Level: 9-12

Grad Requirement: MA

Trimesters: 2

NCAA Approved

This course includes a study of real numbers, variables, solving equations and inequalities, and an introduction to the concepts of functions, polynomials, and graphing linear equations. Use of the calculator as a mathematics tool is stressed.

Graphing calculators are required.

Algebra 1-Year Long

02052YA, 02052YB, 02999AC

Prerequisite: Placement based on data

Level: 9-12

Grad Requirement: MA

Trimesters: 3

This course is for students that feel they need special support for Algebra or are recommended into this course by Middle School teachers or previous High School teachers. Students must pass the third trimester to be eligible to enter the next course.

Graphing calculators are required.

Students would receive 1.0 credit of Math and .50 credits elective.

Geometry

02072XA, 02072XB

Prerequisite: Algebra 1

Level: 9-12

Grad Requirement: MA

Trimesters: 2

NCAA Approved

This course stresses deductive reasoning and the nature of proof as it applies to geometric figures from a primarily Euclidean perspective. Compasses and straight edges are used in Euclidean constructions and some transformational geometry. Compass and protractor are needed.

Graphing calculators are required.

Geometry-Year Long

02072YA, 02072YB, 02999GC

Prerequisite: Algebra 1 and Placement based on data

Level: 9-12

Grad Requirement: MA

Trimesters: 3

This course would be for students that took Year Long Algebra and are recommended by the previous math teacher. Students must pass the third trimester to be eligible to enter the next course.

Graphing calculators are required.

Students would receive 1.0 credit of Math and .50 credits elective.

MATHEMATICS (cont.)

Algebra 2

02056XA, 02056XB

Prerequisite: Geometry

Level: 9-12

Grad Requirement: MA

Trimesters: 2

NCAA Approved

This course is a continuation of the material covered in Algebra 1. It is an in-depth study of the real number system including equations, inequalities, and their graphs; methods of solving polynomial equations of higher degrees; and analytic geometry and

logarithms.

Graphing calculators are required.

Algebra 2-Year Long

02056YA, 02056YB, 02999XC

Prerequisite: Geometry and Placement based on data

Level: 9-12 Grad Requirement: MA Trimesters: 3 NCAA Approved

This course would be for students that took Year Long Geometry and are recommended by the previous math teacher. Students must pass the third trimester to be eligible to enter the next course.

Graphing calculators are required.

Students would receive 1.0 credit for Math and .50 credits elective.

Discrete Math-Foundations of Logic

02102ZA

Prerequisite: Algebra 2

Level: 9-12 Grad Requirement: MA Trimesters: 1 NCAA Approved

This course includes topics such as formal logic-where students will study truth tables and logical arguments, social theories-such as election theory and its manipulation, fair division-policies and practices, codes and code breaking-through logic puzzles, and game theory.

Graphing calculators are required.

Discrete Math-Visual Applications

02102ZB

Prerequisite: Algebra 2

Level: 9-12 Grad Requirement: MA Trimesters: 1 NCAA Approved

This course covers topics that involve graph theory-using Euler and Hamilton circuits, geometry and architecture-patterns, symmetry and tiling, probability, and personal finance-with a culminating financial budget project.

Graphing calculators are required.

Probability & Statistics

02201XA, 02201XB

Prerequisite: Algebra 2

Level: 9-12 Grad Requirement: MA Trimesters: 2 NCAA Approved

In this course we collect, organize, analyze, and interpret numerical information. We will study statistical experiments, sample space, mutually exclusive events, and how probability assignments are made and the relationship between probability and statistics. Other topics include, random variables and probability distributions, sampling distributions, estimation, hypothesis testing, and regression and correlation.

Graphing calculators are required.

(Dual Credit with PCC – See Instructor/Counselor)

Pre-Calculus & Trigonometry

02103XA, 02103XB

Prerequisite: Algebra 2

Level: 9-12 Grad Requirement: MA Trimesters: 2 NCAA Approved

This course includes the study of trigonometric relationships in circular functions and triangles. Also included is an introduction to matrices and vectors and their applications in mathematics, analytic geometry, and limits of sequences and series. Ten hours of college credit—Trigonometry Math 112 and Pre-Calculus Math 116—may be available through PCC Project Advance. See your instructor or counselor for more information.

Graphing calculators required.

(Dual Credit with PCC – See Instructor/Counselor)

AP Calculus AB

02124XA, 02124XB, 02124XC

Prerequisite: Trigonometry & Pre-Calculus and conversation with current Teacher strongly recommended

Level: 9-12 Grad Requirement: MA Trimesters: 3 NCAA Approved

This course covers material from the first two terms of college Calculus. College credit may be available for some students. See your instructor or counselor for more information. At the end of the program students will take the AP examination and those students who achieve a specific score on the exam may earn college credit (6-9 quarter hours) upon admission to college.

Graphing calculators are required.

Students who pass the AP Exam will have an opportunity to earn college credit.

Students who elect not to take the AP exam will have “Advanced” rather than “AP” designated on their transcript.

(Dual Credit with PCC – See Instructor/Counselor)

MATHEMATICS (cont.)

AP Calculus BC

02125XA, 02125XB

Prerequisite: AP Calculus AB

Level: 9-12 Grad Requirement: MA Trimesters: 2 NCAA Approved

This is a two trimester course that will expand the concepts taught in Calculus AB and continues into the Calculus BC concepts preparing students for the AP Calculus BC test and providing students with the opportunity to obtain college credit for math 253 through

PCC.

