

**2019 - 2020**

**ACADEMIC PROGRAM PLANNING**



**SUNSET HIGH SCHOOL**

**13840 NW CORNELL ROAD  
PORTLAND, OR 97229**



# Table of Contents

|   |           |
|---|-----------|
| <b>Academic Definitions and General Information .....</b> | <b>3</b>  |
| <b>College Admission Requirements .....</b>               | <b>5</b>  |
| <b>BSD Diploma Requirements .....</b>                     | <b>7</b>  |
| <b>Career Development .....</b>                           | <b>8</b>  |
| <b>Recommended Course Sequence .....</b>                  | <b>9</b>  |
| <b>International Baccalaureate (IB) .....</b>             | <b>10</b> |
| <b>SHS Honors Program .....</b>                           | <b>11</b> |
| <b>Dual Credit Opportunities .....</b>                    | <b>12</b> |
| <b><u>Course Descriptions</u></b>                         |           |
| <b>Business Education .....</b>                           | <b>16</b> |
| <b>Business Career Pathways .....</b>                     | <b>16</b> |
| <b>Computer Science and Engineering .....</b>             | <b>22</b> |
| <b>Computer Science Pathway .....</b>                     | <b>22</b> |
| <b>Engineering Pathway .....</b>                          | <b>23</b> |
| <b>English Language Development .....</b>                 | <b>27</b> |
| <b>Fine Arts .....</b>                                    | <b>28</b> |
| <b>Visual Arts .....</b>                                  | <b>28</b> |
| <b>Instrumental Music .....</b>                           | <b>32</b> |
| <b>Vocal Music .....</b>                                  | <b>33</b> |
| <b>Theater .....</b>                                      | <b>34</b> |
| <b>Health Education .....</b>                             | <b>36</b> |
| <b>Language Arts .....</b>                                | <b>37</b> |
| <b>Language Arts Sequence .....</b>                       | <b>37</b> |
| <b>Mathematics .....</b>                                  | <b>41</b> |
| <b>Math Sequence .....</b>                                | <b>41</b> |
| <b>Other Elective Options .....</b>                       | <b>46</b> |
| <b>Physical Education .....</b>                           | <b>53</b> |
| <b>Science .....</b>                                      | <b>55</b> |
| <b>Science Sequence .....</b>                             | <b>55</b> |
| <b>Social Sciences .....</b>                              | <b>60</b> |
| <b>World Languages .....</b>                              | <b>64</b> |
| <b>Off Campus Options .....</b>                           | <b>68</b> |
| <b>Course Numbers .....</b>                               | <b>73</b> |

# General Information

## **The Semester Calendar**

Sunset's school calendar is 36 weeks long and is made up of two semesters. Each semester is 18 weeks long. Grade reports are issued at 9 week intervals. A progress report is sent home to families midway through both first and second semester (at week 9 and week 27). These reports serve as updates on a student's progress and are not reflected on a student's transcript. Grades are posted on transcripts only at the end of first semester and the end of the second semester (at week 18 and week 36).

## **Credits**

Credits are the units by which academic progress is measured. Students earn .5 credit by passing one semester class. Each semester students can earn a potential 3.5 credits for a total of 7.0 credits per year. Students need 24 credits for graduation in accordance with District graduation requirements.

## **Academic Standing**

Grade point average (GPA) is computed on a four-point scaled with the following point values awarded per grade: A=4, B=3, C=2, D=1, and F=0.

## **Weighted Grades**

Within this guide all courses designated with an Asterisk (\*) are weighted courses. International Baccalaureate (IB) and dual credit courses, which may be transferable to 4-year colleges or universities and are taught at the high school or are part of a sequence which is not available/attainable at Sunset, will be weighted. Weighted grades are calculated only on the transcript and the following point values are awarded per grade in these classes: A=5, B=4, C=3, D=1, and F=0. (Please note: grades of "D" or "F" are not weighted). Both unweighted and weighted GPAs are computed and recorded on a student's academic transcript. A complete copy of the weighted grades policy may be obtained in the Main Office, A published list of all weighted courses in the Beaverton School District can be found via this link:

<https://www.beaverton.k12.or.us/PS/Pages/WeightedCourses.aspx>

## **Graduation:**

A student who is in good standing and who successfully completes all requirements of the State of Oregon, The Beaverton School District's Board of Education, and Sunset High School may participate in graduation. In order to meet the state and district requirements, Sunset High School has the following graduation requirements: students must earn their required number of credits, meet their required essential skills, and complete their career education and senior project requirements.

### ***Valedictorians***

The Valedictorian is determined by the student(s) with the highest weighted GPA at the end of the 8th semester. The student(s) must have attended Sunset for a minimum of three years. In the event that more than one student finishes with the highest weighted GPA, a committee of Sunset staff will determine the Valedictorian based on factors including, but not limited to:

1. IB Diploma candidacy and/or number of IB and other rigorous courses taken.
2. Contributions to the Sunset and Beaverton communities.
3. Participation in co-curricular and extra-curricular activities, and/or
4. ACT scores.

### ***Salutatorians***

Any student achieving a 4.0 GPA or higher, either weighted or un-weighted, will be recognized as a Salutatorian.

### ***Commencement Speeches***

Speeches at the Commencement Ceremony will be open for audition to all students who have attained a 4.0 or higher GPA, either weighted or unweighted. A committee of peers and staff members will vote on who will receive this honor.

### **Athletic/Activity Eligibility**

Students must meet the Beaverton School District and OSAA eligibility standards if they wish to participate in athletics or extra-curricular activities. There are specific standards regarding participation during the first six weeks of school. All ninth graders are eligible to participate during the first six weeks of school if they are taking five or more classes. After that, there will be additional standards for 9-12 grade students. **See Sunset's Athletic Director for eligibility standards.**

### **Course Repetition**

Most courses (grades 9-12) for which a student has received a passing grade cannot be repeated for credit. Exceptions to this policy are listed below:

Music (Choir and Band), Theater, ESL, PE, Yearbook, Newspaper, Leadership and TA and Peer Tutor. Second language courses and math courses may be repeated for elective credit with prior approval and by special arrangement.

### **Class Attendance**

Regular attendance and punctuality are critical life-long skills, which are emphasized at Sunset. Because performance in class through collaborative activities is an essential element of student learning and assessment, and because students must be present to achieve these outcomes, student absences must be minimized.

### **Withdrawal from a Class/Schedule Changes**

At the beginning of each semester, students may complete a "Student Request to Add/Drop a Class" form for any of the following reasons: incomplete schedule, adjustments due to subject failure, and a level change due to teacher recommendation. Schedules will not be changed for preferred teacher requests. Due to limited availability and space, elective classes may only be dropped/changed for late arrival, early dismissal and peer tutor or teacher assistant courses. A parent/guardian must give permission for course changes. **If a student withdraws from a class after the first five school days of either semester, he/she will receive a "withdraw fail" (WF) grade for the class. The WF will be listed on the student's transcript.**

### **Withdrawal from a Class/Schedule Changes**

Students may request a schedule change during the first five days of each semester. Schedule change requests will be considered for the following reasons only: incomplete schedule, adjustments due to subject failure, a level change due to teacher recommendation, or to add a Teacher Assistant (TA), study hall, early release or late arrival to a student's schedule. To request a schedule change, students must complete a hard copy of the "Schedule Change Petition" form with all required signatures and submit it to the counseling office by 3:00 PM on the 5<sup>th</sup> school day of the semester. **If a student withdraws from a class after the first five school days of either semester, he/she will receive a "withdraw fail" (WF) grade for the class. The WF will be listed on the student's transcript.**

**Please note: schedules will not be changed for preferred teacher requests.** Also, due to limited availability, class size or other schedule restrictions, some requests will not be possible to accommodate. In these situations, Counselors will communicate with students and families about their options.

### **Additional Course Work/Credit Recovery**

Students who have failed classes have multiple ways to earn additional credits in order to continue progress towards graduation. These options include: after school credit recovery courses at Sunset High School, Work Experience or Community Service Learning credit, BSD summer school or by completion of coursework through another accredited learning institution. **Any and all coursework completed outside of Sunset, must be approved prior to enrolling and students may apply no more than 6 credits of off-campus learning towards graduation requirements.** Students and families should work with their counselor to determine which of these options is best for their situation.

### **Student Placement**

Student placement in language arts, math, science and social studies will be based on present classroom work, past performance, test scores and other criteria related to the student's ability, potential and career goals. Check the forecasting sheet closely for classes that need a teacher's approval or signature prior to enrollment.

### **Removal or Changes in Grades in High School Courses Taken in Eighth Grade**

The District encourages students to perform at the highest academic levels, and for some students this includes taking high school courses as part of the middle school experience. These courses are not automatically included in the high school transcript. According to District Regulation (IKF/IKFA/IKH-AR Graduation Requirements), only students planning to graduate from high school in less than four years may request to have high school courses taken during middle school entered on the high school transcript. This applies only to courses in mathematics (Geometry and higher) and world languages (high school Level I, or higher) that presented the same curriculum and proficiency demands as the equivalent high school course, and was taught by a district teacher certified to teach the course at the high school level.

### **SHS Profile, Clubs and BSD Options Information:**

Sunset High School Academic Profile, Sunset's Clubs and Activities information and BSD Options Information can be accessed via these links:

- [Click here for the SHS Academic Profile](#)
- [Click here for SHS Clubs and Activities](#)
- [Click here for BSD Options information](#)

## **College Admission Requirements**

### **The Four-Year College and University Process**

Four-year colleges and universities offer students the chance to continue their education in all subject areas and the opportunity to earn a Bachelor of Arts (BA) or Bachelor of Science (BS) degree by focusing on a specific major. Some also offer graduate and professional degrees.

The most significant difference that students need to be aware for college entrance requirements is that colleges DO NOT consider "D" grades to be passing grades. So, if you passed a class in high school with a "D", colleges will not count that as passing for their admission process. Please talk to your counselor if you have earned "Ds" in your high school classes and want to attend a four-year university after graduation.

Within the four-year college choices, you will find public as well as private/independent schools. These various types of colleges have different standards for admissions. However, all colleges will expect students to have shown in high school that you are dedicated to school and are ready for college-level work. That means earning Cs and above in high school classes, having a GPA that is generally 3.0 or above, and taking college entrance tests like the ACT or SAT.

#### **Advantages of the Four-Year College Path:**

There are a variety of advantages to selecting the four-year college path. For example:

- 1) Competitive scholarships are offered to students based on academic skills, athletic abilities, special talents or other characteristics. (Please note: these vary by college.)
- 2) Many colleges offer study-abroad or study-away programs to enhance the college experience.
- 3) There may be opportunities for on-campus work, internships and/or research projects with Ph.D. level faculty.
- 4) Facilities, technology and classrooms may be updated more frequently.
- 5) Students generally live on-campus for at least one year of the college experience; many campuses also offer a "commuter" student option for students attending a college near their family home.
- 6) There are typically a wide variety of sports, activities, music and club offerings in which students can participate.

# Minimum Entrance Requirements for the Oregon Public Universities

The Oregon Public Universities (Eastern Oregon, Oregon Tech, Oregon State, Portland State, Southern Oregon, University of Oregon and Western Oregon), require students to meet 15 Subject Area Requirements to be eligible for admissions. These Subject Area Requirements are:

4 credits English

3 credits Math

3 credits Science

3 credits Social Studies

2 credits World Language

The universities also set minimum GPA expectations for admission. Eastern Oregon sets a minimum high school cumulative GPA of 2.75, but all other Oregon Public Universities require that students have a minimum cumulative high school GPA of 3.0 or higher to be considered for “regular admissions”.

However, in addition to “regular admissions”, the Oregon Public Universities also conduct more comprehensive review of applicants who do not meet the minimum required GPA for admission. Reviews include additional factors such as standardized test results, rigor of courses taken, review of a writing sample or personal essays, non-cognitive factors, and other indicators that predict potential success in college. Academic performance and meeting minimum qualifications are not the sole criteria for admission to one of Oregon’s Public Universities. A university may evaluate other factors to determine ability to maintain the standards of academic and professional conduct expected at the university.

For information regarding other entrance requirements for a specific university, please check the individual university’s website.

## The Two-Year College Process

Community Colleges:

Most Community Colleges are public schools offering education and training programs that are two years in length or shorter. These programs lead to an associate of arts (AA) degree, associate of science (AS) degree or associate of applied science degree (AS). In many cases, students who earn two-year degrees may receive credit toward their Bachelor of Arts (BA) or Bachelor of Science (BS) degrees if/when they transfer to four-year colleges or universities. Community Colleges also offer many pathways and certificates for technical and professional programs.

Junior Colleges:

There are also several private two-year institutions that prepare students to transfer to four-year colleges or universities. These institutions are called "Junior Colleges". Different from community colleges, Junior Colleges have more housing options and will often have more of a “college campus” feel than community colleges. Similar to Community Colleges though, the highest degree that they offer is usually an associate's degree and many of the credits earned there can be transferred to four-year colleges and universities.

Advantages of the Two-Year College Path:

There are a variety of advantages to selecting the two-year college path. For example:

- 1) Tuition, fees and the general cost of the educational experience may be much less expensive.
- 2) It provides an opportunity to gain experience in college level classes in a more flexible environment than most four-year colleges or universities can provide.
- 3) It is often easier to have a job while attending two-year institutions.
- 4) If students struggled academically in high school, completing coursework at a two-year college allows them to demonstrate their readiness for college level work.
- 5) Transfer admissions requirements to four year colleges or universities are generally less rigorous; so, doing well at a two-year college can give you a wider variety of four-year university options.



**Beaverton School District Diploma Requirements**

**BSD Diploma Requirements**

| Subject   | Credits |
|---|---------|
| English/Language Arts                                   | 4       |
| Mathematics – Algebra I (AGS I) level or above          | 3       |
| Science   | 3       |
| Social Studies  | 3       |
| Physical Education I/Physical Education II              | .5 / .5 |
| Health  | 1       |
| Second Language, The Arts, Career & Technical Education | 3       |
| Elective  | 5.5     |
| Career Development                                      | 0.5     |

**Total Credits**

**Essential Skills**

|  |   |
|--|---|
| Read & Comprehend a Variety of Text        | Smarter Balanced/ASPIRE/ACT/ Work Sample/ SAT |
| Write Clearly & Accurately                 | Smarter Balanced/ ACT/ Work Sample/SAT        |
| Apply Mathematics in a Variety of Settings | Smarter Balanced/ASPIRE/ACT/ Work Sample/ SAT |

**Personalized Learning**

|  |  |
|--|--|
| Educational Plan & Profile                 | Develop an educational plan and build an educational profile to guide learning toward student's personal, career and post-high school goals.                           |
| Career-Related Learning Experiences (CRLE) | Participate in experiences that connect classroom learning with real life experiences in the workplace, community, and/or school relevant to student's education plan. |
| Extended Application (Senior Project)      | Apply and extend knowledge related to the student's personal and career interests and post-high school goals.  |

# Career Development

The State of Oregon mandates that all students complete .5 credits of Career Education in order to graduate. While students do not forecast for Career Education as a course, these .5 credits are earned by participating in a variety of career-related activities over the course of each grade level during the 8th period Access Tutorial course, earning .125 Career Education credits per year. By the end of their senior year, students who have completed their Career Education each year will have earned the required .5 credits.

For students to meet the Career Education requirements a student must:

- Develop an education plan and build a 4-year educational Plan and Profile.
- Participate in four career-related learning experiences (CRLE's), write a resumé and a job application.
- Apply and extend knowledge via Mock Interviews and a Senior Presentations.

Please contact your school counselor or the College and Career Center if you have any questions.



# Recommended Course Sequence

Students need to earn a minimum of 24 credits to graduate. Students should follow an ambitious course of study in high school in preparation to meet the challenges of post-high school education.

| Area   | Freshmen  | Sophomores                                      | Juniors   | Seniors  |
|--|---|---|---|--|
| <b>Language Arts</b><br>4.0 Credits                                      | Lit and Comp 9  | Lit and Comp 10                                 | Lit and Comp 11<br>IB Language & Lit HL I                       | Lit and Comp 12<br>IB Language & Lit SL II<br>IB Literature HL II<br>Writing 121 |
| <b>Mathematics</b><br>3.0 Credits  | AGS I, II or III  | AGS II, AGS III or<br>Advanced Math Options     | <i>(See chart on page 41<br/>or 42 for<br/>recommendations)</i> | <i>(See chart on page 41 for<br/>recommendations)</i>                            |
| <b>Social Studies</b><br>3.0 Credits                                     | World History 9<br><i>(Honors recommended)</i>  | World History 10<br><i>(Honors recommended)</i> | IB History SL or<br>IB History HL I                             | IB History HL II<br><i>(See additional options<br/>under Social Science)</i>     |
| <b>Science</b><br>3.0 Credits  | Physics I or STEM Physics   | Chemistry I or<br>STEM Chemistry                | Biology I<br>IB Bio/Phys/Chem. App.                             | <i>(See chart on page 55 for<br/>recommendations)</i>                            |
| <b>Health</b><br>1.0 Credit  | Health 1 (.5 credit)  | Health 2 (.5 credit)                            | This requirement may<br>also be taken in grade<br>11            | This requirement may<br>also be taken in grade 12                                |
| <b>Physical<br/>Education</b><br>1.0 Credit                              | 1 Freshmen "Total Fitness"<br>Class   | PE (.5 Credit)                                  | This requirement may<br>also be taken in grade<br>11            | This requirement may<br>also be taken in grade 12                                |
| <b>Career<br/>Development</b><br>0.5 Credit                              | Students attend Advisory during 8th period. The required .5 Career Education credit is earned at a rate of .125 credits per year. Each grade level has established activities that include self-assessment, reflection, development of a plan and profile, career research, career related learning experiences (CRLE's), writing a resume, completing a job application and mock interview, culminating in a Senior Project. |   |   |  |
| <b>Applied Arts,<br/>Fine Arts,<br/>World<br/>Language</b><br>3.0 Credit | Three credits must be earned in the following areas: music, visual arts, theater arts, business education, automotive technology, computer science, engineering, or world language. Most colleges and universities require a minimum of two years of a world language, though highly competitive colleges may require three years. <i>(Honors recommended for students interested in challenging themselves)</i>              |   |   |  |
| <b>Electives</b><br>5.5 Credits  | All students, with the assistance of the parent/guardian and school counselor, will select a combination of elective courses which best meet the needs of their post-high school graduation plans. Additional courses, beyond the required classes in language arts, math, social studies or science, count as elective credits.  |   |   |  |
| <b>Total Credits</b>   | 6-7 Credits   | 6-7 Credits                                     | 6-7 Credits   | 6-7 Credits  |

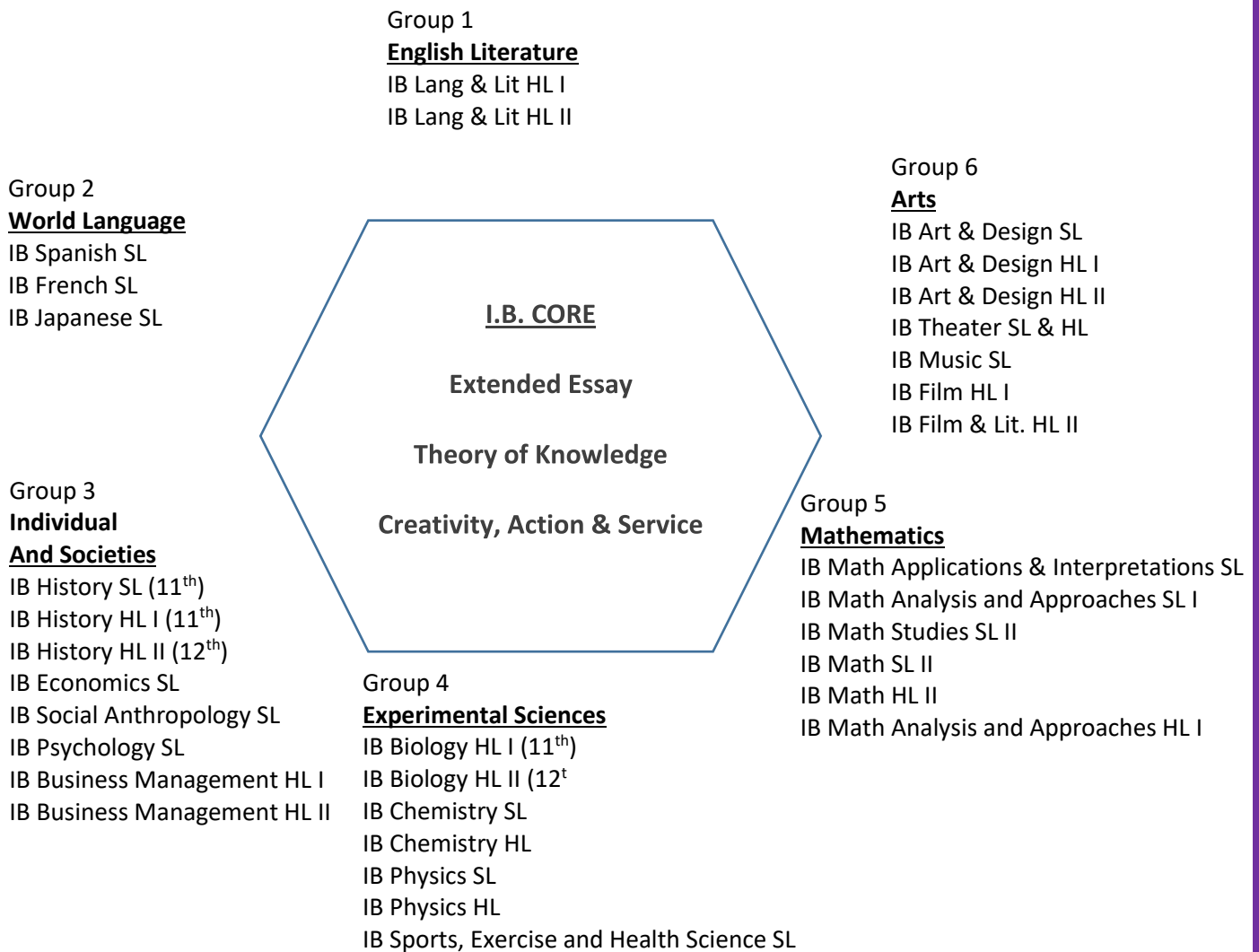
# International Baccalaureate (IB) and Honors

## International Baccalaureate (IB)

The aim of all International Baccalaureate (IB) programs worldwide is to develop internationally minded people who, recognizing their common humanity and shared guardianship of the planet, help to create a better and more peaceful world. As an IB World School, Sunset High School offers a complete spectrum of IB courses and activities, including the IB Diploma program, to assist our students in their accomplishment of both this aim and their personal educational goals.