Graphing calculators are required.

Students who pass the AP Exam will have an opportunity to earn college credit.

*Students who elect **not** to take the AP exam will have "**Advanced**" rather than "AP" designated on their transcript.
(Dual Credit with PCC – See Instructor/Counselor)*

AP Probability & Statistics

02203AA, 02203AB, 02203AC

Prerequisite: Pre-Calculus & Trigonometry; conversation with current Teacher strongly recommended

Level: 9-12 Grad Requirement: MA Trimesters: 3 NCAA Approved

In this three trimester college level course we will study organizing data, averages, and variation, regression and correlation, probability theory, normal distributions, sampling distributions, estimation, and hypothesis testing. In addition we will prepare for the AP Exam using previous tests, and other AP materials.

Graphing calculators are required.

Students who pass the AP Exam will have an opportunity to earn college credit.

*Students who elect **not** to take the AP exam will have "**Advanced**" rather than "AP" designated on their transcript.*

METAL FABRICATION METAL FABRICATION CAREER PATHWAY CAREER TECHNICAL EDUCATION (CTE)

The Metal Fabrication Career Pathway is offered by the Sherwood High School Agricultural Science

& Metal Fabrication Department to students interested in possibly pursuing a future in the trades or manufacturing industry. The pathway is designed to give students a brief picture of many of the different career paths they may take as they pursue an agricultural, natural resources, or metal fabrication after high school.

Many students who achieve the Metal Fabrication Career Pathway will move onto Agricultural Science, Forestry, Welding, Diesel Mechanics, and Agricultural Business Management majors in college or enter directly into the workforce where they will make a living wage directly out of High School. This program will enhance students' college and scholarship applications, as well as building their skill set for employment, while differentiating themselves from other similar candidates. Pathway recipients will be recognized during their senior year and at graduation.

HOW CAN THE METAL FABRICATION CAREER PATHWAY HELP YOU?

1. It will differentiate you from other students of equal qualifications when applying for colleges and universities.
2. It will differentiate you from other students of equal qualifications when applying for scholarships.
3. It will differentiate you from other job applicants when applying for a job, due to real job site experience.
4. It will offer you a wide variety of experience within the agricultural and welding industry to help you make a more educated decision about your future and your post high school career.
5. It will provide you with skills and knowledge which can translate into a variety of positions which will provide you with immediate earning potential.

REQUIRED CLASSES

| | <u>CREDITS</u> |
|-------------------------------|-----------------------|
| ● Introduction to Welding | 0.5 |
| ● Welding 2 | 0.5 |
| ● Metal Fabrication | 0.5 |
| TOTAL REQUIRED CREDITS | 1.5 |

ADDITIONAL OFFERINGS (You must complete 1.5 credits of the following options)

| | |
|---|------------|
| ● Introduction to Agricultural Science & Technology | 0.5 |
| ● Animal Science | 0.5 |
| ● Plant & Greenhouse Management A | 0.5 |
| ● Plant & Greenhouse Management B | 0.5 |
| ● Wildlife & Forestry | 0.5 |
| ● Advanced Horticulture A | 0.5 |
| ● Advanced Horticulture B | 0.5 |
| ● Small Engines | 0.5 |
| ● World of Speed - Automotive Fundamentals | 0.5 |
| ● World of Speed - General Auto Repair | 0.5 |
| ● CTE Apprentice | 0.5 |
| TOTAL CREDITS FOR PATHWAY | 3.0 |

METAL FABRICATION (cont.)

Intro to Welding \$**18404XA****Prerequisite: None**

Level: 9-12

Grad Requirement: SL

Trimesters: 1

Students will learn the fundamentals of various welding processes including Arc Welding and Oxy-acetylene welding. Instruction will include OA cutting, sheet metal design, tool identification and overall shop safety. This is an entry level class designed for the beginning welder or mechanics enthusiast.

(Dual Credit with PCC – See Instructor/Counselor)**Welding 2 \$****18404XB****Prerequisite: Intro to Welding**

Level: 10-12

Grad Requirement: SL

Trimesters: 1

This course is designed to provide students with knowledge and skills in technical welding related fields. The course is taught with a realistic hands-on approach benefiting both career oriented and college bound students. Program content will consist of hands-on activities to include instruction in the following: oxyacetylene welding, arc welding, MIG welding, TIG welding, plasma, arc and oxy cutting processes. Students will demonstrate their acquired knowledge by producing projects in each of the content areas.

(Dual Credit with PCC – See Instructor/Counselor)**Advanced Metal Fabrication Tech \$****13209XX****Prerequisite: Intro to Welding & Welding 2 or Teacher signature**

Level: 11-12

Grad Requirement: SL

Trimesters: 1

Students will learn how to cut and join different metals using the latest equipment in the industry. Students will have opportunities to work directly with industry to prepare them for metal fabrication and/or repair employment. Students are expected to design and build a metal-related project using skills from Intro to Welding & Mechanics and Welding 2. This class focuses on individual metal related projects.

(Dual Credit with PCC – See Instructor/Counselor)**Small Engine Technology \$****20110XX****Prerequisite: Intro to Welding**

Level: 10-12

Grad Requirement: SL

Trimesters: 1

Small Engines Technology is a course designed to provide fundamentals and principles of mechanical theory and the application of power. The internal combustion engine is studied, rebuilt, repaired, problem solved, maintained, and operated in the classroom and shop facility. The course will consist of class instruction and actual hands on work in the shop area. Quality, responsibility, and shop safety will be stressed. Students must complete an engine rebuild and tune up as required for the course.

World of Speed - Automotive Fundamentals \$**20106XA****Prerequisite: must be on track for graduation**

Level: 11-12

Grad Requirement: SL

Trimesters: 1

An introductory automotive service class intended to provide fundamental knowledge and basic experience about automobiles. Covers automotive systems, preventative maintenance and performing basic repairs. Also provides skill and knowledge for purchasing cars, choosing quality mechanics, and making good economic decisions about repairs and costs. Intended generally to enhance the overall satisfaction of being an automatic consumer and car owner. Students must provide their own transportation to and from.

Students in this course can earn 0.5 credits, yet the course will take up two class slots.**(Dual Credit with CCC - See Counselor)****World of Speed - General Auto Repair \$****20106XB****Prerequisite: World of Speed - Automotive Fundamentals and must be on track for graduation**

Level: 11-12

Grad Requirement: SL

Trimesters: 1

Course material is coordinated with other auto courses. Includes live repair work and fundamentals such as safety, tools, measuring, and fasteners. For first term automotive students. Students must provide their own transportation to and from.

Students in this course can earn 0.5 credits, yet the course will take up two class slots.**(Dual Credit with CCC - See Counselor)****CTE Apprentice - Metals \$ (Project Based)****13202CM****Prerequisite: Successful completion of previous Welding courses and Teacher approval**

Level: 11-12

Grad Requirement: SL

Trimesters: 1

This for-credit course combines aspects Welding/Metals, Independent Study and Academy Teaching. This course will focus on independent Welding/Metals projects, while also assisting in the program as needed.

MUSIC

Bowmen Band \$

05102BA, 05102BB, 05102BC

Prerequisite: Basic knowledge of music notation & rhythm

Level: 9-12

Grad Requirement: SL

Trimester: 3

Bowmen Band is SHS's entry level large performance ensemble specifically for incoming 9th graders. Bowmen Band is also open to students wanting to learn how to play a musical instrument or are in another group and want to learn a secondary instrument. This group emphasizes on quality performance of standard band literature and the continuation of basic tone and technical development. Students will have many performance opportunities in large and small ensemble settings.

Concert Band \$

05102XA, 05102XB, 05102XC

Prerequisite: Basic knowledge of music notation & rhythm, prior participation in a large instrumental ensemble, 9th graders

only by audition

Level: 9-12

Grad Requirement: SL

Trimesters: 3

Concert Band is a large performance ensemble that places its emphasis on quality performance of standard band literature. Besides continued technical development, this class provides the opportunity for its members to participate in a variety of concerts, festivals, marching performance, travel, and smaller ensembles.

Instrumental Music Apprentice**05109XX****Prerequisite: Teacher signature required**

Level: 11-12

Grad Requirement: SL

Trimesters: 1

This for-credit course combines aspects of, Independent Student and Academic Teaching. This course will focus on independency-based practice and performance while continuing to develop music reading and technique. Students will assist within the classroom as needed.

Wind Ensemble**05106WA, 05106WB, 05106WC****Prerequisite: By audition only**

Level: 9-12

Grad Requirement: SL

Trimesters: 3 (**ALL 3 Required**)

Wind Ensemble is the premiere band at SHS; individual desire, discipline, enthusiasm, technical skills, and musicianship are fundamental requirements for members of this group. The class will provide technical development, study of the finest contemporary and traditional wind literature, and participation in a variety of concerts, festivals, marching performances, smaller ensembles, and travel opportunities.

Jazz Band \$**05105XA, 05105XB, 05105XC****(Will be added to schedules in the fall - ZERO PERIOD)****Prerequisite: must be enrolled in one of the following musical ensembles: Wind Ensemble, Concert Band, or Bowmen Band.****Exceptions to this will be handled by the director on an individual basis only.**

Level: 9-12

Grad Requirement: SL

Trimesters: 3

Jazz Band is composed of a select group of advanced students that perform a wide variety of jazz literature. The jazz style and improvisational techniques are explored, developed and refined. The Jazz Band performs at regional festivals and competitions in the winter and spring. In addition to performing standards, the jazz band is always experimenting with newly composed jazz material from internationally known artists. Students must audition with the director for placement. Students will study a variety of musical styles and will have the opportunity to develop personal skills in the art of improvisation. Students must be self-motivated and well discipline.

SHS Marching Band (Techniques) \$**05103XX****(Will be added to schedules in the fall - ZERO PERIOD)****Prerequisite: Successful completion (grade C or better for all trimesters) in previous band ensembles (Marching Band, Wind Ensemble, Concert Band), or instructor approval.****Co-requisite: Students must also be registered for Wind Ensemble, Concert Band, or Bowmen Band in order to register for Marching Band**

Level: 9-12

Grad Requirement: SL

Trimester: FALL Trimester

The Marching Band has earned a reputation for quality sounds on the marching field. To maintain this tradition of success requires a high degree of dedication, effort and pride on the part of each person involved. Skills acquired in marching band help prepare students for the rigors and stamina of concert ensembles that follow the marching season. Preparation and performance of the world's finest music will be covered. Testing of drill and music will help students in this ensemble in preparing for successful participation in all band ensembles. Members of this ensemble will perform at varsity football games, contests, out-of-state trips and various local activities. Members of Marching Band are expected to attend the summer band camp.