### The IB Diploma Program

The IB Diploma is the most rigorous academic course of study offered to students. To achieve the IB Diploma, students choose a course of study from the six academic subject areas: English Language and Literature, World Language, Individuals and Societies, Experimental Sciences, Mathematics, or the Arts. The Diploma requires students to study at least 3 (and no more than 4) of these subjects at the Higher Level (2-year courses), and 3 (or 2) of the subjects at the Standard Level. Additionally, students must complete a course in the Theory of Knowledge, complete an Extended Essay on a topic of their choice, and complete a portfolio of individually chosen out of classroom creative projects, physical activities, and community service.



[Click HERE for all the details on Sunset's International Baccalaureate Program.](#)

# Sunset Honors Diploma

Sunset High School encourages students to challenge themselves and foster their aspirations as learners. The Sunset Honors Diploma is one way to accomplish this. Sunset will recognize Honors Diploma recipients at graduation.

## **Awarding the Diploma**

Students who seek to achieve the Sunset Honors Diploma will need to earn a minimum of 12 credits in honors designated courses and through accelerated academic learning activities throughout their four years at Sunset High School. Grade requirements apply to honors courses and honors activities.

## **Sunset Honors Program Courses:**

The following courses have been designated as honors courses. Participation in these courses, and achieving a course grade of B or above, qualifies a student to earn credit toward the Honors Diploma. The curriculum in these courses is structured to prepare students for their continued study in Sunset's IB Program courses.

### Freshman Honors Courses:

- AGS III, Accelerated AGS III or higher-level math
- STEM Physics
- STEM Chemistry
- Java Programming
- Spanish Language as Literature Levels I and II

### Sophomore Honors Courses:

- STEM Chemistry/Stem Physics
- Any International Baccalaureate (IB) Course (*note: IB testing not available for sophomores*)
- Spanish Language as Literature Levels I and II

### Junior and Senior Honors Courses:

- Any International Baccalaureate (IB) Course
- AP Statistics
- Spanish Language as Literature Levels I and II
- Health Careers and Advanced Health Careers
- Dual-Credit Courses (PCC, PSU)

## **Sunset Honors Program Courses with Accelerated Academic Honors Activities**

The following courses contain within them opportunities to gain an honors designation through student-driven, and teacher-facilitated, accelerated academic learning activities. The accelerated activities within these courses are intended to be research based and prepared by the student independently as an extension of their learning in the course. Accelerated learning activities are designed to prepare students for their continued study in Sunset's IB Program courses.

### Freshman Honors Activities available in:

- Freshman Literature and Composition
- Freshman World History
- World Language levels I-III, Honors, 9-12
- Art 1, Graphic Design 1
- Art 2, Graphic Design 2, Ceramics 1 & 2
- Spanish Language as Literature Levels I and II

### Sophomore Honors Activities available in:

- Sophomore Literature and Composition
- Sophomore World History
- World Language I-III, Honors, 9-12
- Art 1, Graphic Design 1
- Art 2, Graphic Design 2, Ceramics 1 & 2
- Spanish Language as Literature Levels I and II
- Dual Credit Classes

# Dual Credit Opportunities

## Portland Community College

### **ACCOUNTING I (Dual Credit)**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: None**

This course will give students a range of accounting concepts that apply to a variety of business situations, as well as many of the personal finance concepts necessary in the real world. Students will gain an understanding for how a proprietorship conducts business activities from its first day in existence through the reporting of balance sheets and income statements. Accounting topics will include debits, credits, journals, ledgers, and the ethics of accounting. This course also includes in-depth study of the world of finance, including how to invest in the stock market, the importance of putting money away early in life, and how an understanding of accounting can assist in the management of personal finance. Other issues discussed will include the use of checks, debit cards, and credit cards, and the dangers and pitfalls that exist in today's electronic marketplace. Students in this course, to better prepare them for real-life business applications, in their future, will use Sunset High School's business computer lab extensively.

Accounting will also place a large emphasis on learning Excel and its uses in the business world and beyond. Students will complete several tutorials to familiarize themselves with many of Excel's functions. Accounting is aligned with CAS 170 at Portland Community College, and students who complete the course at Sunset will have the opportunity to earn 3 credits through PCC.

### **COMPUTER APPLICATIONS 1 (Dual Credit)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

Computer Applications 1 introduces students to the basic features of Microsoft Office, Windows basics, file management and develops familiarity with Word, Excel, PowerPoint, Access, and Internet basics. This course will challenge students to work toward the goal of improving their computer skills in the areas of word processing, graphic design, spreadsheet creation, creating electronic presentations. Students can elect to earn college credit through Portland Community College. Three PCC college credits can be earned for each semester. (CAS133)

### **COMPUTER LITERACY (DUAL CREDIT)**

**(9-10) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None** Computer Literacy is an essential skill in today's computerized world. The first nine weeks are spent learning the keyboard by touch. Emphasis is on both speed and accuracy. The second nine weeks are spent processing academic reports, personal letters, business letters, tables and other business related documents. Students can elect to earn college credit through Portland Community College. Three PCC college credits can be earned for each semester. (CAS121)

## **HEALTH CAREERS I (Dual Credit)**

**(11-12) Semester Class**

**Credit: 1.0 Elective**

**PCC Credit: MP 109 Medical Terminology (2 PCC credits) and Health 252 First Aid Basics and Beyond (4 PCC credits transferable to other colleges).**

**Prerequisite: Enrollment in Human Anatomy & Physiology; application required.**

**Find the application on the district website or in the counseling office.**

**Fees: \$35 per year for T-shirt, First Aide and Healthcare Professional CPR certifications, and professional conference costs.**

**Click here for course description.**

## **ADVANCED HEALTH CAREERS (Dual Credit)**

**(12) Full Year Class**

**Credit: 2.0 elective**

**PCC: MP 110 Medical Terminology (2 PCC credits)**

**Prerequisite: C or Better in Health Careers I and Human Anatomy/Physiology are required for Providence Oregon Standards and application.**

**Find the application on the district website or in the counseling office.**

**Fees: Program/Uniform costs are approximately \$75 per year (Need scholarships available)**

**Click here for course description.**

## **MARKETING II (Dual Credit)**

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisites: Marketing I and teacher's signature**

Marketing II is a continuation of Marketing I work. The course explores advertising in-depth including the promotional mix and the purchasing and placing of media, the steps of the sale process, social responsibility, sports marketing, entrepreneurship, business communications, and market research. In addition, the course explores how organizational characteristics affect worker productivity and group dynamics. The course will build on skills developed in Marketing I by applying the concepts to real world situations. In addition to course work, students will explore the benefits of business careers by researching various occupational areas. Topics will be examined through guest speakers, current events, case studies and culmination projects. Most units will contain a project utilizing technology components including Microsoft Office and Google Docs. The Marketing II course offers dual credit through PCC at no additional cost to students. Students have the opportunity to receive college level credit for MSD 107: Organizations & People (3 credit hours). Students have the option to participate in DECA.

## **MARKETING III (Dual Credit)**

**(12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisites: Marketing I, II and teacher's signature**

Marketing III builds upon what students have learned in the Sunset High School business program. The Marketing III course offers dual credit through PCC at no additional cost to students. Students have the opportunity to receive credit for BA101: Introduction to Business (4 credit hours). Topics in the BA101 section of the course include: management, finance, accounting, marketing, production, international business, small business and other areas of general business. Students can also earn dual credit through PCC for BA223: Principles of Marketing (4 credit hours). Topics in this portion of the course include: the marketing mix elements, target markets for consumers and industrial products, marketing strategies, customer behavior, international & business marketing, market planning and promotion and social media marketing. In addition, students will participate in job shadows and have the option to enroll in and participate in DECA activities and events.

## **PERSONAL FINANCE**

**(10-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: none**

Personal Finance & Consumer Management is a one-semester course during which students study financial management and its application to family and personal resources. The topics will focus on economics, employability preparedness, career options, career development, banking accounts, personal budgets, general money management, credit management, college planning, saving and investing, completing tax forms, purchasing major assets, insuring assets, and estate planning. Introducing these topics will assist students in making important life decisions and prepare them to be knowledgeable consumers. Students have the option to participate in DECA.

## **IB BUSINESS AND MANAGEMENT HL I (Dual Credit)**

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: Marketing 1**

The Business and Management HL 1 course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate. Course content includes the key characteristics of the following broad topics:

- Business organization and environment (including entrepreneurship)
- Business functions of human resource management
- Finance and accounts

Links between the topics are central to the course as students develop a holistic understanding of today's complex and dynamic business environment. Learning is firmly anchored in business management theories, tools and techniques and placed in the context of real-world examples and case studies. Students have the opportunity to receive credit for BA 101: Introduction to Business (4 credit hours) through PCC at no additional cost. Students have the option to participate in DECA.

## **IB BUSINESS AND MANAGEMENT HL II (Dual Credit)**

**(12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: IB Business & Management HL I**

IB Business and Management HL II is a continuation of the HL I course. This Business and Management course is designed to continue to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students continue to learn to analyze, discuss and evaluate business activities at local, national and international levels. This course will cover the topics of Marketing and Operations Management which are not covered in the Business and Management HL I curriculum. In addition, students will complete the IA and prepare to take the IB Business and Management HL Exam. Students have the option to participate in DECA.

# Portland State University

## **CALCULUS 1 & 2 (MATH 251/252, Dual Credit)**

**(9-12) Full Year Class**

**Credit: 1.0 Mathematics**

**Prerequisites for high school credit: Pre-Calculus or IB Math SL II, and teacher's signature**

**Prerequisites for college credit: 3.0 cumulative GPA, sophomore standing, successful completion of MTH 111/112 or recognized placement exam. Calculus 1 (MTH 251) is a prerequisite for Calculus 2 (252).**

This course is open to students who show a high degree of proficiency in Pre-Calculus. Thorough instruction in single variable differential and integral calculus, analytic geometry, and their applications, is provided in a collegiate-level course. Topics include limits, derivatives, related rates, graph behavior, antiderivatives, and techniques of integration, area, and volume. All students, regardless of Dual Credit status, will be held to the same grading standards. To earn dual credit, students must register and pay \$220 each semester for 4 credits, completing 8 credits total (with documented financial need, cost reduced to \$50 per semester). For registration deadlines and more information, go to <https://www.pdx.edu/challenge-program/for-students>.

## **CALCULUS 3 (Math 253 / LINEAR ALGEBRA, Both Courses Offer Dual Credit)**

**(10-12) Full Year Class**

**Credit: 1.0 Mathematics**

**Prerequisites for high school credit: Completion of Math 251/252 and teacher's signature**

**Prerequisites for college credit: 3.0 cumulative GPA, successful completion of MTH251/252 with dual credit.**

This course is open to students who have completed Calculus Dual Credit at Sunset High School. Topics covered first semester include sequences and series (writing and testing for convergence), Parametric Equations, Vector Geometry, Vector and Parametric Calculus, and the Calculus of Vector-Valued Functions. Topics covered in second semester include matrix operations, linear relationships and transformations, and matrix applications. All students, regardless of Dual Credit status, will be held to the same grading standards. To earn dual credit, students must register and pay \$220 each semester for 4 credits, completing 8 credits total (with documented financial need, cost reduced to \$50 per semester). For registration deadlines and more information, go to <https://www.pdx.edu/challenge-program/for-students>.

## **CS 161 JAVA PROGRAMMING (Dual Credit)**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts (PSU Credit Available)**

**Prerequisite: Web Design 2, Computer Game Design 2, Robotics 2, or teacher's signature**

Java Programming (CS 161) is the first in a series of college Computer Science courses offered. A variety of programming tools, including Jeroo (Visual programming) and Robocode (Robot combat), are used to demonstrate Object Oriented concepts. Students will experience the development of an adventure game from analysis to testing as well as a significant project of their own design. This course can give PSU credit through the Project Challenge program.

## **CS 162/163 C++ AND DATA STRUCTURES (Dual Credit)**

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: C or better in CS161 Java Programming or teacher's signature**

This course is a Project Challenge PSU course covering CS162 and CS163. In the first semester students learn the C++ programming language and linked lists. The second semester covers data structures such as stacks, queues, and trees. This course can give PSU credit for the corresponding courses.

## WRITING 121 (Dual Credit)

(12) Year

Credit: 1.0 Language Arts

**Prerequisite:** Current teacher's signature; College level reading and writing skills (A minimum of Proficiency in all 11<sup>th</sup> Grade Writing Standards), Students wishing to take this course for college credit must have an overall GPA of 3.0.

This course is a college class in which students may earn four hours of credit through Portland State University.

Students should be capable of reading challenging texts and writing at the college level. Students will read, analyze, and respond to a variety of texts from different sources. Students will analyze readings with a variety of writing techniques and implement them in a variety of essays; students will also engage in a great deal of informal writing. Students should have the organization skills and study habits needed to keep up with the college expectations and pace.

# Business Education

## BUSINESS CAREER PATHWAYS

### PURPOSE

The SHS Business Program offers the Business Career Pathway to students interested in pursuing a future in the business world. The Business Pathway is designed to give students a well-rounded picture of the different business career paths after high school. Students are taught the basics of accounting, business law, marketing, finance, and management. Students will also learn skills in the growing technologies that are a critical part of the business world.

### WHY PURSUE THE BUSINESS CAREER PATHWAY?

1. Students obtain FREE college credit that is transferable upon graduation
2. Students differentiate themselves from other students of equal qualifications when applying for colleges and universities.
3. Students build skills, knowledge and experiences that are great for scholarship & job applications.
4. Students will be able to make better decisions about your careers and college major by experiencing a wide variety of business avenues.

| Required Classes              | Suggested Grade Level               | Credits               |
|-------------------------------|-------------------------------------|-----------------------|
| Introduction to Business      | 9 <sup>th</sup>                     | .5                    |
| Marketing I                   | 10 <sup>th</sup> & 11 <sup>th</sup> | 1.0                   |
| Marketing II                  | 11 <sup>th</sup> & 12 <sup>th</sup> | 1.0 (PCC Dual Credit) |
| Accounting 1                  | 11 <sup>th</sup> & 12 <sup>th</sup> | 1.0 (PCC Dual Credit) |
| Business Law                  | 10 <sup>th</sup> - 12 <sup>th</sup> | .5                    |
| <b>Total Required Courses</b> |                                     | <b>4.0</b>            |



Additional Courses related to the Business Career Pathway include:

| Course Title                   | Suggested Grade Level               | Credits                      |
|--------------------------------|-------------------------------------|------------------------------|
| Digital Marketing              | 11 <sup>th</sup> & 12 <sup>th</sup> | 1.0                          |
| Personal Finance               | 10 <sup>th</sup> - 12 <sup>th</sup> | .5                           |
| IB Business & Management HL I  | 11 <sup>th</sup> & 12 <sup>th</sup> | 1.0 (PCC Dual Credit)        |
| IB Business & Management HL II | 12 <sup>th</sup>                    | 1.0 (PCC Dual Credit)        |
| Marketing III                  | 12 <sup>th</sup>                    | 1.0 (PCC Dual Credit)        |
| Computer Applications 1 & 2    | All Grade Levels                    | .5 courses (PCC Dual Credit) |
| Computer Lit                   | All Grade Levels                    | .5 courses (PCC Dual Credit) |

## ADDITIONAL REQUIREMENTS

- Work Experience (may include the Student Store)
- Job Shadow (to be completed in Marketing 2 or 3)
- Career/Industry Research (to be completed throughout High School career)

## INTRODUCTION TO BUSINESS

**(9-10) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

This course is designed to provide an introduction into the world of business by examining the foundational concepts in economics and how economic factors impact business income statements. The course will also introduce topics such as; business organization, personal finance, accounting, marketing, entrepreneurship, and technology. The course will introduce students to the rapidly changing business world through the tools of technology. Students will use technology to learn about how major companies began and what they did to succeed. Students will learn what it takes to be employed in the business world. The course culminates in a project that requires students to write a business plan for starting a new business. Students have the option to participate in DECA.

## **MARKETING I**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: None**

Marketing and sales are key to any successful business. This course gives students an introduction to the concepts of marketing and potential marketing careers. A variety of marketing aspects are covered to give students a wide range of marketing knowledge that can be applied in numerous business and personal situations. Learning activities include current events in business, readings, and individual and group projects. Topics include marketing theory, promotion, advertising, product planning, display, communications, the economy, the retail environment, market segmentation, pricing, business operations, and entrepreneurship. Students have the option to participate in DECA.

## **MARKETING II (Dual Credit)**

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisites: Students must have passed Marketing I with a C or better; teacher's signature**

Marketing II is a continuation of Marketing I work. The course explores advertising in-depth including the promotional mix and the purchasing and placing of media, the steps of the sale process, social responsibility, sports marketing, entrepreneurship, business communications, and market research. In addition, the course explores how organizational characteristics affect worker productivity and group dynamics. The course will build on skills developed in Marketing I by applying the concepts to real world situations. In addition to coursework, students will explore the benefits of business careers by researching various occupational areas. Topics will be examined through guest speakers, current events, case studies and culmination projects. Most units will contain a project utilizing technology components including Google Drive. The Marketing II course offers dual credit through PCC at no additional cost to students. Students have the opportunity to receive college level credit for MSD 107: Organizations & People (3 credit hours). Students have the option to participate in DECA.

## **MARKETING III (Dual Credit)**

**(12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisites: Marketing I, II and teacher's signature**

Marketing III builds upon what students have learned in the Sunset High School Business Program. This course is designed to continue to develop students' knowledge and understanding of business and marketing theories and practices, as well as their ability to apply a range of tools and techniques to real business situations at local, national and international levels. Specific topics in this course include: the marketing mix elements, target markets for consumers and industrial products, marketing strategies, customer behavior, international & business marketing, market planning, promotion and operations management. Students have the opportunity to earn dual credit through PCC for BA 223: Principles of Marketing course (4 credit hours) at no additional cost. Students will also participate in job shadows and have the option to participate in DECA.

## **ACCOUNTING I (Dual Credit)**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: None**

This course will give students a range of accounting concepts that apply to a variety of business situations, as well as many of the personal finance concepts necessary in the real world. Students will gain an understanding for how a proprietorship conducts business activities from its first day in existence through the reporting of balance sheets and income statements. Accounting topics will include debits, credits, journals, ledgers, and the ethics of accounting. This course also includes in-depth study of the world of finance, including how to invest in the stock market, the importance of putting money away early in life, and how an understanding of accounting can assist in the management of personal finance. Other issues discussed will include the use of checks, debit cards, and credit cards, and the dangers and pitfalls that exist in today's electronic marketplace. Students in this course will also use Sunset High School's business computer lab extensively.

Accounting will also place a large emphasis on learning Excel and its uses in the business world and beyond. Students will complete several tutorials to familiarize themselves with many of Excel's functions. Accounting is aligned with CAS 170 at Portland Community College, and students who complete the course at Sunset will have the opportunity to earn 1 credit through PCC. Students have the option to participate in DECA.

## **BUSINESS LAW**

**(10-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

The course offers an overview of the legal environment of business. Students will examine current events in personal law and business law as they concern the individual. They will also work to gain an understanding of basic legal vocabulary. Topics to be covered include: US Constitution, rules of law that apply to business transactions, crimes, contracts, employment law, tax law, sales transactions, insurance law, consumer protection, and credit. The scope of the course will include the social responsibilities and the ethical considerations of business and the individuals within business organizations. As a culminating project, students may participate in mock trials. Many classic legal movies are used to show students important legal topics. Each day in class students will be asked to make and defend rulings on a variety of legal topics. Students who take this class will become extremely well informed. Students have the option to participate in DECA.

## **DIGITAL MARKETING**

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: Teacher's signature - See Mrs. Taylo in K2**

Are you interested in guiding the digital presence of Sunset High School? Do you love social media and want to learn to use it as a tool for businesses? Then Digital Marketing is for you! This course focuses on the development of effective marketing plans within a dynamic digital environment. The course takes an integrated approach to digital marketing through a combination of hands-on exercises, case analysis, and current industry research. Students will explore how to coordinate marketing initiatives across channels and gain the skills to create a digital marketing plan and manage an online presence. Specific topics include: search engine optimization (SEO), search engine marketing (SEM), website analytics, mobile marketing, social media marketing, and tools for social media marketers. The class will be responsible for guiding the message, content and delivery of the Sunset High School media presence across all major social outlets. Students have the option to participate in DECA.

## **IB BUSINESS AND MANAGEMENT HL I (Dual Credit)\***

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: Marketing 1**

The Business and Management HL 1 course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate. Course content includes the key characteristics of the following broad topics:

- Business organization and environment (including entrepreneurship)
- Business functions of human resource management
- Finance and accounts

Links between the topics are central to the course as students develop a holistic understanding of today's complex and dynamic business environment. Learning is firmly anchored in business management theories, tools and techniques and placed in the context of real world examples and case studies. Students have the opportunity to receive credit for BA 101: Introduction to Business (4 credit hours) through PCC at no additional cost. Students have the option to participate in DECA.

## **IB BUSINESS AND MANAGEMENT HL II (Dual Credit)\***

**(12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: IB Business & Management HL I**

IB Business and Management HL II is a continuation of the HL I course. This Business and Management course is designed to continue to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students continue to learn to analyze, discuss and evaluate business activities at local, national and international levels. This course will cover the topics of Marketing and Operations Management which are not covered in the Business and Management HL I curriculum. In addition students will complete the IA and prepare to take the IB Business and Management HL Exam. Students have the option to participate in DECA.

## **PERSONAL FINANCE**

**(10-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: none**

Personal Finance & Consumer Management is a one-semester course during which students study financial management and its application to family and personal resources. The topics will focus on economics, employability preparedness, career options, career development, banking accounts, personal budgets, general money management, credit management, college planning, saving and investing, completing tax forms, purchasing major assets, insuring assets, and estate planning. Introducing these topics will assist students in making important life decisions and prepare them to be knowledgeable consumers. Students have the option to participate in DECA. Students have the opportunity to receive credit for CG 130, Today's Careers through PCC at no additional cost.

## **COMPUTER LITERACY (Dual Credit)**

**(9-10) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

Computer Literacy is an essential skill in today's computerized world. The first nine weeks are spent learning the keyboard by touch. Emphasis is on both speed and accuracy. The second nine weeks are spent processing academic reports, personal letters, business letters, tables and other business related documents.

Students have the opportunity to receive credit for CAS 121: Beginning Keyboarding (3 credit hours) through PCC at no additional cost

## **COMPUTER APPLICATIONS 1 (Dual Credit)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: Basic Computer Skills/Knowledge needed.**

Computer Applications 1 introduces students to the basic features of Microsoft Office, Windows basics, file management and develops familiarity with Word, Excel, PowerPoint, Access, and Internet basics. This course will challenge students to work toward the goal of improving their computer skills in the areas of word processing, graphic design, spreadsheet creation, creating electronic presentations. Students have the opportunity to receive credit for CAS 133: Basic Computer Skills (3 credit hours) through PCC at no additional cost.

## **COMPUTER APPLICATIONS 2**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: Computer Applications 1**

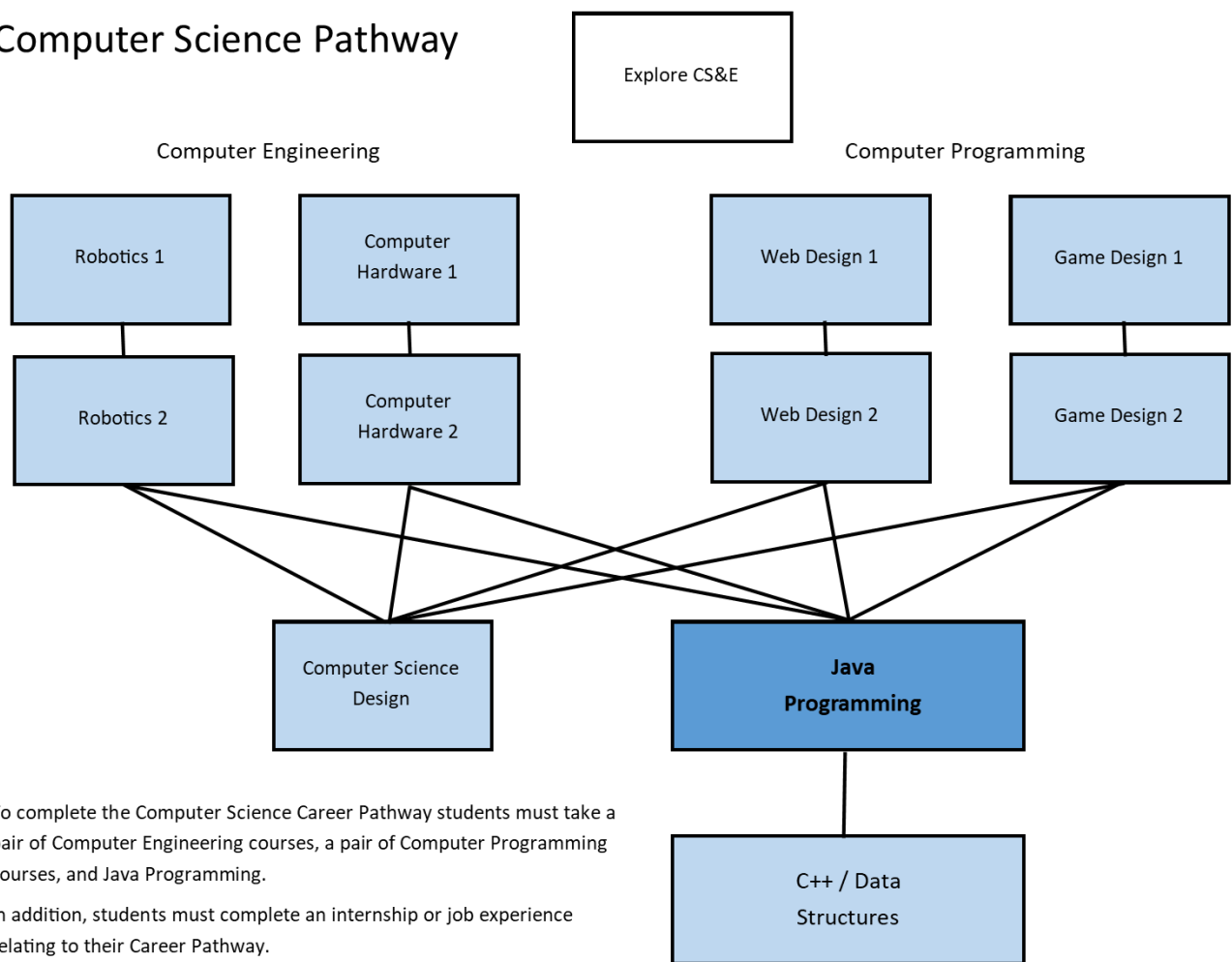
Computer Applications 2 further develops skills in Microsoft Office, Windows basics, and file management and strengthens student knowledge with Word, Excel, PowerPoint, Access, email, and Internet basics. This course will challenge students to work toward the goal of broadening their computer literacy skills using a career focus.

# Computer Science & Engineering

The Computer Science and Engineering department offers a wide range of classes to develop students' critical thinking and problem-solving abilities through project-based, hands-on learning. We are the T and E in STEM education and all students will benefit from exploring what computer science and engineering have to offer. All future careers require some level of technology expertise and these classes are an essential first step.

We offer two Career Pathways - a Computer Science Pathway and an Engineering Pathway. The Computer Science Pathway focuses on building a student's coding expertise and introducing them to the process of software development while building problem-solving skills on the computer. The Engineering Pathway introduces students to a wide range of fields within engineering while building communication and problem-solving skills in hands-on physical projects.

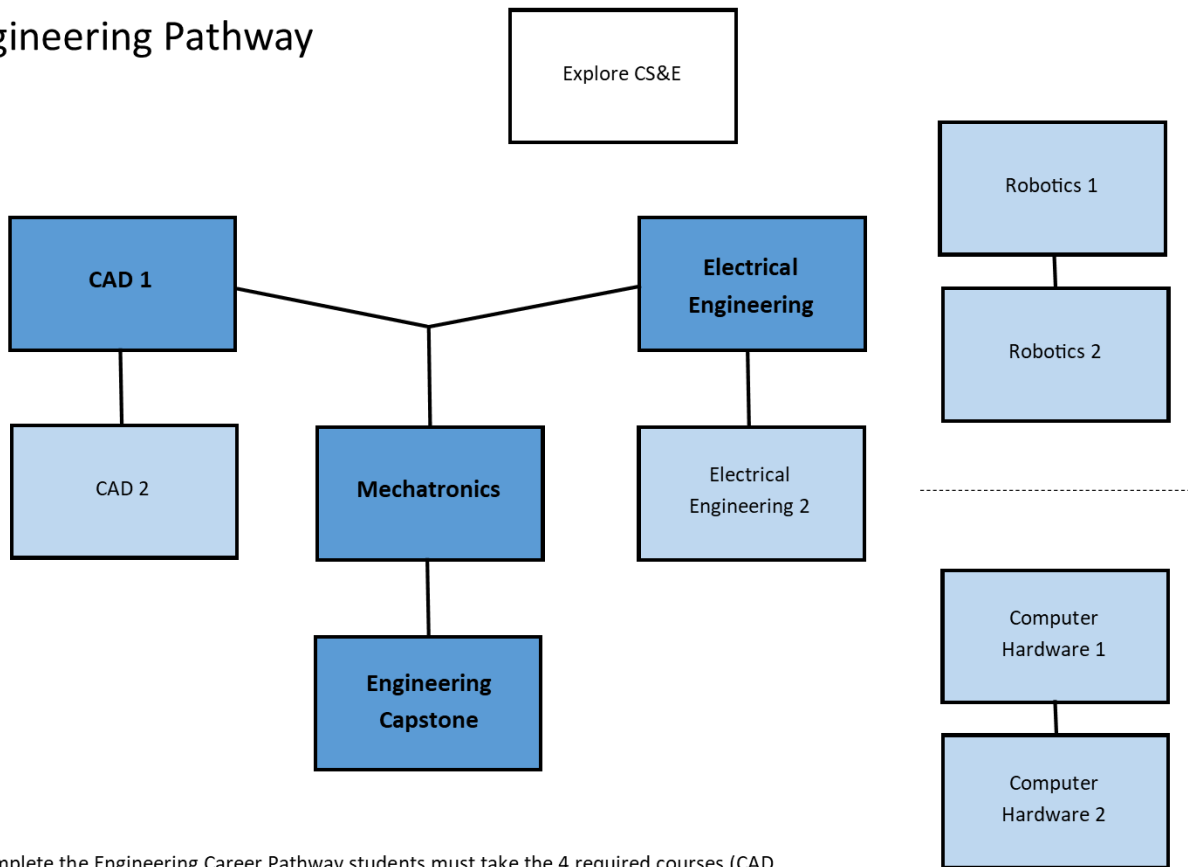
## Computer Science Pathway



To complete the Computer Science Career Pathway students must take a pair of Computer Engineering courses, a pair of Computer Programming courses, and Java Programming.

In addition, students must complete an internship or job experience relating to their Career Pathway.

# Engineering Pathway



To complete the Engineering Career Pathway students must take the 4 required courses (CAD, Electronics, Mechatronics, and Engineering Capstone) and 1.0 credit of other course offerings.

In addition, students must complete an internship or job experience relating to their Career Pathway.

## EXPLORE COMPUTER SCIENCE & ENGINEERING (A400X)

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: none**

This course is a survey of Computer Science and Engineering topics intended as a starting out point for students who have little or no tech experience. Specifically for students who want a sheltered space to explore a variety of Computer Science and Engineering subjects in a supportive environment, topics will include the fundamentals of programming, robotics, design, circuitry, and engineering.

## CAD 1 (A521X)

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

Computer Aided Design is a fundamental skill used in most Engineering fields to model physical objects with a computer. Students will learn to use software to create 3D models and virtual objects which can be turned into physical objects using 3D printers and vinyl cutters. This class is required for more advanced Engineering courses.

## **CAD 2 (A522X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: CAD 1 and teacher's signature**

CAD 2 will build on the skills from CAD 1, going further in AutoCAD and introducing Fusion 360. Students will complete a variety of projects with outputs which may include 3D printing, CNC work, molds, and laser cutting. This class is not required for the Engineering Pathway, but the skills learned will be applicable in this and other areas.

## **COMPUTER GAME DESIGN 1 (A445X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

This class covers the basic software development process. Students use the Unity software to create 2D computer games. Students will create different types of games, including pong, lightcycles, laser invaders, tic-tac-toe, and a platform game.

## **COMPUTER GAME DESIGN 2 (A446X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisites: Computer Game Design 1 and teacher's signature**

Ready to make some better games? Students use Unity to create more advanced computer games including first person/3D and network games, and includes the possibility of creating virtual reality games. This class prepares you to take Java Programming and Computer Science Design.

## **COMPUTER HARDWARE 1 (A423X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

Students will learn the components of a computer, what they do, and how to build both a PC computer and a basic network. Students will also learn basic computer theory, a variety of peripheral devices, programming, and software packages. This is a hands-on course and has no prerequisites, though some familiarity with computers is helpful. These skills can be used in the home, in future Computer Science courses, and in a wide variety of tech jobs.

## **COMPUTER HARDWARE 2 (A424X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisites: Computer Hardware 1 and teacher's signature**

Students will build on what they learned in Computer Hardware 1 by learning more advanced hardware and network information as well as real-world troubleshooting and technical support skills. Students will be able to troubleshoot and repair a variety of problems on a PC, Apple, and network. This course includes some experience supporting real users and troubleshooting as well as exploring tech jobs. This class prepares you to take Java Programming and Computer Science Design.



## **ELECTRICAL ENGINEERING 1 (A566X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

Electronics has become fundamental to many branches of Engineering. Students will learn how to use circuitry components, integrated chips, circuit design, and circuitry troubleshooting techniques. Students will create projects that use various electrical components including various sensors, motors, and servos. Some basic programming will also be covered as needed for the circuit boards. Students also explore a wide variety of different fields of Engineering.

## **ELECTRICAL ENGINEERING 2 (A570X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: Electrical Engineering 1 and teacher's signature**

Students will take their circuit design and programming skills learning in Electrical Engineering 1 to a higher level through complex, hands-on projects. Other microcontroller boards, sensors, and components will be introduced, as well as new libraries and programming strategies. Students will gain experience in the design cycle through original projects. This is not a required course for the Engineering Pathway.

## **MECHATRONICS (A568X)**

**(10-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: Both 3D CAD 1 and Electrical Engineering 1, and teacher's signature**

This course will focus on mechatronics - the study of mechanical engineering and electronics working together. Topics will include simple machines, gearing, motor use, circuit and sensor control, and further programming. In addition, they will further develop the engineering design cycle and work in project teams.

## **ENGINEERING CAPSTONE (A569X)**

**(10-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: Mechatronics and teacher's signature**

This course will focus on engineering project development - the complete process from idea to product. Students will learn design strategies, rapid prototyping skills, iteration of design, documentation, and group strategies. A key industrial skill will be learning how to communicate ideas clearly and work in teams.

## **ROBOTICS 1 (A562X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

Students in Robotics 1 use the Lego EV3 Mindstorms set to build and program interactive robots. Students learn elements of design, engineering, and programming by building and controlling robots that use sophisticated sensors to interact with their environment. This is a project-oriented hands-on course that does not require previous building or programming experience.

## **ROBOTICS 2 (A563X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisites: Robotics 1 and teacher's signature**

In Robotics 2, students expand on their engineering and programming skills. They will program Lego EV3 robots using Mindstorms and RobotC. This is a project-oriented hands-on course that builds on the experience of Robotics 1. The engineering and programming challenges are considerably more complex, as this class prepares you to take Java Programming and Computer Science Design.

## **WEB DESIGN 1 (A431X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

This course focuses on the tools and skills needed to create modern web pages. Students will learn to handcraft their own pages with HTML5, using CSS to position and color content on pages and to add interactive content through the use of JavaScript. This is a project-oriented hands-on course that does not require previous programming knowledge.

## **WEB DESIGN 2 (A432X)**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisites: Web Design 1 and teacher's signature**

This course will build on the skills learned in Web Design 1, going further in JavaScript using jQuery and Bootstrap. Students will also customize their area of focus on deepening their JavaScript knowledge or choosing another scripting language for web development. Students are expected to be highly motivated and self-directed. This class prepares you to take Java Programming and Computer Science Design.

## **COMPUTER SCIENCE DESIGN (A485X)**

**(10-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisites: Computer Game Design 2, Computer Hardware 2, Robotics 2, Web Design 2, or Java Programming. Also requires teacher's signature**

Students develop projects in teams. Any programming language is allowed. Students will focus on general software design principles including how to break up large projects into milestones, using version control and online repositories, agile development techniques, and testing software thoroughly.

## **CS 161 JAVA PROGRAMMING (Dual Credit)\* (A464X)**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts (PSU Credit Available)**

**Prerequisite: Computer Game Design 2, Computer Hardware 2, Robotics 2, or Web Design 2, and teacher's signature**

Java Programming is the first in a series of college Computer Science courses offered. A variety of programming tools, including Jeroo (Visual programming) and Robocode (Robot combat), are used to demonstrate Object Oriented concepts. Students will experience the development of an adventure game from analysis to testing as well as a significant project of their own design. This course can give Portland State University credit for CS161 through the Project Challenge program.

## **CS 162/163 C++ AND DATA STRUCTURES (Dual Credit)\* (A454X)**

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: C or better in CS161 Java Programming and teacher's signature**

This course is a Project Challenge PSU course covering CS162 and CS163. In the first semester, students learn the C++ programming language and linked lists. The second semester covers data structures such as stacks, queues, and trees. This course can give Portland State University credit for CS162 (only) through the Project Challenge program.

# **English Language Development (ELD)**

Each of the English Language Development courses is designed to help students acquire social language skills and develop academic language proficiency in order to succeed in high school and post-secondary opportunities. Students are placed in classes according to their level of language proficiency based on coursework and state assessments. Students will demonstrate proficiency in fluency, academic language, literacy, and grammar in order to perform language functions in academic and social settings.

## **BEGINNING ENGLISH LANGUAGE DEVELOPMENT**

**(9-12) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: Profile 1**

This course is designed for students who are at a beginning level of proficiency in English. Thematic units incorporate reading, writing, speaking, and listening skills. The beginning class content aligns with state English Language Proficiency standards for ELD.

## **EARLY INTERMEDIATE ENGLISH LANGUAGE DEVELOPMENT**

**(9-12) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: ELD teacher's signature, Profile 2**

This course is designed for students who have an intermediate level of proficiency in English and have acquired basic skills in Beginning English Language Development. Thematic units continue to incorporate reading, writing, speaking, and listening skills. This class aligns with the state English Language Proficiency standards for ELD.

## **INTERMEDIATE ENGLISH LANGUAGE DEVELOPMENT**

**(9-12) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: ELD teacher's signature, Profile 3**

This course is designed for students who have an intermediate level of proficiency in English and have acquired basic skills Early Intermediate English Language Development. Thematic units continue to incorporate reading, writing, speaking and listening skills. This class aligns with the state English Language Proficiency standards for ELD.

## **EARLY ADVANCED ENGLISH LANGUAGE DEVELOPMENT**

**(9-12) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: ELD teacher's signature, Profiles 3.5-4.5**

This course is designed for students who have an early advanced level of proficiency in English and have acquired the language skills in Intermediate English Language Development. Thematic units continue to incorporate reading, listening, writing, speaking, listening skills and the writing process, with a focus on academic language and reading skills. This class aligns with the state English Language Proficiency standards for ELD.

## **ADVANCED ENGLISH LANGUAGE DEVELOPMENT**

**(9-12) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: ELD teacher's signature, Profiles 3.5-4.5**

This course is designed for students who have advanced proficiency in English and who are preparing to exit the ESL Program. Thematic units incorporate reading, speaking and listening skills with a focus on different genres of literature, writing, and the writing process, with a focus on research and writing skills. This class aligns with the state English Language Proficiency standards for ELD.

## **ENGLISH LITERACY I**

**(9-12) Semester Class**

**Credit: .5 Elective**

**Prerequisite: ELD teacher's signature, Profiles 3-4.5**

This course is designed for students who have an Intermediate through Early Advanced proficiency in English and who are needing additional reading, writing, speaking and listening support with their Core classes. This course is taken in addition to the Language Development course, and will earn a student an Elective credit.

# Fine Arts

## **FINE ARTS – VISUAL ARTS**

### **ART 1**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

**Lab Fee: \$25**

Art I is an exciting and exploratory course designed for beginning students who may not know their strengths as potential artists as well as for more experienced students who are expected to challenge themselves at their own level of expertise. Students are given the opportunity to try out a variety of materials, methods, styles and techniques. Projects incorporate the Elements and Principles of Design, with a focus on craftsmanship, creativity, and artistic habits. Art history and aesthetics will be introduced with a global perspective.