Concert Choir \$**05110AA, 05110AB, 05110AC****Prerequisite: Audition required**

Level: 10-12

Grad Requirement: SL

Trimesters: 3

This ensemble will provide students with a strong focus on advanced musical skill, such as sight singing and ear training, and advanced literature in a variety of genres. Performances include choral department concerts, festivals, and regional/state level competitions.

MUSIC (cont.)**Bowmen Chorus****05110BA, 05110BB, 05110BC****Prerequisite: None**

Level: 9-12

Grad Requirement: SL

Trimesters: 3

This ensemble will provide students with a foundation in music theory, vocal techniques, performance practices, and music literature. Performance literature will cover a variety of musical styles and genres. Students will participate in choral department concerts as well as several outside performances and festivals. This choir is open to anyone who wants to sing, both with experience, or as a new singer.

A Cappella Choir \$**05111XA, 05111XB, 05111XC****(Will be added to schedules in the fall - ZERO PERIOD)****Prerequisite: Audition required**

Level: 9-12

Grad Requirement: SL

Trimesters: 3

A cappella ensemble is designed for students who want to participate in a group of elite singers. The choir is a small auditioned ensemble that performs for special events in addition to the normally scheduled concerts. This course will provide students with a chance to perform musical theater, jazz, and contemporary repertoire.

PHYSICAL EDUCATION/HEALTH

Lifetime Fitness

080011X

Prerequisite: None

Level: 9-12

Grad Requirement: PE

Trimesters: 1

Emphasis will be on learning basic fitness concepts and lifetime fitness activities. Students will learn how to monitor their target heart rate and work within recommended parameters. Included will be learning skills and rules of traditional games and some non-traditional games. Student must take two trimesters of Lifetime Fitness or one Lifetime Fitness and Intro to Fitness and Strength Training.

Intro to Fitness & Strength Training \$

08005CX

Prerequisite: None

Level: 9-12

Grad Requirement: PE

Trimesters: 1

This course is designed to teach students the proper techniques, skills and safety of fitness and strength training. This course will maximize fitness components including muscular strength, cardiovascular endurance and flexibility, which are applicable to all sports

and which carry into lifetime physical conditioning habits. This course is a prerequisite to Advanced Fitness and Strength Training.

Advanced Fitness & Strength Training \$ 08009XX

Prerequisite: Intro to Fitness & Strength Training and Lifetime Fitness

Level: 10-12 Grad Requirement: EL Trimesters: 1

Students in this course will participate in weight training, speed development and flexibility exercises. Each student will be furnished an individualized computer strength training program. This course will maximize fitness components including muscular strength, cardiovascular endurance and flexibility, which are applicable to all sports and which carry into lifetime physical conditioning habits.

SAQ (Speed, Agility & Quickness) \$ 08005XX

Prerequisite: Lifetime Fitness or Intro to Fitness

Level: 9-12 Grad Requirement: PE Trimesters: 1

SAQ emphasis will be on taking student's fitness to a higher level. Students will participate in flexibility, speed and quickness drills, and overall cardiovascular endurance activities. This class is for students who are serious about their commitment to lifetime fitness.

Aerobics \$ 08004XX

Prerequisite: Lifetime Fitness or Intro to Fitness & Strength Training

Level: 9-12 Grad Requirement: EL Trimesters: 1

This advanced course is designed to improve cardiovascular fitness, muscular endurance and strength. Course activities will include step, dance and kickboxing aerobics, strengthening exercises, abdominal and toning workouts and cardio-circuit training.

Health 08051XA, 08051XB

Prerequisite: None

Level: 10 Grad Requirement: HE Trimesters: 2

Health allows participants to acquire the knowledge and skills necessary to assume the major responsibility of directing their own health behaviors, and to reflect greater concern for the health of others. The program is a wellness-based approach emphasizing the current Oregon standards: Safe Living, Stress/Risk Taking Management, Physical Fitness and Nutrition.

Athletic Training 1, 2, 3, 4 14001T1, 14001T2, 14001T3, 14001T4

(ZERO PERIOD)

Prerequisite: None

Level: 9-12

Four courses offered as independent study for elective credit.

For students interested in pursuing careers in the sports medicine field. Students will complete coursework and practical work in the athletic training room. They will observe and assist the athletic training staff through prevention and care of athletic injuries. Learning through hands on experience.

SCIENCE

Freshman

- Biology (required for all freshmen)
- Intro to Forensic Science
(option, in addition to Biology)

Sophomore Options

- Chemistry
- Earth & Physical Science
- Introduction to Forensic Science

Junior/Senior Options

- Chemistry
- Earth & Physical Science
- Introduction to Forensic Science
- Forensic Science A, B, C
- Physics
- AP Physics
- Botany
- Environmental Science

-Forensic Science A & B
-Physics
-AP Physics

-AP Biology
-AP Chemistry
-Anatomy/Physiology

Biology

03051XA, 03051XB

Prerequisite: None

Level: 9 Grad Requirement: SC Trimesters: 2 NCAA Approved

Biology is a course which explores living systems. Biology A includes: the nature of the living condition, ecology, populations, the human influence on earth, biochemistry, respiration & photosynthesis. Biology B includes: cell division, genetics, evolution and classification of living things. Students will examine living systems from a global scale to a microscopic scale, in order to understand the structure and function of life.