### **ART 2**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisites: A passing grade of C or higher in Art 1 and teacher's signature**

**Lab Fee: \$25**

In Art 2 students will build on their experiences of Art 1 with hands-on projects, experiencing a focus on painting and drawing while developing their own artistic voice. Students engage in a variety of art projects including printmaking, extensive watercolor study, acrylic painting and more, and learn to analyze and employ the Elements and Principles of Design. Throughout the process of art making, students will elevate their sense of composition, craftsmanship, creativity, and artistic habits. This is a great course for students who are self-motivated and enjoy creating through painting and drawing.

## **GRAPHIC DESIGN 1**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

**Lab Fee: \$25**

This course will introduce students to Graphic Design as a form of visual communication through the use of type, image, form, and color. Students will complete several hands-on projects using the design industry standard software: Adobe Illustrator. Within Illustrator students will learn about tools, palettes, menus, and effects that will digitally assist them in converting their ideas into a finished layout. Emphasis is placed on using the elements of art/principles of design, implementing creative strategies for problem solving and conveying a message to a specific audience.

## **GRAPHIC DESIGN 2**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisites: Graphic Design 1 and teacher's signature**

**Lab Fee: \$25**

This is an **intermediate** course where you will continue to create solutions to various design problems. A more complex study of typography, layout, photo manipulation, and technical skill will be explored. In addition to Adobe Illustrator you will also learn how to use Adobe Photoshop. Examples of projects include icons, digital portraits, logos/branding and movie posters.

## **GRAPHIC DESIGN 3**

**(10-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisites: Graphic Design 2 and teacher's signature**

**Lab Fee: \$25**

For the **self-motivated student**, this course is an advanced exploration of designing with intention, using Adobe Illustrator and Adobe Photoshop. In addition to creating several designs, you will also take part in-group critiques, which will help you develop your collaboration, observation and interpretation skills. You will be expected to investigate new information, trends and techniques to create more complex, functional and interesting designs.

## **GRAPHIC DESIGN 4**

**(10-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisites: Graphic Design 3 and teacher's signature**

**Lab Fee: \$25**

For the **passionate design student**, this course continues the investigation of the visual and conceptual factors that play a role in creation and communication. You will be expected to research areas that will enhance three or more individualized projects, based on your interest of study. You will also play a part in providing graphics for school events such as Sunset Design Week and the Apollo Art Fest. Emphasis will be placed on how you consider and incorporate information from critiques.

## **IB ART SL (One Year Only) \***

## **IB ART HL I (Year One) \***

## **IB ART HL II (Year Two) \***

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisites: Two sequenced art courses with passing grades of a C or higher and teacher's signature (ie: art 1 & art 2 or ceramics 1 & ceramics 2 or graphic design 1 & graphic design 2.)**

**Lab Fee: \$50**

The IB Art series is for the highly motivated, curious, and disciplined art student. It is for students who enjoy making art and are also willing to read and write about it. 60% of the course work will be graded through art production and documenting the art process; the other 40% involves a Comparative Study and the Investigative Workbook. In this personal art journal book students will conduct research, brainstorming, reflections, and other academic exercises relating to art and their own artmaking. During the first year, teacher assigned projects aimed at developing artistic habits, technical proficiency, and conceptual practice will challenge students. During the second year, students will transition to a more independent approach as students design their own artistic problems, set their own goals, and work towards completing a professional portfolio. Upon successful completion of IB Art, the engaged student will have developed professional artistic habits and be prepared for further study and practice at the college level.

## **CERAMICS AND SCULPTURE 1**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

**Lab Fee: \$25**

This course is designed for students who enjoy working with their hands, building things, or just want to explore something new. Students will learn how to create handbuilt work using clay by learning technical skills like: pinch, coil and slab construction. Projects will test a student's ability to work with clay while also solving problems and developing visual voice and self-expression. Creativity, effort, craftsmanship, and composition will be emphasized in every assignment.

## **CERAMICS AND SCULPTURE 2**

**(10-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisites: A passing grade of C or higher in Ceramics 1 and teacher's signature**

**Lab Fee: \$25**

In Ceramics 2 students build upon experiences and techniques learned in Ceramics 1. Students will create more advanced handbuilt work and will learn how to create wheel thrown pottery. Students will be expected to develop in technical skill, refine their craft, and further explore visual voice and creativity in their work.

## **PHOTOGRAPHY 1**

**(11-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

**Lab Fee: \$25 (includes access to iPad Pros, lenses & apps, adobe CC account, photo printing & more)**

Modern digital photography will be explored in this class, with a focus on how to see and capture things creatively and with technical skill, and how to use Adobe photography applications. Concepts covered will include, but not be limited to: compositional techniques, noticing and capturing light, controlling the depth-of-field, manipulating shutter speed and more. Students will have access to an iPad Pro and their own account for the full suite of Adobe CC applications, and are encouraged to use their own cameras as well so that they can learn to take full advantage of the technology they own.

Learn more on the [class website](#).

## **PHOTOGRAPHY 2**

**(11-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: Photography 1 with a C or higher**

**Lab Fee: \$25 (includes access to cameras, lenses, adobe CC account, photo printing & more)**

Photography 2 students will build on the ideas and knowledge they developed in Photography 1, advancing both their technical skills and artistic voice. Students will use DSLR cameras to develop a sophisticated level of technical control, and high quality images. Students will advance their Adobe Lightroom and Photoshop skill level, through lessons and independent study, focusing on individual areas of interest. Students will develop a body of work that demonstrates technical skill and personal artistic voice. Students can use their own DSLR digital cameras, and there are cameras, lenses and other equipment available to Photo 2 students for check-out.

Learn more on the [class website](#).

## **IB FILM HL I\***

**(11-12) YEAR**

**CREDIT: 1.0 Applied Arts**

This course is the first year of a two-year sequence in IB Film HL. Students interested in pursuing the IB Diploma may choose this sequence to complete one of their HL requirements (Group 6). Students who have an interest in how film works as a language in our world are encouraged to enroll. The course engages students in developing skills: analysis, commentary, and creative pursuits through exposure to film and literary texts. Students will learn the basics of film production such as script development, storyboarding, cinematography, music, and editing. This course allows students the opportunity to develop their creativity and communicate in a vibrant, exciting medium. ***Students who have never considered an IB course are encouraged to register for IB Film.***

## **IB FILM HL II\***

**(12) YEAR**

**CREDIT: 1.0 Applied Arts**

**PREREQUISITE: SUCCESSFUL COMPLETION OF IB FILM I and teacher's signature**

This course completes the two-year sequence in IB Film HL, and completes one of the HL requirements for IB Diploma Candidates (Group 6). Students will explore film history and compositional theory while developing more sophisticated analysis, commentary, and filmmaking skills. The formal IB assessments in Film will occur in this course for students interested in pursuing college credit in film studies.

## **YEARBOOK**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: application and teacher's signature**

**Applications can be picked up in room T-3 or counseling office**

This course is for students with strong skills in: photography, graphic design, writing, and/or business and publicity. This course provides an opportunity to enhance these skills, explore your own creative ideas, gain real work experience, and see your work in a public published product. All staff members will work as a team to produce and publish the school yearbook, the Apollo; students will specialize in their areas of interest, but will learn about and participate in all the aspects of publishing the book. There are opportunities for editorial leadership positions, as well as staff writers, designers, and photographers. Students will be expected to spend time outside of class to meet deadlines, and fulfill the requirements of their roles.

## **NEWSPAPER (Includes Photo and Video Journalism)**

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: Application and teacher's signature**

**Pick up application in room T-3 or counseling office**

This course is for students with strong skills in: writing, photography, videography, and/or business and publicity. This course provides an opportunity to enhance these skills, explore your own creative ideas, gain real work experience, and publish your work in a public product both digital and in print. Students will be introduced to concepts of newsworthiness and press responsibility; develop skills in writing and editing stories, headlines, and captions; and learn the principles of production design, layout, printing, and online publishing. Photography and photojournalism, video journalism, and design skills will be explored and enhanced by students specializing in these areas. All staff members will work as a team to produce and publish The Scroll; students will specialize in their areas of interest, but will learn about and participate in all the aspects of publishing the paper.

## **FINE ARTS - INSTRUMENTAL MUSIC**

**PLEASE NOTE: A participation fee is assessed to all marching band participants. The fee for 2018-2019 was \$85.00**

The marching band in the fall and late spring months of the school year will be comprised of the following bands: Concert Band, Symphonic Band and the Wind Ensemble. Emphasis is placed on integrating movement to music. Performances will include all home football games, parades, and competitions. A summer band camp will be conducted in August at Sunset High School.

## **SYMPHONIC BAND**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: Teacher's Signature**

This course explores and performs wind band literature as well as ensemble skills at the intermediate-advanced level. This is a year-long course covering both marching and concert seasons and is open to students by audition only. Grades 10-12 are eligible for the course. All rehearsals and performances outside of the class will be required.

## **WIND ENSEMBLE**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: Audition or teacher's signature**

This course explores and performs wind band literature at the highest level. The individual and ensemble skills developed and achieved will be the most advanced level. This is a year-long course covering both marching and concert seasons and is open to students by audition only. Grades 10-12 are eligible for this class. All rehearsals and performances outside of the class will be required.

## **CONCERT BAND**

**(9) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: None**

This course explores and performs wind band literature at the intermediate level. Individual and ensemble skills will be developed. This is a year-long course covering both marching and concert seasons and is open to students Grade 9 only. All rehearsals and performances outside of the class will be required.



## **JAZZ LAB BAND**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: teacher's signature**

This course explores and performs jazz band literature at the advanced level. Jazz style and improvisation will be developed. Students enrolled in jazz band must be concurrently enrolled in a large instrumental ensemble. All rehearsals and performances outside of class will be required.

## **FUNK BAND (INSTRUMENTAL MUSIC STUDIO)**

**(10-12) Semester Class**

**Credit: 0.5 Applied Arts**

**Prerequisite: teacher's signature**

This class is a performance class, open to all Sunset students with instrumental background in brass, saxophone, electric guitar or electric bass, drum set and piano. Members of this class perform for home men and women varsity basketball games as well as select SHS campus functions. This class meets after school on Tuesday and Thursdays from 2:40 to 4:00, mid-October through March. This enthusiastic organization contributes greatly to the spirit and excitement of the SHS campus.

## **FINE ARTS - VOCAL MUSIC**

**A participation fee is assessed to all vocal offerings. The fee for 2019-2020 is \$85.00. Performance participation is vital to success in all choral music classes. Formal dresses and tuxedos are provided for singers; Dress shoes, black stockings or nylons are the responsibility of each student.**

Any student interested in taking choir will forecast for Concert Choir. Students heading into 10th-12th grade who are interested in auditioning for choirs beyond Concert Choir (see descriptions below) need to participate in the audition process (done in May). Please contact Mr. Rust with any additional questions.

## **CONCERT CHOIR**

**(9-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: None**

Concert choir is a performance choir of mixed voices and is open to all students (no audition required). All incoming 9th graders are enrolled in this class. Basic vocal technique and sight-reading are the focus of the course. Music performance will range from Broadway show tunes to classical choir literature.

## **TREBLE CHOIR**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisites: Audition and Instructor's Approval**

Treble choir is an auditioned choir. Singers are expected to have basic sight-reading skills, have experience in singing a cappella choral literature and have an understanding of vocal production and breath control. Treble Choir typically performs in one evening concert each quarter.

## **MIXED CHORUS**

**(10-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: None**

Mixed Chorus is a highly select choir. Singers are expected to sight-read music, have experience in singing a cappella choral literature and have an understanding of vocal production, breath control and a strong sense of pitch. The choir performs a wide variety of choral styles, ranging from spirituals to Broadway show tunes sung both a cappella and accompanied. Mixed Chorus represents Sunset High School at school concerts and community functions throughout the year as well as at Metro League and area choral competitions. Attendance at rehearsals and performances is vital to success in this class.

## **MADRIGAL SINGERS (Advanced Vocal Ensemble)**

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisites: Audition and Instructor's Approval**

Madrigals is a select vocal ensemble of advanced students interested in music at the highest level of performance. Singers study music of varied styles and cultures with emphasis on performance within the greater Portland community. A commitment to performance at the highest level is mandatory and performance participation is vital to success in this class. Students perform often, both during school hours and for evening community events and need to be diligent about maintaining personal calendars and schedules related to performances, particularly during the busy holiday season.

## **MUSIC THEORY/COMPOSITION**

**(9-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: None**

This class is designed for students who are interested in writing and performing their own music. Curriculum covers the rules of notation, rhythm, key and time signatures, scales, modes, intervals and transposition.

## **IB MUSIC SL\***

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: teacher's signature**

IB Music SL will help students explore and enjoy the diversity of music throughout the world. Students will be expected to use appropriate musical language and terminology to describe and reflect their critical understanding of music, develop perceptual skills in response to music, and demonstrate their knowledge and understanding of music in relation to time and place. Students will also develop their performance skills through solo or ensemble music making or develop their compositional skills through exploration and investigation of musical elements.

## **FINE ARTS - THEATER**

### **THEATER 1**

**(9-12) Semester Class**

**Credit: 0.5 Applied Arts**

**Prerequisite: None**

This course introduces students to the exhilarating world of theatre. As students investigate the theater, developing foundational skills as performers, they will also be learning about themselves and building self-confidence. The course will include the study of acting techniques (voice, movement, and characterization), exercises in improvisation, prepared scenes, reading plays, critical analysis of live productions, and audition techniques. Students will acquire a broad perspective of the theatre and learn good rehearsal and performance skills. Final grades will be based on assigned work and daily participation.

## **THEATER 2**

**(9-12) Semester Class**

**Credit: 0.5 Applied Arts**

**Prerequisite: Theater 1**

This course continues the work of Theatre 1 with a more intensive focus on scene work and acting methods. Students will continue to develop their ability to express themselves physically and vocally with a particular emphasis on individual and partner/group creativity and character development. Students will deepen their knowledge of acting techniques, developing methods that will enable them to approach any theatrical text from Shakespeare to modern American Drama. The course also offers students continued instruction in critical analysis of live productions, vocal development, and audition skills. Final grades will be based on assigned work and daily participation.

## **THEATER ENSEMBLE**

**(10 -12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: Theater 2 or teacher's signature**

Theater Ensemble is a select course designed for the serious, committed, and disciplined theater arts student interested in theater at the highest level of performance. Full participation is mandatory and vital to the success of the course. Theater Ensemble will be a hands-on course in which students will apply the skills and techniques they've accrued as theater artists and apply that knowledge to studio productions. Over the course of the year, all students will participate in numerous full-scale studio productions. Each production will be rigorously rehearsed in class culminating in a public performance (primarily during school hours). Grades will be based on daily participation, commitment to the rehearsal process, and excellence in performance.

## **THEATER DESIGN I**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: None**

This course offers students an opportunity to pull back the curtain and investigate what happens behind the scenes in order to create the magic of the theatre. Students will explore all backstage elements essential to a successful theater production. As students work on lights, sound, costumes, sets, props, makeup and special effects, they will develop a practical hands-on knowledge of basic production design and construction in the theater. Students will learn how to use power tools and operate stage rigging safely and efficiently (Students must follow all instructor safe-guards and guidelines to be successful and remain in the class). Final grades will be based on assigned work and daily participation.

## **THEATER DESIGN II**

**(9-12) Semester Class**

**Credit: .5 Applied Arts**

**Prerequisite: Theater Design 1**

This course is for the Theatre design student who has demonstrated a high level of competence as a theatre design artist and craftsman. Theatre Design 2 students will take on more advanced assignments in theatre design as well as leadership and supervision opportunities. Advanced students will work independently and begin to develop areas of specialty, which may serve as college or career preparation.

## **IB THEATER SL (1 year only)\***

## **IB THEATER HL I (year 1)\***

## **IB THEATER HL II (year 2)\***

**(11-12) Full Year Class**

**Credit: 1.0 Applied Arts**

**Prerequisite: teacher's signature**

In IB Theater, students will plunge into an intensive study of contemporary and historical theater from a global perspective. Advanced theater students who have completed Theater 2 or Theater Ensemble traditionally take this course. IB Theater Students will explore all aspects of the artistic process involved in creating works of theater from inspiration to fully realized performance. This exploration will include writing, staging, and performing original and published theater pieces. Students at the HL level will remain in the course for two years allowing for an even greater breadth and depth of study. Student at both HL and SL will complete the same four major assessments; however, students at the HL level will need to complete the assessments based on a criteria that includes greater complexity and length. Students who sign up for this course must meet with the instructor before the end of the school year to get information needed for the summer.

# Health Education

## **HEALTH 1**

**(9-12) Semester Class**

**Credit: .5 Health**

**Prerequisite: None**

Students will learn concepts and skills that will assist them in making healthy decisions. The skills and concepts will be assessed through projects that will focus on the National Health Standards. Areas of emphasis include emotional and mental health, alcohol, tobacco and other drugs; violence prevention; injury prevention; and sexual health. Homework requirements range from 1-2 hours per week.

## **Health 2**

**(10-12) Semester Class**

**Credit: .5 Health**

**Prerequisite: None**

This class helps students develop both health knowledge and life skills, which will enable them to function more effectively in our society. It focuses on individual as well as community responsibility in the following areas: stress and stress management skills; disease prevention (with a focus on sun safety), nutrition and healthy eating, addiction, and sexual health. Students will be able to analyze the influences around them which help lead them to make decisions that will positively affect their health. Assessments will be scored using the scoring guide that aligns to the Health 2 learning targets that have been adopted by the Beaverton School district. Homework requirement averages 1-2 hours per week.

## **HEALTH TOPICS**

**(11-12) Semester Class**

**Credit: .5 Health**

**Prerequisite: None**

This course provides students with the opportunity to explore the social and psychological aspects and implications of current health issues, such as: mental/emotional health, healthy eating, cultural awareness, ATOD abuse and sexual health topics. Independent projects, group discussions, debates and critical thinking techniques will be used to enable students to further analyze a specific health situation or theme using current resources and technology. The curriculum will draw from Health 1 and Health 2 standards and learning targets. This course satisfies a semester of health credit required for graduation for Juniors or Seniors who have not yet completed either Health 1 or Health 2. Students may also select this course to fulfill an elective credit.

# Language Arts

## Planning Your Language Arts Courses

**Freshmen** will take 9th Literature & Composition (optional Honors component)

**Sophomores** will take 10<sup>th</sup> Literature & Composition (optional Honors component)

**Juniors** will take 11<sup>th</sup> Literature/Composition; IB Language/Literature HL I; in addition to the required courses, students may take additional English electives.

**Seniors** will take 12<sup>th</sup> Literature/Composition; WR 121; IB Language/Literature HL II; In addition to the required courses, students may take additional English electives.

## Language Arts Sequence

| Grade Level      | 9 <sup>th</sup>              | 10 <sup>th</sup>              | 11 <sup>th</sup>                | 12 <sup>th</sup> *               |
|------------------|------------------------------|-------------------------------|---------------------------------|----------------------------------|
| Course offerings | 9 <sup>th</sup> Lit and Comp | 10 <sup>th</sup> Lit and Comp | 11 <sup>th</sup> Lit and Comp   | 12 <sup>th</sup> Lit and Comp    |
|                  |                              |                               | IB Language and Literature HL I | IB Language and Literature SL II |
|                  |                              |                               |                                 | IB Language and Literature HL II |
|                  |                              |                               |                                 | Writing 121                      |

Language Arts Elective

**Creative Writing**

**Writing from Experience**

## LANGUAGE ARTS YEAR-LONG COURSES

### 9<sup>TH</sup> LITERATURE AND COMPOSITION

(9) YEAR

**CREDIT: 1.0 LANGUAGE ARTS**

This course examines major elements of literature as reflected in a wide variety of texts, which lays the foundation for high school-level writing and reading. Students will read and write in order to engage in inquiry regarding topics like identity, society, power and progress. While focused on achieving state standards, the aim is to maximize student choice as they develop skills in creating texts, communicating, engaging in the learning process, analyzing texts, and applying appropriate language. For students interested in pursuing IB and other advanced courses, we recommend they complete the honors option in which they undertake projects to engage more critically in leadership, community-building and ownership of learning.

## **10<sup>TH</sup> LITERATURE AND COMPOSITION**

**(10) YEAR**

**CREDIT: 1.0 LANGUAGE ARTS**

This course focuses on students' independent comprehension and analysis of literary elements such as author's craft, characterization, and theme. The course also concentrates on a variety of the writing modes. Students engage in productive small-group communication and develop their presentation skills. Emphasis is placed on achieving state standards in the essential skills of reading and writing as well as preparing students for upper-level Language Arts, IB, and writing courses. Not required, but recommended as a precursor to IB courses, is participation in our Honors Program which is an independent offering in addition to regular coursework.

## **11<sup>TH</sup> LITERATURE AND COMPOSITION**

**(11) YEAR**

**CREDIT: 1.0 LANGUAGE ARTS**

This course focuses on analyzing contemporary voices in literature. Works encompassing all major genres (fiction, non-fiction, short story, film, poetry, plays, and essays) of text, as well as other mediums of communication, will be studied. Different approaches to composition, with an emphasis on expository, commentary, and argument writing and the development of oral communication skills including but not limited to debate, modes of persuasion, and performance will be explored. Additionally, emphasis is placed on achieving state standards in the essential skills of critical comprehension, written expression, and oral communication. Works studied may include, but are not limited to: *The Great Gatsby*, *The Things They Carried*, *The Handmaid's Tale*, *Fences*, *Persepolis*, *March I*, and *Native Son*.