AP Biology \$

03056XA, 03056XB, 03052XC

Prerequisite: Biology

Level: 11-12 Grad Requirement: SC Trimesters: 3 NCAA Approved

This is a dual-credit course through Portland Community College (Biology 101, 102, 103). Students earn four college credits/trimester for a total of 12 college credits. Students have the option of taking the AP Biology exam. An AP score of four or five may boost the college credits to the 200 level (needed for science majors). Successful students study 5-15 hours/week.

*Students who elect **not** to take the AP exam will have "**Advanced**" rather than "AP" designated on their transcript.*

(Dual Credit with PCC/LBCC – See Instructor/Counselor)

Environmental Science \$

03003XA, 03003XB

Prerequisite: Biology

Level: 11-12 Grad Requirement: SC Trimesters: 2 NCAA Approved

Students will explore issues in ecology and conservation to investigate and restore local habitats. They will need an understanding of general chemistry and biology to be successful. Students should expect to spend time off campus and outdoors.

Individual student projects are presented for evaluation at the end of the trimester.

Botany \$

03058XA

Prerequisite: Biology

Level: 11-12 Grad Requirement: SC Trimesters: 1 NCAA Approved

Botany is designed to study many aspects of plants; everything from the local flora around us to the xylem structure of trees. Students will spend time identifying plants, preserving them as herbarium specimens, and studying both their internal and external characteristics. Biological illustration will be explored as well.

Anatomy / Physiology \$

03053XA, 03053XB

Prerequisite: Biology

Level: 11-12 Grad Requirement: SC Trimesters: 2 NCAA Approved

This course is strongly recommended for students interested in the medical field. No AP exam, the grade you obtain goes directly onto your high school and college transcript. Anatomy and Physiology is both challenging and intellectually stimulating. Expect to study 5+ hrs per week.

(Dual Credit with PCC – See Instructor/Counselor)

Introduction to Forensic Science \$

03210IX

Prerequisite: None

Level: 9-10 Grad Requirement: SC Trimesters: 1 NCAA Approved

This course offers an overview of the basic principles covered in the field of forensic science.

SCIENCE (cont.)

Forensic Science A & B \$

03210XA, 03210XB

Prerequisite: Biology

Level: 10-12 Grad Requirement: SC Trimesters: 2 NCAA Approved

Forensic Science, or criminalistics, is intended to place students at the scene of a crime and provide them with the skills, experience (laboratory and basic knowledge) needed to assist in solving a crime. Students learn to identify, blood, drugs, poisons, weapons and other evidence present. The class will also focus on the impact of forensic science on criminals, law enforcement, prosecutors, defense attorneys, and on society today.

Forensic Science C \$

03210XC

Prerequisite: Forensic Science A & B; occasional transportation off campus

Level: 10-12 Grad Requirement: SC Trimesters: 1 NCAA Approved

This course will have students build mock crime scenes and practice the teamwork required to work those scenes by taking on the roles

of investigators, forensic scientists and other specialists.

Earth & Physical Science

03008XA, 03008XB

Prerequisite: None

Level: 10-12 Grad Requirement: SC Trimesters: 2 NCAA Approved

Earth & Physical Science is a course which explores the nature and structure of the universe, and Earth's place within that universe. This course will focus on the Earth and the Earth's systems, including how materials (water, minerals, carbon, oxygen) and energy are circulated through the planet, how the Earth changes over time, and how the physical development of the planet interacts with the development of life. It will also investigate how the laws of physics govern the formation of planets, stars, galaxies, and the universe, including the tools and techniques used to reach that understanding.

Chemistry

03101XA, 03101XB

Prerequisite: Biology

Level: 10-12 Grad Requirement: SC Trimesters: 2 NCAA Approved

Chemistry is the study of the chemical nature of matter with emphasis on atomic structure and understanding of elements, compounds and chemical reactions. The course investigates chemistry in everyday life.

AP Chemistry \$

03106XA, 03106XB, 03102AX

Prerequisite: Chemistry

Level: 11-12 Grad Requirement: SC Trimesters: 3 NCAA Approved

AP Chemistry prepares students to take the AP Chemistry test in the spring. It is a challenging college level course. The class is designed for students wishing to study medicine, engineering or other sciences in college. It is also designed for students applying to highly selective colleges. Students should contact the teacher regarding the summer review assignment.

Students who pass the AP Exam will have an opportunity to earn college credit.

Students who elect not to take the AP exam will have "Advanced" rather than "AP" designated on their transcript.

Physics

03151XA, 03151XB

Prerequisite: Biology

Level: 10-12 Grad Requirement: SC Trimesters: 2 NCAA Approved

Physics is a laboratory based exploration of the fundamental concepts that make our world work. The first trimester explores motion, mechanics, work and energy. The second trimester investigates electricity, magnetism, waves, and modern physics.

AP Physics \$

03155XA, 03155XB, 03152AX

Prerequisite: Biology and Geometry

Level: 10-12 Grad Requirement: SC Trimesters: 3 NCAA Approved

This course is a college level course which explores physics through hands on activities, labs, and extensive algebra-based problem solving. This fast-paced class investigates kinematics, Newtonian mechanics, work, power, energy, rotational motion, universal gravitation and orbits, static electricity, basic circuits, and mechanical waves in preparation for the AP Physics exam in the spring. This course is designed for students who are interested in pursuing science or engineering.