## **12<sup>TH</sup> LITERATURE AND COMPOSITION**

**(12) YEAR**

**CREDIT: 1.0 LANGUAGE ARTS**

Lit and Comp 12 blends writing and literature into a cohesive whole for college-bound students. The course focuses on writing as the primary means of expression; we will explore works of fiction and non-fiction as tools to influence and improve our own writing. We will learn to use writing and reading as forms of inquiry and means of exploring our identities within local and global contexts. Emphasis will be placed on preparing students for college-level writing, including written tasks such as a college admissions essay, argument writing, research, etc. Therefore, students should be prepared to write daily for a variety of specific purposes, audiences, and contexts.

## **LANGUAGE ARTS IB COURSES**

### **IB LANGUAGE AND LITERATURE SL II\***

**(12)**

**CREDIT: 1.0 LANGUAGE ARTS**

**Prerequisite: IB Language & Literature SL I**

IB Language and Literature II is offered as a Standard Level (SL) or Higher Level (HL) course. This is the second year of a rigorous (2-year) IB course that offers the student an opportunity to explore how language, culture, and context determine meaning in a wide variety of literary and non-literary texts. It will encourage students to think critically about the interactions between text types, their audiences, and purposes. Students will view texts through a variety of lenses (e.g. stereotypes, power structures, inclusion/exclusion, etc.). Language will be studied through multiple traditional and non-traditional text types (e.g. advertising, mobile media, propaganda, plays, poetry, novels, non-fiction prose, etc.). Students will engage with these texts through creative and analytical tasks (written and oral) that will deepen their understanding and prepare students for IB testing.

## **IB LANGUAGE AND LITERATURE HL I**

**(11)**

**CREDIT: 1.0 LANGUAGE ARTS**

**Prerequisite: Teacher Signature**

IB Language and Literature HL 1 is the first year of a two-year, rigorous IB course that offers students an opportunity to develop written and oral communication skills, and strengthen capacity for critical thinking and close analytical reading. The balance of texts studied in this course are roughly 50% literary and 50% non-literary, creating an exploration of literary analysis as well as analysis of how other non-literary text types construct meaning and effect in the world. Language will be studied through multiple traditional and non-traditional text types (e.g. advertising, mobile media, propaganda, plays, poetry, novels, non-fiction prose, etc.). Students will have opportunities to connect study of texts to global issues of significance to them, and explore how language, culture, and context determine meaning in texts. Students will be encouraged to think critically about the interactions among text types, their audiences, and purposes, and will view texts through a variety of lenses (e.g. persuasive language in political speeches, the impact of electronic communication, non-standard forms of language, new media text types, etc.). Students will create a Learner Portfolio of writing assignments in various modes and types (analytical and creative).

## **IB LANGUAGE AND LITERATURE HL II**

**(12)**

**CREDIT: 1.0 LANGUAGE ARTS**

**Prerequisite: Teacher Signature**

IB Language and Literature HL II is the second year of a two-year, rigorous IB course that continues development of students' written and oral communication skills and capacity for critical thinking and close analytical reading. The balance of texts studied in this course are roughly 50% literary and 50% non-literary, creating an exploration of literary analysis as well as analysis of how other non-literary text types construct meaning and effect in the world. Language will be studied through multiple traditional and non-traditional text types (e.g. advertising, mobile media, propaganda, plays, poetry, novels, non-fiction prose, etc.). Students will have opportunities to connect study of texts to global issues of significance to them, and explore how language, culture, and context determine meaning in texts. Students will be encouraged to think critically about the interactions among text types, their audiences, and purposes, and will view texts through a variety of lenses (e.g. persuasive language in political speeches, the impact of electronic communication, non-standard forms of language, new media text types, etc.). Students will complete the IB Internal Assessment(s) and continue contributing to a Learner Portfolio of writing assignments in various modes and types (analytical and creative); this supports preparation for students who opt to take IB exams in May.

## **WRITING COURSES**

### **WRITING 121 (DUAL CREDIT) \***

**(12) YEAR**

**CREDIT: 1.0 LANGUAGE ARTS**

**PRE-REQUISITE: CURRENT TEACHER'S SIGNATURE; COLLEGE LEVEL READING AND WRITING SKILLS (A MINIMUM OF HIGHLY PROFICIENT IN ALL 11<sup>TH</sup> GRADE WRITING STANDARDS); AN OVERALL UNWEIGHTED GPA OF 3.5 OR ABOVE; MUST BE TAKING THE COURSE FOR COLLEGE CREDIT. THE NUMBER OF SPACES AVAILABLE MAY BE LIMITED AS TEACHERS ASSIGNED TO THE COURSE MUST MEET PSU REQUIREMENTS FOR DEPARTMENT ADJUNCTS, WHICH INCLUDES HOLDING AN ADVANCED SUBJECT DEGREE (MASTERS OR ABOVE).**

This course is a college class in which students may earn four hours of credit through Portland State University. Students should be capable of reading challenging texts and writing at the college level. Students will read, analyze, and respond to a variety of texts from different sources. Students will analyze readings with a variety of writing techniques and implement them in a variety of essays, including a formal research essay. Students will also engage in a great deal of informal writing. Students should have the organizational skills and study habits needed to keep up with the rigor of college expectations and pace.

## LANGUAGE ARTS ELECTIVE COURSES

### **CREATIVE WRITING**

**(10, 11, 12)**

**CREDIT: SEMESTER**

#### **LANGUAGE ARTS ELECTIVE**

This course will explore the creative writing process through readings, classroom activities, and writing practice. Through the exploration of works of fiction, poetry, dramas, and non-fiction, we will consider the impacts and applicable lessons to our own writing. By the end of the semester, we will have developed individual writing process for generating, revising and editing our own work. The lofty goal of this course is to challenge the way our minds work in relationship to that world, ourselves, and those around us.

### **WRITING FROM EXPERIENCE**

**(10-12) SEMESTER**

**CREDIT: .5 LANGUAGE ARTS**

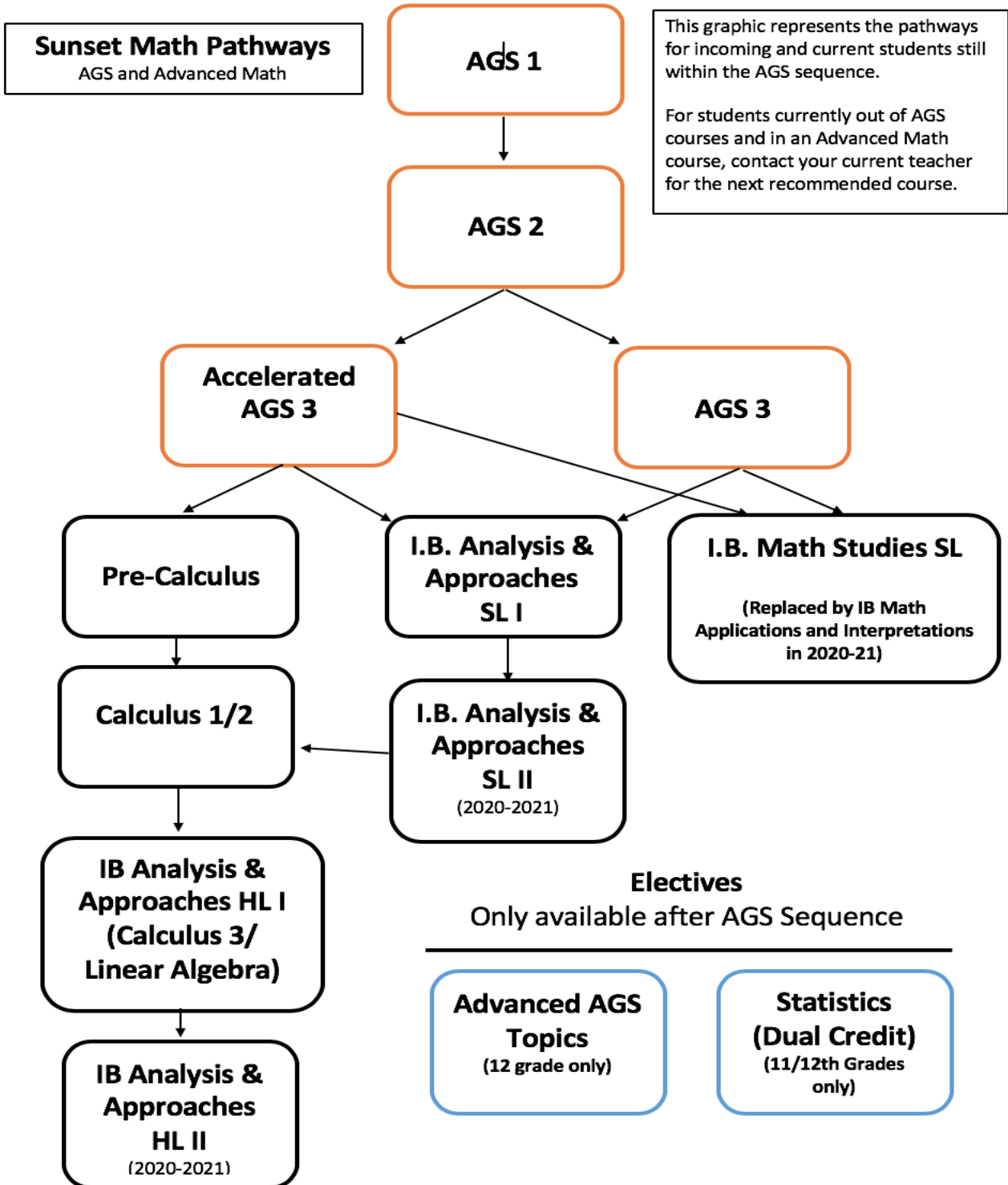
**PREREQUISITE: None**

In this course, students write various kinds of short and medium-length papers based on their personal experiences with an emphasis on developing essential skills. Types of essays may include: narrative, descriptive, comparison/contrast, and persuasive. Short reading assignments will help provide models for writing. Proficiency grades will be portfolio based.



# MATHEMATICS

## MATHEMATICS PATHWAYS



## MATHEMATICS Pathways

The math program offers students the opportunity to take IB level courses, receive an IB Diploma and meet the Oregon State Standards. The Beaverton School District requires 3 credits in mathematics. It is strongly recommended that students take a four-year course of study, especially if they plan on attending a university. Students with a C or better in assessment performance generally have better success rates in the follow-up courses.

The mathematics program at Sunset High School is designed to prepare all students to be college ready. Our goal is to develop students who are mathematically literate, able to problem solve, and communicate mathematically.

### NOTES

- Students must successfully complete the first year of an IB Math two-year sequence to enroll in the second year.
- Students may choose to enroll in only the first year of any IB Math sequence.
- AP Statistics may be taken any time after successful completion of AGS III or Accelerated AGS III.

## ALGEBRA/GEOMETRY/STATISTICS I (AGS I)

### (9) Full Year Class

Credit: 1.0 Mathematics

Algebra/Geometry/Statistics 1 is the first in a three-course integrated sequence that will mix the Number & Quantity, Algebra, Functions, Geometry, and Probability & Statistics standards defined by the Common Core State Standards (CCSS) with a focus on Mathematical Modeling and the eight mathematical practices. This course focuses on the Algebra 1 concepts including solving linear functions, modeling with linear functions, solving systems of equations, using arithmetic and geometric sequences to develop linear and exponential functions, and graphing functions. The Geometry focus includes congruence and construction with a connection developed between Geometry and Algebra concepts through coordinate geometry. The Statistics in this first course includes basic measures of central tendencies, spread, and position, including graphical representations (histograms, box plots, lines of best fit, frequency tables). This is an appropriate class to take after Pre Algebra or 8th grade math.

## ALGEBRA/GEOMETRY/STATISTICS II (AGS II)

### (9-10) Full Year Class

Credit: 1.0 Mathematics

Prerequisites: Successful Completion of AGS I

Algebra/Geometry/Statistics 2 is the second in a three-course integrated sequence that will mix the Number & Quantity, Algebra, Functions, Geometry, and Probability & Statistics standards defined by the Common Core State Standards (CCSS) with a focus on Mathematical Modeling and the eight mathematical practices. This course focuses on the Algebra 2 concepts: quadratic, absolute, and piecewise functions, as well as solving quadratic equations. The Geometry focus includes proof, geometric figures, similarity and right triangle trigonometry, and circles from a geometric perspective. The statistics in this second course focuses on connections to probability. Additional topics include conditional probabilities, interpreting the meaning of data sets, using samples to estimate probabilities, Venn Diagrams, and Independence. This is an appropriate course for a student who has successfully completed AGS 1 or Algebra 1.

## **ALGEBRA/GEOMETRY/STATISTICS III (AGS III)**

**(9-11) Full Year Class**

**Credit: 1.0 Mathematics**

**Prerequisites: Successful completion of AGS II**

Algebra/Geometry/Statistics 3 is one option for the final course in a three-course integrated sequence that will mix the Number & Quantity, Algebra, Functions, Geometry, and Probability & Statistics standards defined by the Common Core State Standards (CCSS) with a focus on Mathematical Modeling and the eight mathematical practices. This course focuses on polynomial functions, inverses, logarithms and rational functions from Algebra. The Geometry focus includes geometric figures, trigonometry and three-dimensional figures. The Statistics unit focuses on sampling and normal distributions. This is a good course for students who successfully completed AGS 2 or Algebra 1 and Geometry, but aren't seeking high school access to Calculus or IB HL Math. This course will prepare students for IB Math Applications and Interpretations (to be added in the 2020-2021 school year) or IB Analysis and Approaches SL 1.

## **ACCELERATED ALGEBRA/GEOMETRY/STATISTICS III (ADV AGS III)**

**(9-10) Full Year Class**

**Credit: 1.0 Mathematics**

**Prerequisites: Successful completion of AGS II (a grade of B or higher) and teacher's signature**

As another option for the final AGS course, this will offer the same concepts as AGS 3 but with further depth and additional topics to prepare students for Pre-Calculus, *in addition to* IB Math Applications and Interpretations (to be added in the 2020-2021 school year) or the IB Analysis and Approaches SL 1. This is a good course for students who have successfully completed AGS 2 and are considering a STEM pathway in college. Students from outside institutions that have only completed Algebra 1 and Geometry are not eligible for this class.

## **Advanced AGS Topics**

**(12) Full Year Class**

**Credit: 1.0 Mathematics**

**Prerequisites: Successful completion of AGS III or AAGS III and teacher's signature**

Advanced AGS Topics is designed for seniors who desire an applied college-preparatory course that supports literacy in the mathematics topics that are relevant to everyday lives and careers. It is an alternative to traditional math classes (generally focused on preparing students for STEM-heavy majors). This course is appropriate for students who are more interested in how math may apply to liberal arts areas of study and in the everyday world. Participants will explore several extensions of traditional mathematics topics from Algebra, Geometry, and Statistics in a collaborative and relevant manner. At the conclusion of the course, students will be prepared to use their deepened skills to better their communities and get involved in solving the major issues facing citizens of the 21st century.

## **IB Math Studies SL**

**(11-12) Full Year Class**

**Credit: 1.0 Mathematics**

**Prerequisites: AGS III or IB Math Studies 1 and teacher's signature**

This is a rigorous one-year IB Math course designed for the Liberal Arts focused student. It prepares students to take the IB Math Studies SL Exam in May. Topics include number sets, Venn diagrams, logic, probability, descriptive statistics, hypothesis testing, sequences and series and introductions to derivatives and limits. Applications and calculator use will be stressed throughout. Additional topics will be reviewed as necessary for the IB exam. Students taking the IB exam will also complete a project that will be assessed using the IB assessment criteria. Students should have access to a graphing calculator (TI-83 or TI-84 preferred).

## **IB Mathematics Analysis and Approaches SL I**

(10-12) **Full Year Class**

Credit: 1.0 Mathematics

Prerequisites: AGS 3 (A) or Accelerated AGS 3 (B or higher), and **teacher's signature**

This is the first course in the two-year IB Mathematics Analysis and Approaches SL sequence. Topics for this course include a review of the functions taught in AGS sequence, Arithmetic and Geometric sequences and series, natural logarithms, trigonometric functions and equations and right triangle trigonometry. This course will prepare students for IB Mathematics Analysis and Approaches SL II which will be starting next year.

## **IB Math SL II**

(11-12) **Full Year Class**

Credit: 1.0 Mathematics

Prerequisites: IB Math SL I or Pre-Calculus, and **teacher's signature**

This is the second course in the two-year IB Mathematics Standard Level sequence. Topics include the fundamentals and applications of differential calculus, an introduction to integral calculus, descriptive statistics, probability, probability distributions and 3-D vectors. This course is designed to prepare students for the IB Math SL Exam in May. For those students taking the exam, they will also need to complete a written paper on a mathematical topic of their choice during the first semester. Students who are successful in this class are prepared for Calculus I.

## **Pre-Calculus**

(10-12) **Full Year Class**

Credit: 1.0 Mathematics

Prerequisites: Accelerated AGS 3, and **teacher's signature**

Pre-Calculus is an in-depth study of the concept of functions, including polynomial, rational, exponential, logarithmic, and trigonometric. Characteristics of each function class are emphasized, including domain and range, the basic form and graph, transformations, composition, inverses, equations and inequalities associated with the function, and applications. Additional topics in the course include vectors, parametric equations, polar coordinates, complex numbers, and sequences and series. This course prepares students for Calculus (Dual Credit).

## **Calculus 1 & 2 (MATH 251/252, Dual Credit)**

(9-12) **Full Year Class**

Credit: 1.0 Mathematics

Prerequisites for high school credit: Pre-Calculus or IB Math SL II, and **teacher's signature**

Prerequisites for college credit: 3.0 cumulative GPA, sophomore standing, successful completion of MTH 111/112 or recognized placement exam.

**Calculus 1 (MTH 251) is a prerequisite for Calculus 2 (252).**

This course is open to students who show a high degree of proficiency in Pre-Calculus. Thorough instruction in single variable differential and integral calculus, analytic geometry, and their applications, is provided in a collegiate-level course. Topics include limits, derivatives, related rates, graph behavior, antiderivatives, and techniques of integration, area, and volume. Students who are interested in areas of study including business, science, engineering, math, and CIS will need to take Calculus in college and consider taking this for college credit if prerequisites are met. All students, regardless of Dual Credit status, will be held to the same grading standards. To earn dual credit, students must register and pay \$220 each semester for 4 credits, completing 8 credits total (with documented financial need, cost reduced to \$50 per semester). For registration deadlines and more information, go to <https://www.pdx.edu/challenge-program/for-students>.

## **IB Mathematics Analysis and Approaches HL I**

### **Calculus 3 and Linear Algebra (Math 253/261, Dual Credit)**

### **(10-12) Full Year Class**

**Credit: 1.0 Mathematics**

**Prerequisites for high school credit: Completion of Math 251/252 and teacher's signature**

**Prerequisites for college credit: 3.0 cumulative GPA, successful completion of MTH251/252 .**

This course is open to students who have completed Calculus Dual Credit at Sunset High School. It concurrently satisfies the completion of 1st year Collegiate Calculus, Introductory Linear Algebra course, as well as the requirements for the first year of high school IBHL Mathematics. Topics covered first semester include sequences and series (writing and testing for convergence), Parametric Equations, Vector Geometry, Vector and Parametric Calculus, and the Calculus of Vector-Valued Functions. Topics covered in second semester include matrix operations, linear relationships and transformations, and matrix applications. Completion of this course, and its prerequisite, will satisfy the first year of college math (should credit transfer). Students who take this course should be interested in studying science, mathematics, or CIS in college. All students, regardless of Dual Credit status, will be held to the same grading standards. To earn dual credit, students must register and pay \$220 each semester for 4 credits, completing 8 credits total (with documented financial need, cost reduced to \$50 per semester). For registration deadlines and more information, go to <https://www.pdx.edu/challenge-program/for-students>.

### **IB HL Math II**

**(12) Full Year Class**

**Credit: 1.0 Mathematics**

**Prerequisites: IB Math HL I, and teacher's signature**

This is the second year of the IB Math Higher Level program and prepares students to take the IB Math HL exam. Students coming into this course have completed topics in Pre-Calculus, Continuity, Derivative Calculus, and Integral Calculus. In this course, students will continue to prepare for the IB HL Exam by learning about series and differential equations, Statistics, and additional topics to support the completion of the HL exam. Students must complete an internal assessment consisting of a math exploration paper and plan to complete the IB HL Exam.

### **Statistics 1 & 2 (Math 243/244, Dual Credit)**

**(11-12) Full Year Class**

**Credit: 1.0 Mathematics**

**Prerequisites: Completion of AGS 3 or Accelerated AGS3 and teacher's signature**

A basic course in statistical analysis including presentation of data probability, probability distributions, sampling distributions, estimation, tests of significance, experimental design and analysis of variance, regression and correlation, nonparametric statistics, selected topics, applications, and use of statistical computer packages. This is a course designed to be accessible to both the STEM and Liberal Arts focused student, but is a rigorous, college-level course. All students, regardless of Dual Credit status, will be held to the same grading standards. To be eligible for dual credit, students must have completed the necessary prerequisites with a cumulative math GPA of 3.0 or higher. To earn Dual credit, students must register and pay \$220 each semester for 4 credits, completing 8 credits total (with documented financial need, cost reduced to \$50 per semester). For registration deadlines and more information, go to <https://www.pdx.edu/challenge-program/for-students>.

## **Other Elective Opportunities**

### **IB THEORY OF KNOWLEDGE + CORE I (Juniors)\***

**(11) Full year class**

**Credit: 1.0 Elective**

**Prerequisite: Full IB Diploma Candidates Only**

This course delivers instruction and support for the three “IB core” elements required for the International Baccalaureate Diploma. The IB Core is comprised of Theory of Knowledge (TOK), the Extended Essay (EE), and the Creativity, Activity & Service (CAS). Engagement in these elements must take place over both years of the IB Diploma Program. Theory of Knowledge (TOK) is course that explores the limits, origins, and implications of knowledge and seeks to foster critical reflection and connections between different disciplines and ways of thinking. Students learn to appreciate the strengths and limitations of various kinds of knowledge, formulate rational arguments and evaluate the role of language as a way to convey knowledge. Students will strengthen skills and knowledge on college-level research and research writing practices in support of the IB Extended Essay, which entails conducting independent, self-directed research on a topic of choice. Students begin their EE process during Junior year, and complete a 4,000 word essay during Senior year. Students will also receive guidance and support for CAS requirements and reflections. Students may also engage in extended learning through small groups in IB Subject areas and other activities that enhance support for IB DP candidates.

## **IB THEORY OF KNOWLEDGE + CORE II (Seniors)\***

**(12) Full year class**

**Credit: 1.0 Elective**

**Prerequisite: Full IB Diploma Candidates Only**

This course is the second year of the IB TOK + Core requirements for IB Diploma candidates. Students will complete the course of study for IB Theory of Knowledge, including formal internal IB assessments. By the completion of IB TOK, students will have examined the bases of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, the arts, history, ethics, religious knowledge systems, and indigenous knowledge systems, with an awareness of moral, political, and aesthetic judgments and biases. By learning to appreciate the strengths and limitations of various kinds of knowledge, students will cultivate an appreciation of the unique ways in which different people see the world and to foster connections between different types of knowledge and different types of experiences. Students will continue and complete the final draft of their Extended Essay, along with reflections on the research writing process. Students will continue engagement in CAS experiences, and compile a portfolio of evidence and reflections. Students may also engage in organized extended collaborative small group learning leading up to IB Exams, engage in IB advisory activities in support of the college admissions process, participate in exhibitions of learning, and other activities for the final year of the IB Diploma experience.

## **IB THEORY OF KNOWLEDGE (TOK 1 and TOK 2)\***

**Semester Class (2<sup>nd</sup> Semester)**

**Semester Class (1<sup>st</sup> Semester)**

**(11 or 12)**

**Credit: .5 Elective**

**Prerequisite: None; Non-IB Diploma Candidates only; for Juniors and Seniors only.**

Theory of Knowledge (TOK) is a unique course that explores the limits, origins, and implications of knowledge and seeks to foster critical reflection and connections between different disciplines and ways of thinking. Some essential questions emerge in many of the disciplines that we will study. For example, how do we know what we know? Are there different ways of knowing, and is one way of knowing better than another? What is reality? Is there an objective reality or is it all-subjective? The nature of the course is not to teach “the correct philosophy” or the best “way of knowing”. Rather, it is to cultivate an appreciation of the unique ways in which different people see the world and to foster connections between different types of knowledge and different types of experiences. The class is discussion based, and participation is highly encouraged.

## **INTRO TO LEADERSHIP**

**(9-10) Semester Class**

**Credit: 0.5 Elective**

**Prerequisite: Application**

**Pick up application in M-1 or Counseling Office**

This course is designed for students who would like to strengthen their intrinsic and extrinsic leadership skills and explore what it takes to be a positive, effective leader. Students will participate many diverse public speaking opportunities, they will develop and carry out community service projects, reflect on their actions and the actions of others around them, and attend a variety of school events to learn how to best support their fellow Apollos and the Sunset Community. Introduction to Leadership students will also lead and participate in class discussions on a wide range of topics, including but not limited to communication and listening, leadership qualities and characteristics, power, diversity, values and ethics, conflict resolution, and responsibility. This course is ideal for those that want to eventually get involved in Leadership or simply wish to develop leadership skills for school, clubs, sports, and life experiences. Students are also encouraged to explore and possibly run for Student Leadership/Government in the future.

## **STUDENT LEADERSHIP**

**(10-12) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisites: Application, interview (suggested: Have taken Intro to Leadership Class)**

**Pick up application in M-1**

Description: Students in this class will boost their leadership skills and impact the Sunset Community. Consisting of five committees: Kindness, Future Apollos, School Improvement, Community Outreach/ Service, and Spirit, this class works beyond the doors of school, targeting more than just major school events. The goal of this class is to make school a better place for all our classmates as well as make a positive impact on our community. By joining, you have the capacity to truly impact your environment with more creativity and flexibility than before. Students in this class go through an application and interview process in the spring. If accepted, student and teacher will work together to adjust their schedule with their counselor.

Note: This is a year-long course during the school day, but also meets outside of the school day when necessary.

## **STUDENT GOVERNMENT**

**(10-12) Full year class**

**Credit: 1.0 Elective**

**Prerequisites: Application, Election Process (suggested: Have taken Intro to Leadership Class and/or Student Leadership )**

**Pick up application in M-1**

Students in this class are either elected as ASB officers through an all-student-body election procedure or as delegates through a competitive application process. Students will learn to organize events, work effectively with others, and set/evaluate goals. Through a hands-on experience, students will learn about leadership, decision-making and effective communication techniques. Student Government students are responsible for assemblies, dances, clubs, major fundraisers, philanthropic events, lunchtime activities and announcements, and publicity. Student Government is a commitment to excellence: hard work, personal reflection, full attendance at all activities during school and after school hours are required. Student assessment and evaluation is based on written assignments, community service, dedication to projects, committee work, and lesson planning. Students do not sign up for this course; once elected or accepted, students and teacher will work together to adjust their schedule with their counselor.

Note: This is a year-long course during the school day, but also meets outside of the school day when necessary.

## **SUPERVISED STUDY**

**(9-12) Semester Class**

**Credit: None**

This option is designed to allow students to complete homework, study, and receive assistance with their work. Students will be assigned a classroom and supervising teacher.

## **WORK EXPERIENCE FOR CREDIT**

**(11-12) Semester or Full Year Class**

**Credit: .5 or 1.0 Elective**

**Prerequisite: coordinator's signature**

Work Experience for Credit involves a formal training agreement between a classroom teacher, student, and employer. These training agreements are used to outline what the student is expected to learn and demonstrate at the workplace. A student may earn a .5 elective credit [1 credit maximum] by working 60 hours. Students earn a 'pass/fail' grade for the work experience. This elective credit is offered to juniors and seniors only. Work experience hours may only be logged once the student completes the application forms.

## **COMMUNITY SERVICE LEARNING**

**(11-12) Semester Class**

**Credit: .5 Elective**

**Prerequisite: coordinator's signature**

Students have the opportunity to earn elective credit when they participate in 60 hours of service to their community and complete several other components of this program. A student may earn a .5 elective credit [1 credit maximum]. Community service hours may only be logged once the student completes the application forms.

## **ELEMENTARY TUTOR PROGRAM**

**(11-12) Semester Class or Full Year Class**

**Credit: .5 Elective**

**Prerequisite: Teacher's Approval**

**Grading: Pass/Fail**

This course is designed for juniors and seniors who are interested in working with elementary students and teachers. It consists of one on one and group tutoring as well as being a teacher assistant. The hours are set after instructor's approval and an interview with elementary staff members. Students are responsible for their own transportation to and from Terra Linda Elementary School.

## **TEACHER ASSISTANT**

**(9-12)**

**Credit: .5 Elective**

**Prerequisite: Instructor's Approval**

**Grading: Pass/Fail**



## **EARLY RELEASE**

### **LATE ARRIVAL**

**(11-12)**

**No Credit**

## **College and Career Center Productions - T.A.**

**(10-12) Semester Class**

**Credit: .5 Elective**

**Prerequisite: Career Center Counselor Approval (Mrs. Hay-Roe)**

**Grading: Pass/Fail**

If you have a desire to film and edit videos, the College and Career Center (CCC) may be the perfect place to practice your passion. The job will require you to create a story board, write scripts, gather & direct actors, film, and edit creations that are ready for viewing in 8th period Advisory.

## **RELEASE TIME-RELIGIOUS EDUCATION**

**(9-12) Full Year Class**

**Credit: None**

**Prerequisites: None**

Arrangements can be made to leave campus to pursue religious education. Students who want release time during the day **must include this in their forecasting sheets. No credit will be granted for this option.**

## **CAREER EDUCATION (See Career Development section for more information)**

**(9-12) Year long.**

**Credit: .5 Career Education, .125 awarded each year.**

**Prerequisite: None**

While students do not forecast for Career Education as a course, it is a graduation requirement in the State of Oregon. Most "Personalized Learning Requirements" are met through activities & assignments completed during the first 30 minutes of 8<sup>th</sup> period.

To meet these requirements, each student must:

For students to meet the Career Education requirements a student must:

- Develop an education plan and build a 4-year educational Plan and Profile.
- Participate in four career-related learning experiences, (CRLE's), write a resumé and a job application.
- Apply and extend knowledge via Mock Interviews and a Senior Presentations.

## **TERRA NOVA APPLIED CHEMISTRY & SUSTAINABLE FOODS**

**(9-12) Full Year Class**

**Credits: 1.0 Science & 1.0 Applied Arts**

**Prerequisite: Applies only to current 8th graders -Must meet STEM Chemistry prerequisites**

This is a project-based course and is taught at the Terra Nova School which includes a 4-acre farm, woodshop and industrial kitchen. Transportation to Terra Nova is provided from your home school. This is a rigorous course where

students will learn Chemistry and sustainability through experimentation and engineering on our farm, and in our kitchen. Course content will include all of the Beaverton School District Chemistry standards including: intermolecular forces, structure and properties of water, kinetic molecular theory, equilibrium and climate change. Technological, historical, political and environmental aspects of chemistry and sustainability will be addressed. Students signing up for this course should self-motivated, prepared to work outside for portions of the course, care for their own garden bed, and learn chemistry concepts in a hands-on learning environment.

Please check out this video and our Instagram page for more information.

[Link to video,](#)

Instagram: [@terranozasustainability](#)

- Applied Chemistry and Sustainable Foods must be taken together
- Transportation is provided from your home high school.
- Honors option is available.

## **TERRA NOVA FIELD BIOLOGY & SUSTAINABLE PRACTICES**

**(10-12) Full Year Class**

**Credits: 1.0 Science, 1.0 Applied Arts**

**Prerequisite: Applies only to current 9th graders -Passing STEM Chemistry**

This project-based course is taught at the Terra Nova School which includes a 4-acre working farm, woodshop and industrial kitchen. Transportation is provided from your home high school. This is a rigorous course that covers the foundational principles of modern life through the lens of sustainable agriculture at the Terra Nova Farm. Students will work outside and in the classroom learning field biology techniques. Course content will include all the Beaverton School District Biology standards including: the studies of biochemistry, cellular processes, genetics, evolution, sustainability, and ecology. Technological, historical, political and environmental aspects of biology and sustainability will be addressed. Critical thinking, research, communication and analysis are emphasized. Students signing up for this course should self-motivated, prepared to work outside for portions of the course and learn course concepts in a hands-on learning environment.

Please check this video or our Instagram page from more information.

[Link to video,](#)

Instagram: [@terranozasustainability](#)

- You must sign up for Sustainable Practices along with this course
- Transportation is provided from your home high school to Terra Nova

# AVID

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a yearlong course with a curriculum that spans over the duration of high school. The majority of AVID students take the elective course all four years at Sunset. Each week, students receive instruction utilizing a rigorous college preparatory curriculum, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate

strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. Some students will have previous experience with AVID at the middle school grades and some students will be experiencing AVID for the first time.

## **AVID WORKSHOP 9**

**(9) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: Application**

**Pick up application in Counseling Office**

The ninth grade AVID elective course will serve as a review of the AVID philosophy and strategies. Students will work on academic and personal goals and communication, adjusting to the high school setting. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. There is an emphasis on analytical writing, focusing on personal goals and thesis writing. Students will work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test-taking, note-taking, and research techniques. They will take an active role in field trip and guest speaker preparations and presentations. Their college research will include financial topics and building their knowledge on colleges and careers of interest.

## **AVID WORKSHOP 10**

**(10) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: Application**

**Pick up application in Counseling Office**

During the tenth grade AVID elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Students will also analyze various documents, in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.

## **AVID WORKSHOP 11**

**(11) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: Application**

**Pick up application in Counseling Office**

The eleventh grade AVID elective course is the first part in a Junior/Senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their postsecondary plans.

## **AVID WORKSHOP 12**

**(11) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: AVID 11 and Application**

**Pick up application in Counseling Office**

The twelfth grade AVID elective course is the second part in a Junior/Senior seminar course that focuses on writing and critical thinking expected of first-and second-year college students. Students will complete a final research project from the research conducted during their Junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies and tasks that should be achieved during the senior year to support students as they apply to four-year universities and confirm their post-secondary plans. All AVID Seniors are required to develop and present a portfolio representing their years of work in the AVID program, as well as complete the requirements for the seminar course.

## **AVID PEER TUTOR**

**(11-12) Year Long Class**

**Credit: 1.0 Elective**

**Prerequisite: Application Only**

**Pick up application in Counseling Office**

**Grading: A-F**

AVID Tutors work to cultivate the organization, reading, writing, collaboration and inquiry skills central to the AVID curriculum. Tutors must be comfortable leading small groups during projects, Socratic seminars, and tutorials. On tutorial days the AVID Tutor will facilitate a group of seven or fewer students through a structured inquiry process while taking notes, tracking participation and encouraging participation of the group members. The primary focus is academics, but note that strong candidates should serve as a good role model by maintaining passing grades in all classes, excellent attendance and appropriate behavior inside and outside of school. Six hours of training is provided in September.

# Physical Education

## **FRESHMEN TOTAL FITNESS PROGRAM**

- 1. All Freshmen will be required to take one of the three "Total Fitness" physical education classes.**
- 2. Sophomores, juniors, and seniors who have not taken one of these classes require approval.**
- 3. Common course descriptions of each of these three courses:**

Students participating in Total Fitness Classes will become knowledgeable in fitness concepts and demonstrate the ability to make life-long fitness choices. Through critical reflection of their own achievements, students will learn to set appropriate goals designed to enhance their fitness, take actions to reach their goals, and become personal risk-takers regarding their own fitness choices. Units will provide opportunities for students to demonstrate attitudes and strategies

that deepen and enhance their communication and relationships with others. Students will be expected to show a high degree of respect and sensitivity to themselves, others, and the class environment. Activities will emphasize local and global significance, personal responsibility, enthusiasm, and commitment to fitness throughout the semester.

## **TOTAL FITNESS: INDIVIDUAL ACTIVITIES**

**(9) Semester Class**

**Credit: .5 Physical Education**

**Prerequisite: None**

This class will cover skills, rules, strategies and training techniques for a variety of individual oriented activities both competitive and recreational in nature. Activities may include, but are not limited to track and field, jogging, golf, tennis, table tennis, pickle ball, badminton, and weight training.

## **TOTAL FITNESS: MOVEMENT ACTIVITIES**

**(9) Semester Class**

**Credit: .5 Physical Education**

**Prerequisite: None**

This class will cover skills, rules, strategies and training techniques for a variety of movement activities both competitive and recreational in nature. Activities may include, but are not limited to cardio-kickboxing, jump rope, step aerobics, lightweights, rhythms, yoga/Pilates, and self-defense.

## **TOTAL FITNESS: TEAM ACTIVITIES**

**(9) Semester Class**

**Credit: .5 Physical Education**

**Prerequisite: None**

This class will cover skills, rules, strategies and training techniques for a variety of team oriented activities both competitive and recreational in nature. Activities may include, but are not limited to basketball, flag football, soccer, volleyball, ultimate Frisbee, jogging, jump roping, and weight training.

## **DANCE**

**(9-12) Semester Class**

**Credit: .5 Physical Education**

**Prerequisite: Freshmen total fitness course**

Learn basic dance skills in a wide variety of dance styles. Come share your favorite dance form with others in the class. Explore the basic concepts of choreography. Increase your muscular strength and control, flexibility and cardiovascular endurance.

## **YOGA (Flexibility and Strength Techniques)**

**(9-12) Semester Class**

**Credit: .5 Physical Education**

**Prerequisite: Freshmen total fitness course**

This course presents yoga movements for beginning and intermediate students with an emphasis on balance, flexibility, mindfulness and breathing techniques while providing a total-body workout. These techniques help students avoid strains and injuries by teaching how to efficiently use their body during exercise and daily activities. This class also promotes stress management techniques, spatial awareness and cardiovascular improvement.

## **AEROBICS**

**(9-12) Semester Class**

**Credit: .5 Physical Education**

**Prerequisite: Freshmen total fitness course**

This course focuses on activities that advance personal cardio-respiratory training. Muscular strength, muscular endurance and flexibility training will be incorporated. The course is designed for students who prefer non-competitive team sports and non-dance models of physical, life-long conditioning.

**BASKETBALL**

**(9-12) Semester Class**

**Credit: .5 Physical Education**

**Prerequisite: Freshmen total fitness course**

This is open to students who want to increase their basketball skills. Emphasis will be on the development of individual techniques and team play.

**TEAM SPORTS**

**(9-12) Semester Class**

**Credit: .5 Physical Education**

**Prerequisite: Freshmen total fitness course**

Students will increase knowledge and skills in various competitive and lifelong physical activities. Emphasis will be on skill development, strategy and team building to enhance success and enjoyment.

**STRENGTH TRAINING & CONDITIONING**

**(9-12) Semester Class**

**Credit: .5 Physical Education**

**Prerequisite: Freshmen total fitness course**

This course is offered for men and women who are interested in increasing muscular strength, flexibility, agility, and endurance. This class will use the Strength and Conditioning Center. This facility has the best strength training equipment available. Student ability and experience level can range from beginning to advanced. Free weights will be the primary focus in a three day a week full body lifting program. Strength training will be the primary activity and cardiovascular fitness, flexibility and agility will be secondary activities.

**ADAPTIVE P.E. PEER Assistant**

**(9-12) Semester**

**Credit: .5 Elective**

**Prerequisite: teacher's signature**

**Grading: Pass/Fail**

This course offers an opportunity for students to be a role model and peer mentor to students in the Adaptive P.E. class. They will be able to establish personal friendships with students in Adaptive P.E. and gain an understanding of individual differences. The peer tutor will be required to assist students in participating in P.E. activities and must have a desire to help and motivate students with diverse abilities.

# Science

## SCIENCE SEQUENCE

| 9 <sup>th</sup> Grade | 10 <sup>th</sup> Grade   | 11 <sup>th</sup> Grade  | 12 <sup>th</sup> Grade   |
|-----------------------|--|---|--|
| Physics I             | Chemistry I<br>STEM Chemistry<br>Terra Nova Farm:<br>* Applied Chem./Foods I | Biology I<br>IB Biology<br>IB Physics<br>IB Chemistry<br>IB Sports, Exercise Science<br>Terra Nova Farm -<br>*Applied Chem./Foods-I<br>* Field Biology/Foods-II | IB Biology<br>IB Physics<br>IB Chemistry<br>IB Sports, Exercise Science<br>Anatomy & Physiology<br>NW Ecology<br>Physics in Astronomy<br>Terra Nova Farm-<br>*Applied Chem./Foods-I<br>*Field Biology/Foods-II |
| STEM Physics          | Chemistry I<br>STEM Chemistry<br>Terra Nova Farm:<br>* Applied Chem./Foods I | Biology I<br>IB Biology<br>IB Physics<br>IB Chemistry<br>IB Sports, Exercise Science<br>Terra Nova- Farm<br>*Applied Chem./Foods-I<br>* Field Biology/Foods-II  | IB Biology<br>IB Physics<br>IB Chemistry<br>Anatomy & Physiology<br>NW Ecology<br>Physics in Astronomy<br>IB Sports, Exercise Science<br>Terra Nova Farm<br>*Applied Chem./Foods-I<br>* Field Biology/Foods-II |

### Science Forecasting

**All students must take a physics, chemistry, and biology course prior to graduation**

\* Anatomy & Physiology cannot replace Biology unless concurrently enrolled in Health Careers

## PHYSICS I

**(9) Full Year Class**

**Credit: 1.0 Science**

**Prerequisite: None**

This is a lab-based physics course designed for freshmen. Using the processes of scientific inquiry, engineering design, and critical thinking students will discover and apply patterns in such major physics topics as motion, forces & momentum, energy, waves, and electromagnetism. An important aim of the course is to develop and build students' math abilities, performance in problem solving, scientific literacy, and technical communication skills that will be useful in later science courses. This course will address all ODE physics, inquiry, and engineering standards.