Students who pass the AP Exam will have an opportunity to earn college credit.

Students who elect not to take the AP exam will have "Advanced" rather than "AP" designated on their transcript.

SECOND LANGUAGE

Native Spanish-Speakers

Native Spanish-speakers are encouraged to meet with a high school Spanish teacher to evaluate their Spanish language skill level so that they may be appropriately placed in the Spanish course level that best meets their needs. As ability levels vary significantly, native speakers could be placed in Spanish 1 or even as high as AP Spanish. Many students may speak very well but lack strong reading and writing skills. Typically students with little experience reading and writing in Spanish are placed in Spanish 1 or Spanish 2. Students who demonstrate strong reading and writing skills are often placed in Spanish 3 or above.

Spanish 1

061011A, 061011B

Prerequisite: None

Level: 9-12 Grad Requirement: SL Trimesters: 2 NCAA Approved

Spanish 1 will emphasize listening and speaking the target language in addition to writing and reading. Culture is also stressed. The

majority of the class is conducted in Spanish making it very important for the student to come to class, pay attention, and participate. They cannot be shy or afraid to make mistakes, as this is how a new language is learned.

Spanish 2

061022A, 061022B

Prerequisite: Spanish 1

Level: 9-12 Grad Requirement: SL Trimesters: 2 NCAA Approved

Spanish 2 should be taken by students who have successfully passed Spanish 1 and who are interested in increasing their ability and knowledge of the language and culture. This class will be taught in Spanish, enabling the students to expand their comprehension while broadening their own vocabulary and learning new verb tenses. Extemporaneous speaking will be emphasized in second year Spanish.

Spanish 3

061033A, 061033B

Prerequisite: Spanish 2

Level: 9-12 Grad Requirement: SL Trimesters: 2 NCAA Approved

Students in Spanish 3 will continue to increase their proficiency in the areas of speaking, listening, reading and writing. Students will develop an in-depth understanding of Spanish grammar as they successfully incorporate and use a wide variety of verb tenses to express themselves in compositions and oral discussions. The course will continue to emphasize vocabulary development on a wider variety of topics and seek to improve student awareness of Spanish-speaking cultures.

(Potential to earn Dual Credit – See Instructor/Counselor - \$)

Spanish 4

061044A, 061044B, 061044C

Prerequisite: Spanish 3

Level: 9-12 Grad Requirement: SL Trimesters: 3 NCAA Approved

The Spanish 4 Language course is intended to be equivalent both in content and difficulty to an advanced level college Spanish Language course. Students will continue developing proficiency skills in speaking, listening, reading, and writing in Spanish, to demonstrate competence in the communicative goals of the course. The study of grammar and vocabulary for communication in real life situations will also play a role in this course. Extensive practice in the analysis and synthesis of materials as well as the organization and writing of compositions is emphasized. In addition, this course will help students to become familiar with cultures and issues related to Spanish-speaking communities. The class will be conducted completely in Spanish and students are expected to speak in Spanish at all times.

(Dual Credit with CCC – See Instructor/Counselor - \$)

AP Spanish \$

06112AA, 06112AB, 06999AC

Prerequisite: Spanish 4, or Teacher recommendation

Level: 9-12 Grad Requirement: SL Trimesters: 3

This course is recommended for the serious student who has reached above average competency in Spanish. The AP Spanish Language and Culture course is a rigorous college preparatory course taught exclusively in Spanish. The course focuses on the integration of authentic resources including online print, audio and audiovisual resources, as well as traditional resources including the introduction of some literary works in Spanish. Emphasis will be given to the development and use of the second language skills of speaking, listening, reading, and writing; and cultural studies.

Students who pass the AP Exam will have an opportunity to earn college credit.

Students who elect not to take the AP exam will have “Spanish 5” rather than “AP” designated on their transcript.

SOCIAL SCIENCE

World History

04052XA, 04052XB

Prerequisite: None

Level: 9 Grad Requirement: WH Trimesters: 2 NCAA Approved

This course is a thematic course which studies modern U.S. and world history between 1880 and 1945 as well as how geography, economics and culture have impacted historical events. In section A, students will learn and utilize basic geography skills and concepts and examine the historical eras of industrialization and reform, imperialism and the First World War. Section B will examine revolutions in early twentieth century, WWII and its impact, as well as the Great Depression and comparative responses.

U.S. History

04103XA, 04103XB

Prerequisite: World History

Level: 10 Grad Requirement: US Trimesters: 2 NCAA Approved

This is the second sequence in a two-year thematic study of modern U.S. and world history as well as how geography, economics and culture have impacted these historical events. In section A students will examine life after WWII, the Cold War, and the Korean and Vietnam Wars. Section B will focus on modern issues in the post 60's world to today's global concerns.

AP European History

04056XA, 04056XB, 04201XX

Prerequisite: World History and conversation with current Teacher highly recommended

Level: 10-12 Grad Requirement: SE Trimesters: 3 NCAA Approved

This course is designed to increase the student's understanding of European history from 1450 to present, its development and institutions, with the goal of having each student pass the AP examination. The course is divided into three trimesters, 1450-1740, 1740-1914 and 1914-present. The areas of concentration include political, social and economic institutions, as well as cultural and intellectual development. At the end of the program students will take the AP examination and those students who achieve a specific score on the exam may earn college credit (6-9 quarter hours) upon admission to college. The third trimester of this course will satisfy the economics graduation requirement. Sophomores considering AP US History may be allowed to delay US History until their junior year. This course satisfies social science selective and economics graduation requirement.