## STEM PHYSICS

### **(9) Full Year Class**

**Credit: 1.0 Science**

**Prerequisite: 8th grade Science teacher's signature**

This is a foundational lab-based physics course designed for freshmen that may be interested in careers in Science, Technology, Engineering, and Math (STEM). Through rigorous scientific inquiry and complex engineering design, students will be challenged to discover, explore, and apply patterns in such major Physics topics as motion, forces, momentum, energy, waves, electricity, and magnetism. An important aim of this course is to challenge and enhance students' math abilities, performance in problem solving, scientific literacy, and technical communication skills that will be useful in STEM careers. This course will address, with extended depth, the Oregon State Science standards for physics, scientific inquiry, and engineering.

### **IB PHYSICS SL I/HL I\***

**(11-12) Full Year Class**

**Credit: 1.0 Science**

**Prerequisites: B or better in Phys I or STEM Phys or STEM Chem as a Freshman and enrollment in IB Math SL/HL, Pre-Calc or higher, and a teacher's signature.**

IB Physics I is the study of behavior and structure of matter and the universe. Topics will include measurement, mechanics, thermal physics, waves and optics / imaging, electricity and magnetism, and atomic and nuclear physics. With students' additional independent study outside of class time during winter and spring breaks, IB Physics I will prepare students for the International Baccalaureate standard level (SL) exam. Extremely strong algebra skills required.

### **IB PHYSICS HL II\***

**(12) Full Year Class**

**Credit: 1.0 Science**

**Prerequisites: IB PHYSICS SL I/HL I, and teacher's signature**

This course is the second year of the IB Physics program. Topics will include a short review of the first year topics and then an in depth study of light and wave interference, quantum physics, thermodynamics, fluids, special and general relativity, and nuclear physics. The two-year sequence will prepare students for both the IB Higher Level (HL) and the IB Standard Level (SL) Physics exams.

### **CHEMISTRY I**

**(10) Full Year Class**

**Credit: 1.0 Science**

**Prerequisite: Completion of Physics I or STEM Physics**

This year long, lab-based course addresses all of the Oregon State Science Standards for chemistry, inquiry and engineering, emphasizing the connections between the laboratory and the world around you. This course will enhance fundamental science related math skills and build upon topics from Physics 1 course. This course also provides students with college ready science skills regardless of higher-level educational focus. The course studies the interactions among different forms of energy and matter. Topics include atomic structure/compounds, the Periodic Table of Elements, chemical reactions, gases, solutions, chemical quantities, kinetic theory, and thermodynamics. Students enrolled in this course should be concurrently enrolled in a mathematics course.

### **STEM CHEMISTRY**



## **(10) Full Year Class**

**Credit: 1.0 Science**

**Prerequisite: Completion of Physics I or STEM Physics**

This year long, lab-based course will study the interactions among different forms of energy and matter, emphasizing higher-level mathematical relationships and reasoning. Content and skills that have been learned in previous science courses will be built upon. The mathematical skills necessary for success include algebraic manipulation, graphing, and data analysis. This course is intended for students who are interested in exploring Science, Technology, Engineering, and Math (STEM) career or educational pathways. It will address, with extended depth, the Oregon State Science Standards. Topics addressed will include the structures of atoms and compounds, the Periodic Table of the Elements, chemical reactions, chemical quantities, kinetic theory, and thermodynamics. This course prepares students for advancement to IB Chemistry SL I/HL I.

## **IB CHEMISTRY SL I/HL I \***

**(11-12) Full Year Class**

**Credit: 1.0 Science**

**Prerequisites: B or better in STEM Chem, AGS III or higher and the IB Chem, and teacher's signature**

This course will follow the International Baccalaureate curriculum for standard level chemistry and will build upon content and skills learned in STEM chemistry. The course is built on a foundation of experimental investigations with topics ranging from simple stoichiometry to organic chemistry. Material in the class will be covered quickly so students should be highly motivated and well organized. Good problem solving skills are necessary as this course prepares students for the standard level IB exam or for advancement to the HL II course. A required review packet will be available for completion the summer before the course begins.

## **IB CHEMISTRY HL II\***

**(11-12) Full Year Class**

**Credit: 1.0 Science**

**Prerequisites: B or A grade in IB CHEM SL I/HL I, AGS III or higher & IB Chem teacher's signature**

This course will follow the International Baccalaureate curriculum for higher level chemistry and will build upon content and skills learned in the first year of IB Chemistry. The course is built on a foundation of experimental investigations with advanced topics ranging from quantitative relationships to organic chemistry. Material in the class will be covered quickly so students should be highly motivated and well organized. Good problem solving skills are necessary as this course prepares students for the higher level IB exam. A required review packet will be available for completion the summer before the course begins.

## **BIOLOGY I**

**(11-12) Full Year Class**

**Credit: 1.0 Science**

**Prerequisites: Physics I or STEM Phys. and Chemistry I or STEM Chem.**

This lab-based course covers the foundational principles of modern life focusing on molecular processes. The course is framed around the themes of structure and function as well as interaction and change. All Oregon state standards for Biology, Scientific Inquiry and Engineering Design are covered. Course content will include the studies of biochemistry, cellular processes, genetics, evolution, and ecology. Technological, historical, political, and environmental aspects of biology will be addressed. Content learned in physics and chemistry courses is built upon and expanded on in a biological context. Critical thinking and analysis are emphasized.

## **HUMAN ANATOMY & PHYSIOLOGY**

### **(11-12) Full Year Class**

**Credit: 1.0 Science**

**Prerequisites: Chemistry, and teacher's signature, Biology highly recommended**

**Dual enrollment with Health Careers and Anatomy & Physiology for 11<sup>th</sup> only.**

This is a specialized course in the study of the structure and function of the human body. Focus will be given to all major body systems (ex. respiratory, circulatory, muscular, skeletal, etc.) in the hope of giving students an appreciation for the complexity and wonder of the human body. Students should be prepared to participate in numerous dissection activities. Students may have the opportunity to earn up to 6 college credits through Oregon Institute of Technology.

### **IB SPORTS, EXERCISE SCIENCE SL\***

**(11-12) Full Year Class**

**Credit: 1.0 Science**

**Prerequisites: satisfactory completion of Chemistry, and teacher's signature**

Excellence in sport is not an accident but results instead from the combination of innate ability and highly developed skills together with the appropriate application of physical and mental training along with optimal nutrition. In this course we will learn that within each of us lie the seeds of greatness as we take a fun, hands-on, experimental approach to learning how the body works in the context of sport and exercise. We will develop an understanding of the musculoskeletal, physiological, biomechanical and nutritional bases for human performance and will apply our knowledge to analyze human performance in sports and to also inform and further our training and competitive goals.

### **IB BIOLOGY HL I\***

**(11-12) Full Year Class**

**Credit: 1.0 Science**

**Prerequisites: Stem Chem and/or IB Chem highly recommended, or B or better in Chem I, and teacher's signature**

The higher-level biology curriculum involves two years of study. In the first year, students study cellular organization and biochemistry, nutrition, genetics and molecular biology, and plant systems. **This is a rigorous college level course with high expectations that relies heavily on a chemistry background of knowledge.** A required chemistry review packet must be completed over the summer **before** the course begins.

### **IB BIOLOGY HL II\***

**(11-12) Full Year Class**

**Credit: 1.0 Science**

**Prerequisites: satisfactory completion of Chemistry and IB Biology HL I, and teacher's signature**

This course is part two of the two-year Higher Level IB Biology sequence. Students will study and explore ecology, evolution, human physiology (including digestive, circulatory, respiratory, immune, endocrine, urinary, reproductive systems) and microbiology. This is a rigorous college-level course with high expectations and many of the students are preparing to take the IB Biology HL Exam at the end of this year.

### **NORTHWEST ECOLOGY**

**(12) Semester or Full Year Class**

**Credit: .5 or 1.0 Science**

**Prerequisite: none**

The course will provide a hands-on science inquiry experience for 12th grade students. The course is both field and classroom based and will provide an opportunity to demonstrate critical thinking skills. Students will gain a working knowledge of the Northwest's natural areas. Topics of study will center on the NW's geography, forestry, plant and animal ecology, fresh and marine ecosystems. Associated topics will examine how we have impacted our ecosystems as well as the policies created to regulate the use of our resources.

### **PHYSICS IN ASTRONOMY**

**(12) Semester or Full Year Class**

**Credit: .5 or 1.0 Science**

**Prerequisite: none**

Astronomy offers students the opportunity to study physics through the exploration of the characteristics of our universe. Topics that will be discussed will be the search for water on Mars, wildly energetic explosions of dying stars, space missions to other planets, and the edge of the solar system. The course will introduce conceptual physics topics through a study of the tiniest particles and earliest moments, to the large-scale structure of the universe as a whole.

## **TERRA NOVA APPLIED CHEMISTRY & SUSTAINABLE FOODS** (*TERRA NOVA – Community Farm site*)

**(9-12) Full Year Class**

**Credits: 1.0 Science & 1.0 Applied Arts**

**Prerequisite: Applies only to current 8th graders -Must meet STEM Chemistry prerequisites**

This is a project-based course and is taught at the Terra Nova School which includes a 4-acre farm, woodshop and industrial kitchen. Transportation to Terra Nova is provided from your home school. This is a rigorous course where students will learn Chemistry and sustainability through experimentation and engineering on our farm, and in our kitchen. Course content will include all of the Beaverton School District Chemistry standards including: intermolecular forces, structure and properties of water, kinetic molecular theory, equilibrium and climate change. Technological, historical, political and environmental aspects of chemistry and sustainability will be addressed. Students signing up for this course should be self-motivated, prepared to work outside for portions of the course, care for their own garden bed, and learn chemistry concepts in a hands-on learning environment.

Please check out this video and our Instagram page for more information.

[Link to video,](#)

Instagram: [@terranovasustainability](#)

-Applied Chemistry and Sustainable Foods must be taken together

-Transportation is provided from your home high school.

-Honors option is available.

## **TERRA NOVA FIELD BIOLOGY & SUSTAINABLE PRACTICES** (*TERRA NOVA – Community Farm site*)

**(10-12) Full Year Class**

**Credits: 1.0 Science, 1.0 Applied Arts**

**Prerequisite: Applies only to current 9th graders -Passing STEM Chemistry**

This project-based course is taught at the Terra Nova School which includes a 4-acre working farm, woodshop and industrial kitchen. Transportation is provided from your home high school. This is a rigorous course that covers the foundational principles of modern life through the lens of sustainable agriculture at the Terra Nova Farm. Students will work outside and in the classroom learning field biology techniques. Course content will include all the Beaverton School District Biology standards including: the studies of biochemistry, cellular processes, genetics, evolution, sustainability, and ecology. Technological, historical, political and environmental aspects of biology and sustainability will be addressed. Critical thinking, research, communication and analysis are emphasized. Students signing up for this course should be self-motivated, prepared to work outside for portions of the course and learn course concepts in a hands-on learning environment.

Please check this video or our Instagram page for more information.

[Link to video,](#)

Instagram: [@terranovasustainability](#)

-You must sign up for Sustainable Practices along with this course

-Transportation is provided from your home high school to Terra Nova

# Social Sciences

## Social Studies Sequence

### Standard Curriculum:

9th: World History 9  
10th: World History 10  
11th: IB History SL  
12th: Senior Seminar or IB elective

### Most Challenging Curriculum:

9th: World History 9 (See Honors)  
10th: World History 10 (See Honors)  
11th: IB History HL I  
12th: IB History HL II

## Social Sciences Required Courses

### WORLD HISTORY 9

#### (9) Full Year Class

**Credit: 1.0 Social Science**

**Prerequisite: None**

This is the first year of Sunset's required two-year world history study. The course takes a chronological approach focusing on the themes of power and belief. Students will examine the development of our world's diverse civilizations as well as their responses to common challenges. Students will have the opportunity to develop skills that prepare them for advanced high school and college work in the social sciences.

**Honors Option:** The Honors Program is open to all students. This program is designed for curious and motivated students in order to sharpen academic skills through reading, writing, and discussion of challenging texts and ideas, and to go more in-depth with the world history curriculum. This will help better prepare students for challenging 11th and 12th grade coursework. Upon successful completion, an honors designation will appear on a student's transcript

### WORLD HISTORY 10

#### (10) Full Year Class

**Credit: 1.0 Social Science**

**Prerequisite: None**

In the second year of Sunset's required two-year world history program, we will look at how the world became modern. Starting with the Renaissance in Europe, the year will progress through history by studying exploration, revolutions, industrialization, globalization, and colonization. We will look at who wins in history and who loses; the challenges faced by civilizations; what happens when different cultures collide; and how the earth came to be interconnected. In class you will try to survive the Black Death, plan a trade route and compete to make the most profit, and create a village while watching what happens when the Industrial Revolution comes. We will use primary sources, images, maps, and more to further develop skills introduced in the 9<sup>th</sup> grade including reading, writing, discussion, and source evaluation. You will engage in historical investigation research and be prepared for IB coursework in your Junior and Senior years.

**World History 10 Honors Option:** The Honors Program is open to all students. This program is designed for curious and motivated students in order to sharpen academic skills through reading, writing, and discussion of challenging texts and ideas, and to go more in-depth with the world history curriculum. This will help better prepare students for challenging 11th and 12th grade coursework. Upon successful completion, an honors designation will appear on a student's transcript.

## **IB HISTORY SL \***

**(11) Full Year Class**

**Credit: 1.0 Social Science**

**Prerequisite: World History 10**

Can people change injustices? When and how is protest effective? What is America's story? What do you need to do to change the world? These are some of the questions IB History SL will explore. With a focus on civil rights and protest, the rise of independence movements, and the evolution of democratic states, this course will place major historical events into a global context. America's story will be examined alongside South Africa, Cuba, Vietnam, and Ghana, giving you a global understanding of events in the 20<sup>th</sup> century. You will conduct and write a historical investigation; use cartoons, letters, and songs to understand the past; and practice your communication skills through simulations and role plays. Taking this course will prepare you for the IB History SL (standard level) exam in May, which could earn you college credit. (This class is intended for 11th graders. It is a yearlong class.)

\* SL denotes a standard level class. Students may register for and take the IB History SL test in May. A student who wants to pursue IB History at the higher level (HL) should register for IB History of the Americas in their junior year, and take IB History HL II in the senior year.

## **IB HISTORY HL I (IB History of the Americas)\***

**(11) Full Year Class**

**Credit: 1.0 Social Science**

**Prerequisite: Honors Option in World History 10 Highly Recommended**

Is history the story of progress? What does it mean to be a democracy? In what ways does the meaning of freedom change over time? IB History of the Americas HL is the first class in a two-year course of studies that will show students how to *do* history by exploring the expansion of rights and development of democracy in the Americas. You will study the history of the western hemisphere from colonialism to revolution, the challenges of nation building, the causes, course, and effects of the U.S. Civil War (1840-1877), and the development of modern nations (1865-1900). Using a range of sources including letters, speeches, songs, and texts you will study the two American continents to better understand the regions' change over time. You will be able to take the IB higher-level exam at the end of your senior year. (The 20th Century portion of the History of the Americas will continue with IB History HL II during the senior year.)

## **IB HISTORY HL II (IB History of the Americas HL II)\***

**(12) Full Year Class**

**Credit: 1.0 Social Science**

**Prerequisite: IB History of the Americas HL I is required to take the IB HL exam, but any senior may enroll in IB History HL II.**

Love history? Looking for a challenge? Then this is the course for you! Starting where History of the Americas leaves off, this course tells the story of America's move from a new nation into a global superpower. We also examine the social aspect of America's development by looking at the changing definitions of American freedom and the subsequent change to the roles of African-Americans, women, and immigrants in American society. This course also looks beyond America to study the reasons why World War 2 broke out and the impact of the Cold War on the globe. In class, we will negotiate peace treaties, use songs to understand the past, create propaganda, and write historical fiction. At the completion of the two years, you will be prepared for the IB History test at the Higher Level (HL).

## Social Science Electives

*Social Science Elective courses cannot substitute for any Social Science Required Courses*

### SENIOR SEMINAR

**(12) Full Year Class**

**Credit: 1.0 Social Science**

**Prerequisite: American Studies or IB History**

Senior Seminar looks at how the actions of ordinary individuals change society. By evaluating the impact of human rights, the media, and activism on current and historical events, students learn how to recognize their own agency and become empowered to change the world around them. While first semester will focus on developing skills and knowledge, second semester will ask students to identify issues in our own community and create public policy solutions to address them. This course is open to all seniors who wish to think critically about current topics that are of particular importance in today's world. This course requires collaboration with classmates as well an expectation that certain tasks are performed and completed outside of school hours.

### DIVERSITY/JUSTICE (Offered 2019-20, in rotation with Religion and Philosophy)

**(10-12) Semester Class**

**Credit: .5 Social Studies**

**Prerequisite: None**

This course is grounded in the idea that race, class, and gender are not biological categories, but rather they are social constructs. This course will examine the ways in which race, class, gender, language, culture, legal status, etc. define group identities. It will encompass reading and discussion of sociological and dramatic texts to examine the ways in which race, class, and gender are enacted in everyday life, as well as what actions can create change.

### INTRODUCTION TO LAW

**(9-12) Semester Class**

**Credit: .5 Elective**

**Prerequisite: None**

This course focuses on human rights and is designed to give students a basic knowledge of the law. Topics include an introduction into the constitutional foundations of the American legal system, a study of criminal law, and an understanding of individual rights and liberties. Activities are designed to provide students with the ability to analyze, evaluate, and in some situations, resolve legal disputes. Student involvement is emphasized through the use of problems, debates, case studies, role-plays, and mock trials. Students will have the opportunity to work with professionals in the legal field.

### INTRODUCTION TO PSYCHOLOGY

**(10 -12) Semester Class**

**Credit: .5 Elective**

**Prerequisite: None**

This course explores the characteristics and motives of human behavior in relation to basic principles of psychology. Areas of study include the understanding of self, group behavior, social behavior, abnormal behavior, interpersonal relations, and violent behavior. A variety of psychologists and psychological theories are focused upon in relation to each area of study. Discussion of reading and involvement in various behavior experiments and projects are integral to the course. Recommended for students considering IB Psychology.

## **U.S. ISSUES**

**(10-12) Semester Class**

**Credit: .5 Elective**

**Prerequisite: None**

*What political issues dominate the news cycle? What shapes our understanding of these issues?* This course will examine the underlying factors that may impact one's "political compass." How do we bring together opposing viewpoints in our fractured media landscape? We will highlight and explore multiple perspectives regarding current events and examine institutions such as the electoral college, news media/journalism, and contemporary social movements. This course *does not* serve to name winners or losers in a competition of political opinions or systems.

## **IB ECONOMICS SL\***

**(11-12) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: teacher's signature**

This course is an introduction to micro and macro-economic principles, international trade, and development economics with the purpose of achieving proficiency **to receive college credit through success on the International Baccalaureate standard level exam**. The course analyzes contemporary economic issues such as the role of technology, money and banking, globalization, economics, ecology, and the role of government in the economy. The curriculum, including the topical outline, readings and activities, has been audited by the College Board and found to provide a college-level experience.

## **IB PSYCHOLOGY SL\***

**(11-12) Full Year Class**

**Credit: 1.0 Elective**

**Strongly recommended: Biology and/or Anatomy & Physiology**

The IB Psychology course is designed to encourage and develop critical study of the human experience and behavior. The course aims to develop an understanding of the biological, social, and cultural influences on human behavior, develop an understanding of the different theoretical processes to interpreting behavior, and understand the need for ethical practices and responsibilities when carrying out psychological inquiry. Students will be exposed to the facts, theories and principles in various subfields of psychology. Students will have the opportunity to demonstrate the application of their skills and knowledge by replicating a simple experiment.

## **IB SOCIAL ANTHROPOLOGY SL\***

**(11-12) Full Year Class**

**Credit: 1.0 Elective**

**Prerequisite: teacher's signature**

Social Anthropology is the study of humankind, of ancient and modern people and their ways of living. The class will provide students with a global and comparative perspective for understanding many aspects of societies that exist around the world. Students will study culture, socially learned traditions of the past and the present age, worldviews, religion, social organization, kinship, gender roles, the effects of globalization, and much more. Students will have an opportunity to learn about a specific culture within their community and utilize skills they've acquired to investigate and report their findings. If you're interested in learning about the common ideas and traits that bind all human beings, this class is for you!

## **MODEL UNITED NATIONS (meets after school)**

**(10-12) Semester Class**

**Credit: .5 Elective**

**Prerequisite: None**

M.U.N. students represent a nation in a Model U.N. simulation. Students study their country and research world issues including current areas of conflict, human rights, international economics, disarmament, and the environment. This course is designed for students who enjoy role-playing and debate. The course meets once a week for one hour after school and students travel to Eugene for three days in April.

# World Languages

Sunset High School offers a wide variety of world languages including Spanish, French, and Japanese. These courses qualify as college preparatory elective courses by the Oregon Public University System. Students need to begin language study as early as possible. Second language skills require daily practice and years of study in order to achieve proficient levels. Students who pursue upper-level courses can also take advantage of preparation for study abroad programs, career-related volunteer opportunities, International Baccalaureate Diplomas, or the Advanced Placement Exam.

### **Level I Languages**

Students who have successfully completed language in middle school should use the following criteria: For A or B students, enroll in Level II; for C students, obtain a teacher recommendation to enroll in Level II; and for anything below a C grade, students need to repeat Level I or have a teacher recommendation.