Students who pass the AP Exam will have an opportunity to earn college credit.

*Students who elect not to take the AP exam will have "**Advanced**" rather than "AP" designated on their transcript.*

AP U.S. History

04104XA, 04104XB, 04151XX

Prerequisite: World History and conversation with current Teacher highly recommended

Level: 10-12 Grad Requirement: US Trimesters: 3 NCAA Approved

AP U.S. History is designed to provide students with analytic skills and factual knowledge necessary to deal critically with the facts, events, problems and interpretation in U.S. History. This course is aimed at all college-bound students and thus requires college level standards, being specifically designed for motivated students willing to commit to a college level course. The course will focus on events from pre-Revolution to the present. At the end of the program students will take the AP examination and those students who achieve a specific score on the exam may earn college credit (6-9 quarter hours) upon admission to college. While the course is open to all sophomores, it is strongly recommended that they were successful in the English 9 Honors course. This course satisfies US History and Government graduation requirement.

Students who pass the AP Exam will have an opportunity to earn college credit.

*Students who elect not to take the AP exam will have "**Advanced**" rather than "AP" designated on their transcript.*

Government

04151XA

Prerequisite: None

Level: 12 Grad Requirement: GV Trimesters: 1 NCAA Approved

Civics is a one trimester course which focuses on the political concepts, principles, and systems at the international, federal, state, and local levels as well as the rights and responsibilities of citizens.

Economics

04201XA

Prerequisite: None

Level: 12 Grad Requirement: EC Trimesters: 1 NCAA Approved

Economics is a one trimester course which focuses on the economic concepts, principles, and systems at the international, federal, state, and local levels as well as what it means to be a consumer in these systems.

Sociology

04258XX

Prerequisite: None

Level: 10-12 Grad Requirement: SE Trimesters: 1 NCAA Approved

Sociology is the study of humans and their relationships with others. The study focuses on group behavior and how the environment, attitudes, group pressures, and social institutions dictate and shape social behavior.

Psychology

04254XX

Prerequisite: None

Level: 10-12 Grad Requirement: SE Trimesters: 1 NCAA Approved

Psychology is the study of human behavior. The course focuses individual behavior, learning, memory, intelligence, and personality theories. It also explores ways in which the study of psychology may help the individual reach his/her full potential.

SOCIAL SCIENCE (cont.)

Model United Nations (M.U.N.)

04155XX

(Will be added to schedules T3 - ZERO PERIOD)

Prerequisite: None

Level: 9-12 Grad Requirement: SE Trimesters: 1

M.U.N. is a statewide program that emulates the activities of the United Nations, including the Security Council, the General Assembly, and its various committees. Students assume the roles of diplomatic representatives of Member State to the United Nations. Throughout the year, student delegates in Model United Nations gain understanding of global issues and complexities of global system through research, discussion, and debate. Meetings are held once a week during zero period (7:00 am—7:45 am). Students who successfully meet M.U.N. requirements receive 0.5 credits for the school year.

Current Events

04064XX

Prerequisite: World History and US History

Level: 11-12 Grad Requirement: SE Trimesters: 1

In this class we will utilize 21st century technology to explore current events and the media's portrayal of them. Topics will include themes like the impact of Islam in a post 9-11 world, women's rights, Arab Spring, the superpower China, the ongoing struggle against genocide, AIDS versus Africa, the power of twitter and google, current environment issues and a crash course in geography. If you are interested in becoming a more well-informed citizen of the world you live in, then this course is for you.

World War II Holocaust**04065FX****Prerequisite: World History**

Level: 10-12 Grad Requirement: SE Trimesters: 1

This course examines the conditions in the world that allowed for the rise of dictators including Hitler, Stalin and Mussolini. We will study their time in power, the ramifications of their rule, as well as how their actions led a world to war. We will then shift our study to a closer look at the war itself, both in Europe and in the Pacific. Lastly, we will end the course with an in-depth look at the holocaust and other wartime atrocities.

History through Cinema**04065CX****Prerequisite: World History**

Level: 10-12 Grad Requirement: SE Trimesters: 1

This course is an elective in the social studies department designed to teach students world history through the viewing, discussing and analyzing of classic films. It is a unique, yet educational way to teach history. Areas of study will include, but not be limited to the following: Exploration, Slavery, The French and Indian Wars, Colonial Life, The Revolutionary War, Building a New Country, Western Expansion, Immigration, The Civil War, Reconstruction, The Wild West, Imperialism, Progressivism, WWI, The Great Depression, WWII, the Holocaust, The Cold War, Segregation & Integration, and The Space program, Vietnam, Life in the 70's, through the present.

The American Civil War**04149XX****Prerequisite: World History**

Level: 10-12 Grad Requirement: SE Trimesters: 1 NCAA Approved

This course covers the American Civil War era from the earliest seeds of disunion at the Constitutional Convention to the end of Reconstruction. Economics, government, geography, multicultural and current perspectives and citizenship will be utilized to understand this period of history.

Archaeology & Prehistory**04251XX****Prerequisite: None**

Level: 11-12 Grad Requirement: SE Trimesters: 1

This course will introduce students to the methods archaeologists use to investigate human cultures in prehistoric times. The course also covers the evolution of humans physically and behaviorally over the past several million years. Emphasis will be placed on the development of agriculture and complex societies in the old and new worlds. The course will be taught at a college level of difficulty. (Dual Credit with PCC – See Instructor/Counselor)

Native American History**04061AX****Prerequisite: None**

Level: 10-12 Grad Requirement: SE Trimesters: 1 NCAA Approved

This course is an overview of the Native American experience in North America from first contact with Europeans to the current efforts to restore federal trusteeship and support for the tribal sovereignty of terminated tribes in Oregon and elsewhere. The objective of the course is to enhance students' understanding of American Indian relations with the people and government of the United States. We will examine the processes by which American Indians lost much of their autonomy to the United States by 1900 and won a portion of it back again in the 20th century. The course explores the changes in government policies, and the social and economic effects of those changing policies. Students will be exposed to Native American perspectives on familiar historical events, such as the American Revolution, the Civil War, the New Deal, and the 1960s Counterculture Movement.

SPECIAL PROGRAMS

Independence Academy - Student**222511A****Prerequisite: IEP Active**

Level: Transition Age 18 - 21 Grad Requirement: EL Trimesters: 1, 2, and 3

Independence Academy is a cooperative arrangement between the Sherwood Schools and the Sherwood YMCA for the purpose of supporting students, ages 18-21 years old, with their continued individualized educational and transitional needs. The YMCA Teen Center acts as the hub for activities in developing skills of: Work Readiness, Independence, and Community Connections.

Access**22252TX****Prerequisite: Current IEP**

Level: 9-12 Grad Requirement: EL Trimesters: 1, 2, or 3

This class is designed to support learners who need specially designed instruction in core areas such as reading, writing, and math.

This is a Pass/Fail course where students' grades are based on a number of required assignments throughout the trimester.

Consumer Mathematics

02157XA, 02157XB

Prerequisite: Referral only by Counselor, IEP Team, or Administration

Level: 11-12 Grad Requirement: EL Trimesters: 1 or 2

This course is designed for Juniors and Seniors that need instruction on real-life mathematics in real-world contexts. Students will learn concepts including, but not limited to: wages and salary, budgeting and banking, daily living expenses, and taxes. Students will complete guided practice, practical application and simulated real-life experiences.

ELD—Content Support

22003XA

Prerequisite: Current eligibility for ELD

Level: 9-12 Grad Requirement: EL Trimesters: 3

This course is English Language Development, for students who have a second language in the home and have current ELD eligibility through assessment. ELD content support focuses on thematic units for vocabulary and comprehension building, as well as form and function of the English language. Students are working toward a proficient level with their English language reading, writing, speaking, and listening skills in the academic setting. Students also have opportunity to receive support for their content area classes on a weekly basis. (Pass/Fail grade)

Academic Language Support

22003LS

Prerequisite: Students who have exited ELD during their K-12 schooling

Level: 9-12 Grad Requirement: EL Trimesters: 1, 2, or 3

This course is designed to provide exited ELD students with academic language support, vocabulary support, self-advocacy skills, class discussion skills, study skills and organizational skills to be successful and pass their content classes for graduation requirements. A qualifier for this class is that a student is not currently receiving ELD services, but is either in monitor status from exiting or has received ELD services sometime during their academic years. (Pass/Fail grade)

Functional Academics

22251FA

Prerequisite: Students must have a current IEP

Level: 9-12 Grad Requirement: EL Trimesters: 1, 2, or 3

This class is designed to meet the specially designed instruction needs for students in the following areas: daily living skills, communication, functional reading, functional math, vocational training, social skills training and community access training.

Modified English

01999MA, 01999MB

Prerequisite: Referral only by Counselor, IEP Team, or Administration

Level: 10-12 Grad Requirement: EL Trimesters: 1 or 2

This course is designed for 10th-12th graders who need specially designed instruction and support with basic reading and writing skills. This class focuses on high interest texts of appropriate reading level, basic rules of conventions, simple writing tasks, and discussion/questioning. Students will strengthen their skills to be successful in mainstream English and post-secondary options.

Transition

22251TX

Prerequisite: Teacher signature required and current IEP

Level: 11-12 Grad Requirement: EL Trimesters: 1

This class is designed to help students who are on an IEP meet their transition goals. The course is generally centered around the needs of the students so it may change from trimester accordingly. Possible topics covered include but are not limited to: transition survey, personality testing, career interest surveys, financial planning, taxes and paycheck deductions, job searching, job interviews, resume writing, post-secondary living, and more.

Vocational Education

22151VE

Prerequisite: Students must have a current IEP

Level: 9-12 Grad Requirement: EL Trimesters: 1, 2, or 3

This course is designed to address IEP goals in the areas of: vocational skills, workplace communication, and social skills. With and without the assistance of peer tutors under the supervision of staff, students will be trained on various job related tasks around the school, district, and community. Students will build vocational skills, gain workplace communication skills, and build working relationships. **This is a "Pass/No Pass" course.**

SPECIAL PROGRAMS (cont.)

Independent Study

(Will be added to schedules for T1, T2, T3 - ZERO PERIOD)

Prerequisite: Completed Independent Study application and Principal approval/signature required

Level 9-12 Grad Requirement: EL Trimesters: 1

Note: Students may be placed in a number of Special Education classes based on their current needs and their Individual Education Plans (IEP). These courses may include, but are not limited to: Bowmen Production, Independence Academy, Functional Academics, Vocational Ed., etc. Please work with your IEP Case Manager for specific details.