### **Level II Languages**

For greatest success in Level II language courses, a C grade or higher in Level I is recommended. However, students earning a D in a Level I course will pass the course and earn high school credit, and will be able to continue to Level II.

**Please note:** *colleges require students earn a C or above in two years of the same world language.*

**Honors Option:** World Language class levels I-III and Spanish for Spanish Speakers provide opportunities to gain an honors designation through student-driven, and teacher-facilitated activities. Participation in these activities is voluntary. The activities within these courses are intended to be research-based and prepared by the student as an extension of their learning in the course. Assessment will occur once each semester through a presentation format, and will be scored on a common honors rubric.

Any student with a high level of oral and written proficiency in Spanish should consider the class, "Spanish for Spanish Speakers". Look under World Languages for class description.

## **SPANISH FOR SPANISH SPEAKERS (Spanish Lit/Comp I)**

**(9-12) Full Year Class**

**Credit: 1.0 World Language**

**Prerequisites: Verbal fluency and basic literacy skills in Spanish, entry exam or teacher's signature**

This course is designed for students who have high oral, listening, reading, and written proficiency levels in Spanish, ultimately preparing students to access the full benefits of bilingualism/multilingualism. This course reinforces and expands students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange information, concepts, and ideas on a variety of topics. This course explores Hispanic culture around the world, while appreciating the rich diversity of Spanish-speaking countries and cultures through film, literature and music. Course is taught exclusively in the target language.



## **FRENCH I**

### **SPANISH I**

**(9-12) Full Year Class**

**Credit: 1.0 World Language/Fine Arts**

**Prerequisite: None**

In the first year of language study, emphasis is placed on the use of the target language in authentic contexts and situations. Students will develop proficiency in speaking, listening, reading and writing and learn to understand and appreciate the diversity of target language cultures.

**Listening:** Students are in daily contact with the spoken language through classroom use by the teacher and exposure to audio and video recordings of native speakers from many different countries, thereby giving students a broad auditory experience with different native accents. Students are expected to comprehend conversations, short narratives, and lyrics to music, radio broadcasts and many other authentic forms of dialogue. They will also learn to comprehend isolated words, everyday expressions, and details in short sentences and questions. At the end of this course it is expected that the students understand simple short conversations.

**Speaking:** Students are expected to speak in a variety of authentic situations. Use of role-play, interview, presentation and impromptu speaking provide students with opportunities to communicate effectively with peers and the classroom teacher. They will learn to express needs, likes, dislikes and preferences. Students will ask and answer simple questions on everyday topics such as the weather, health, family, school and favorite activities. They will also learn to initiate conversations with culturally appropriate greetings and courtesies. At the end of this course it is expected that the students can present a short speech and describe their daily activities.

**Reading:** Students will comprehend and gain information from a variety of authentic reading materials such as travel brochures, postcards, timetables, recipes, notes, and computer/Internet texts. Written language comprehension will be expanded as students encounter increasing levels of language complexity. It is expected at the end of this course that students can formulate and respond to a variety of questions.

**Writing:** Students will learn to communicate information and express ideas in written form for a variety of audiences and purposes. They will write short phrases, lists, and simple sentences and paragraphs. It is expected at the end of this course that students can communicate in writing in formats such as an informal letter, a descriptive journal, or a short speech script.

**Culture:** Students are exposed to a variety of cultures that use the target language. Customs, foods, music, current events and geography are all explored in the second language classroom. Students will celebrate native holidays, study regional cuisines, listen to pop and traditional music, read current news articles and meet native guest speakers in order to broaden their understanding and appreciation of other cultures as well as their own. Students will analyze common miscommunication as it occurs between cultures in contact with each other. Students will understand that respect and appreciation of target cultures are required for effective communication.

## **JAPANESE I**

**(9-12) Full Year Class**

**Credit: 1.0 World Language/Fine Arts**

**Prerequisite: None**

Students will acquire a simple, workable vocabulary. Standard pronunciation, aural comprehension and the ability to read and write will be emphasized. Writing will be primarily on the two phonetic systems, hiragana and katakana, and some of the simpler forms of kanji characters derived from Chinese. Students will participate in activities and discussions that will acquaint them with traditional and modern Japanese culture.

[Outside website link as a preview \(need Flash Player installed to view link\)](#)

## **FRENCH II**

## **SPANISH II**

## **JAPANESE II**

**(9-12) Full Year Class**

**Credit: 1.0 World Language/Fine Arts**

**Prerequisites: French I, Spanish I or Japanese I**

**Middle school students who received a C need a Teacher's Recommendation and possible entrance exam.**

Second year classes expand topics, culture, geography, vocabulary, and grammar that students began in first year. All five-skill areas will be strengthened through practice with authentic texts, culture, native speakers, and class civilities. Students will begin to express themselves in other time frames such as past and future tenses. Self-expression will focus on high-frequency topics and ideas.

## **FRENCH III**

## **SPANISH III**

## **JAPANESE III**

**(9-12) Full Year Class**

**Credit: 1.0 World Language/Fine Arts**

**Prerequisites: C or higher in second year course and teacher's signature**

Third year courses are conducted primarily in the target language. Students will strengthen their knowledge in all five-language skills: speaking, listening, reading, writing, and cultural awareness. They will write short compositions and give oral presentations in the target language. Students are expected to narrate and describe in present, past, and future tenses and are asked to express opinions. Authentic texts such as newspaper and magazine articles, short stories, books, Internet access, and songs will expose students to contemporary cultures as well as provide a historical perspective.

## **IB SL I World Language (Spanish, Japanese, and French)\***

**Full Year Class**

**Credit: 1.0 World Language/Fine Arts**

**Prerequisites: C or higher in level III or Spanish for Spanish Speakers and teacher's signature**

This course is the first year of the IB Diploma Program, designed for students who have demonstrated a sincere interest in studying World Language. The use of the target language exclusively in the classroom is expected, and writing assignments become more frequent and are expected to be more refined in style.

The curriculum and class activities include:

- Interactive, productive and receptive skills are developed through contextualized study of language, texts and themes
- Intercultural understanding and plurilingualism are key goals of the course
- Students are exposed to a variety of authentic texts and they produce work in a variety of communicative contexts

\* Successful completion of this course is required in order to enroll in the IB SL2 course. IB SL2 is required for students who want to test for IB Certification and/or be eligible for the full IB Diploma.

## **IB SL II World Language (Spanish, Japanese, and French)\***

**Full Year Class**

**Credit: 1.0 World Language/Fine Arts**

**Prerequisites: C or higher in level IB SL1 and teacher's signature**

This course is a completion level of the IB Diploma Program, designed for students who have demonstrated a sincere interest in studying World Language. The use of the target language exclusively in the classroom is expected, and writing assignments become more frequent and are expected to be more refined in style.

This course prepares students for the IB internal and external assessments.

The curriculum and class activities include:

- Interactive, productive and receptive skills are developed through contextualized study of language, texts and themes
- Intercultural understanding and plurilingualism are key goals of the course
- Students are exposed to a variety of authentic material and they produce work in a variety of communicative contexts
- External assessment at SL2 consists of exercises to demonstrate understanding of authentic material based on the IB Themes (listening and reading), and a writing exercise based on the IB Recommended Topics
- Internal assessment at SL2 tests students' abilities in listening and speaking in a genuine conversation format

## **IB HL World Language (French)\***

**Full Year Class**

**Credit: 1.0 World Language/Fine Arts**

**Prerequisites: enrollment based on C or higher in level SL1 or SL2, instructor approval and placement exam.**

This course is designed for students who have demonstrated a sincere interest in studying World Language. The use of the target language exclusively in the classroom is expected, and writing assignments become more frequent and are expected to be more refined in style.

This course prepares students for the IB internal and external assessments, including a literary component.

The curriculum and class activities include:

- Interactive, productive and receptive skills are developed through contextualized study of language, texts and themes
- Intercultural understanding and plurilingualism are key goals of the course
- Students are exposed to a variety of authentic texts and they produce work in a variety of communicative contexts
- External assessment at HL consists of exercises to demonstrate understanding of authentic material based on the IB Themes (listening and reading), and a writing exercise based on the IB Recommended Topics
- Internal assessment at HL tests students' abilities in listening and speaking in a genuine conversation format based on a literary extract

## **WORLD LANGUAGE T.A. / TUTOR**

**(10-12) Semester Class**

**Credit: .5 Elective**

**Prerequisite: teacher's signature**

**Grading: Pass/Fail**

# Off Campus Options

**Partial Day Option Programs:** The BSD offers three partial day option programs for high school students. The programs are: Automotive Technology, located on the campus of Aloha HS, Health Careers, located at Beaverton HS, Applied Chemistry and Sustainable Foods I, and Field Biology/Sustainable Foods II, located at Terra Nova Organic Farm. Students register for these classes as part of their regular high school forecasting process. The applications for Automotive Technology, Health Careers, and Field Biology/Sustainable Foods are available in the counseling office and on the **district website**.

## *TERRA NOVA –Community Farm site*

### **TERRA NOVA APPLIED CHEMISTRY & SUSTAINABLE FOODS**

**(9-12) Full Year Class**

**Credits: 1.0 Science & 1.0 Applied Arts**

**Prerequisite: Applies only to current 8th graders -Must meet STEM Chemistry prerequisites**

This is a project-based course and is taught at the Terra Nova School which includes a 4-acre farm, woodshop and industrial kitchen. Transportation to Terra Nova is provided from your home school. This is a rigorous course where students will learn Chemistry and sustainability through experimentation and engineering on our farm, and in our kitchen. Course content will include all of the Beaverton School District Chemistry standards including: intermolecular forces, structure and properties of water, kinetic molecular theory, equilibrium and climate change. Technological, historical, political and environmental aspects of chemistry and sustainability will be addressed. Students signing up for this course should self-motivated, prepared to work outside for portions of the course, care for their own garden bed, and learn chemistry concepts in a hands-on learning environment.

Please check out this video and our Instagram page for more information.

[Link to video,](#)

Instagram: [@terranozasustainability](#)

- Applied Chemistry and Sustainable Foods must be taken together
- Transportation is provided from your home high school.
- Honors option is available.

### **TERRA NOVA FIELD BIOLOGY & SUSTAINABLE PRACTICES**

**(10-12) Full Year Class**

**Credits: 1.0 Science, 1.0 Applied Arts**

**Prerequisite: Applies only to current 9th graders -Passing STEM Chemistry**

This project-based course is taught at the Terra Nova School which includes a 4-acre working farm, woodshop and industrial kitchen. Transportation is provided from your home high school. This is a rigorous course that covers the foundational principles of modern life through the lens of sustainable agriculture at the Terra Nova Farm. Students will work outside and in the classroom learning field biology techniques. Course content will include all the Beaverton School District Biology standards including: the studies of biochemistry, cellular processes, genetics, evolution, sustainability, and ecology. Technological, historical, political and environmental aspects of biology and sustainability will be addressed. Critical thinking, research, communication and analysis are emphasized. Students signing up for this course should self-motivated, prepared to work outside for portions of the course and learn course concepts in a hands-on learning environment.

Please check this video or our Instagram page from more information.

[Link to video,](#)

Instagram: [@terranozasustainability](#)

- You must sign up for Sustainable Practices along with this course
- Transportation is provided from your home high school to Terra Nova

## **AUTOMOTIVE TECHNOLOGY I – Aloha High School 18550 SW Kinnaman Rd. Beaverton, 97078**

**(11-12) Full Year Class**

**Credit: 3.0 Elective**

**Prerequisites: Application and pre-test**

**Find the application on the district website or in the counseling office.**

**College Credit(s): 8 credits from PCC**

**Lab Fee: \$20 per year plus \$20 for shop shirt**

Automotive Technology I is designed for students who intend to pursue training after high school in automotive technology or related fields. The program is based on National Automotive Technicians Education Foundation (NATEF) industry standards. The curriculum includes brakes, electrical, steering, suspension and engine performance. Students are invited to participate in the following competitions: Ford AAA and Skills USA with opportunities to win scholarships and tools. The Auto Tech program models the demands of the industry with 50% hands-on experience and 50% academic content. Students have opportunities to participate in site visits and industry activities including job shadows and summer internships. Classes are held at the Aloha High School Auto Lab. Transportation is provided. SEE NOTE.

**NOTE:** Automotive Technology applicants must attend a mandatory meetings/testing sessions for their application to be considered for the lottery: The meeting will be at Aloha High School Auto classroom, see your counselor for times in May.

## **AUTOMOTIVE TECHNOLOGY II – Aloha High School 18550 SW Kinnaman Rd. Beaverton, 97078**

**(12) Full Year Class**

**Credit: 3.0 Elective**

**Prerequisites: C (or higher) in Auto Tech I and application**

**Find the application on the district website or in the counseling office.**

**College Credits: 8 credits from PCC**

**Lab Fee: \$20 per year plus \$20 for shop shirt**

Students receive advanced theory and hands-on experience in the following NATEF areas of study: electrical, brakes, suspension, steering and engine performance. Students develop leadership skills as well as mechanical skills needed in the automotive industry. Students complete task-based activities demonstrating competency in common diagnostic formats. Course activities include visits to industry sites and college programs, job shadows and summer internships. These activities allow students to become familiar with industry standards that will prepare them for postsecondary training and gainful employment. Students have the opportunity to compete in the Ford AAA and Skills USA. Classes are held at the Aloha High School Auto Lab. Transportation is provided.

## Health Careers – Beaverton and Westview High School

**To Apply:** Incoming juniors and seniors who wish to apply to the Health Careers Program should complete the Online District Options Partial Day Programs Application available at: <https://www.beaverton.k12.or.us/depts/tchlrn/opts/Pages/Applications.aspx>. Print your confirmation and attach it to your school's forecasting forms. In addition, sign up for Health Careers I and Human Anatomy and Physiology on your high school forecast form. Advanced Health Careers is for incoming seniors who have successfully completed Health Careers I and Human Anatomy and Physiology. Sign up for Advanced Health Careers on your high school forecast form. **No application is needed if you have successfully completed Health Careers 1 and Human Anatomy and Physiology as a junior.**

### **HEALTH CAREERS I (Dual Credit) - Course Code: 3211**

**(11-12) Semester Class**

**Credit: 1.0 Elective**

**PCC Credit: MP 109 Medical Terminology (2 PCC credits) and Health 252 First Aid Basics and Beyond (4 PCC credits transferable to other colleges) and CG130H Introductions to Today's Careers (2 PCC credits).**

**Prerequisite: Enrollment in Human Anatomy & Physiology; application required. On-Line Application and Attendance of Mandatory Meeting also required. Find the application on the district website or in the counseling office.**

**Fees: \$35 per year for T-shirt, First Aide and Healthcare Professional CPR certifications, and professional conference costs.**

This full year introductory course is for the student who has an interest in exploring or pursuing a career in health services. Students will learn core knowledge and skills common to major health careers. Areas of emphasis are medical terminology, medical ethics, safety in health care, career exploration, self-assessment portfolios, and some basic health care skills. Students will be involved in community health projects such as elementary school health screenings, blood drives and other related community experience. These students have the opportunity to be involved with Health Occupations Students of America (HOSA), a pre-professional organization of potential health care workers. The Red Cross course, Responding to Emergencies is part of the curriculum in which students will explore and demonstrate basic first aid, first aid in remote settings, healthcare professional CPR for adult, child and infant, and educational training in Automated External Defibrillation (AED).

### **ADVANCED HEALTH CAREERS (Dual Credit)**

**(12) Full Year Class, held at Beaverton High School campus only.**

**Credit: 2.0 elective**

**PCC: MP 111 Medical Terminology (4 PCC credits) and CG130H Introduction to Today's Careers (2 PCC Credits).**

**Prerequisite: C or Better in Health Careers I and Human Anatomy/Physiology**

**Find the application on the district website or in the counseling office.**

**Fees: Program/Uniform costs are approximately \$100 per year (Need-based scholarships available)**

This course is designed for senior students who have successfully completed Health Careers and Human Anatomy. First semester curriculum includes mastery of basic patient care skills, introductory pathophysiology of common diseases, professional skills and medical terminology. The curriculum also includes guest lecturers from diverse healthcare fields who explain their career pathways, share their expertise and provide updates on current practices. Second semester, students will be placed in the community to explore career options with healthcare professionals. Among the clinical sites offered to students are hospital, medical, dental, veterinary medicine, physical and occupational therapy, speech and rehabilitation, fitness, sports medicine, and medical social service. Students are encouraged to continue their membership in Health Occupations Students of America (HOSA). Advanced Health Careers provides students with a realistic view of career options. Clinical experiences allow students to collect valuable information facilitating educated decisions regarding their future in college or the workplace.

## **NURSE ASSISTANT 1**

**(12) Full Year Class, held at Beaverton High School campus only.**

**Credit: 2.0 elective**

**Prerequisite: Health Careers I**

**CCC Credit Options: NUR 100 Nurse Assisting (7 CCC Credits)**

**Fees: Program/Uniform costs are approximately \$75 per year as well as \$106 paid to OSBN at the conclusion of the course for state certification board exam. (Need-based scholarships available)**

This full year course is designed to prepare students to perform routine nursing assistant tasks to clients in the following venues: long-term and skilled nursing care facilities, home care and community health agencies. There will be a minimum of 80 hours of classroom/lab instruction as mandated by the Oregon State Board of Nursing and 82 hours of clinical training that prepare NA students perform routine assistant tasks to clients in hospitals, long-term, community and skilled care facilities. Students will sit for the state licensing examination at the end of this course.

## **PCC Options**

These course options are available through PCC application only.

For more information on the Career Encounter courses detailed below, please click [HERE](#)

### **PCC CAREER ENCOUNTERS in PROFESSIONAL ARTS**

**(11-12) Semester Class (Follows PCC's Calendar)**

**Credit: .5 Applied Arts Credit and 2 College Credits**

**Prerequisite: Only available 7th or 8th period to Juniors and Seniors**

Explores career opportunities in professional arts related career technical fields through an experiential process. Showcases three to five programs which may include graphic storytelling, foundry (metal casting), music education, painting and digital music/production. Includes lectures covering how to research information about targeted careers and the realities of the world of work. The class provides an immersion into professional arts related career technical program classrooms, shops, and labs to learn basic skills and to participate in hands-on activities of these industries. Course is team taught by content experts in all programs represented.

Note this class is off campus at PCC Rock Creek and follows the PCC calendar for the given term. The class does not meet on Friday's. Students will have Early Release on the days that the Career Encounters class does not meet. All tuition, fees, and equipment are paid for by the Beaverton School District. Students earn both high school and college credit. Transportation from the comprehensive high schools and Merlo Station is provided.

### **PCC CAREER ENCOUNTERS in TRANSPORTATION TRADES**

**(11-12) Semester Class (Follows PCC's Calendar)**

**Credit: .5 Applied Arts Credit and 2 College Credits**

**Prerequisite: Only available 7th or 8th period to Juniors and Seniors**

Explores career opportunities in transportation related career technical fields through an experiential process. Showcases three to five programs which may include auto collision repair and body paint, aviation science, aviation maintenance, diesel mechanics, and welding. Includes lectures covering how to research information about targeted careers and the realities of the world of work. The class provides an immersion into transportation related career technical program classrooms, shops, and labs to learn basic skills and to participate in hands-on activities of these industries. Course is team taught by content experts in all programs represented.

Note this class is off campus at PCC Rock Creek and follows the PCC calendar for the given term. The class does not meet on Friday's. Students will have Early Release on the days that the Career Encounters class does not meet. All tuition, fees, and equipment are paid for by the Beaverton School District. Students earn both high school and college credit. Transportation from the comprehensive high schools and Merlo Station is provided.

## **PCC CAREER ENCOUNTERS in CONSTRUCTION TRADES**

**(11-12) Semester Class (Follows PCC's Calendar)**

**Credit: .5 Applied Arts Credit and 2 College Credits**

**Prerequisite: Only available 7th or 8th period to Juniors and Seniors**

Explores career opportunities in construction related career technical fields through an experiential process. Showcases three to five programs which may include space planning and design, computer aided design, essential construction tools, design building, and remodeling. Includes lectures covering how to research information about targeted careers and the realities of the world of work. The class provides an immersion into construction related career technical program classrooms, shops, and labs to learn basic skills and to participate in hands-on activities of these industries. Course is team taught by content experts in all programs represented.

Note this class is off campus at PCC Rock Creek and follows the PCC calendar for the given term. The class does not meet on Friday's. Students will have Early Release on the days that the Career Encounters class does not meet. All tuition, fees, and equipment are paid for by the Beaverton School District. Students earn both high school and college credit. Transportation from the comprehensive high schools and Merlo Station is provided.

## **EARLY COLLEGE HIGH SCHOOL (ECHS)**

**Early College High School (ECHS)** – Portland Community College (PCC) – 17705 NW Springville Road, Portland, OR 97229

ECHS is a unique opportunity for students to blend high school and college in a personalized and rigorous education program at Rock Creek or Sylvania campuses. Students must be willing to make a two-year commitment to the program and attend PCC full-time. Students manage their own schedules and take regular college courses with other PCC students. ECHS staff, located on the Rock Creek and Sylvania campus, provide a system of support and career guidance. Every student takes orientation classes and career development coursework. Eligible students are in 11th grade, 12th grade or 16 years of age. They are approved to attend by their home high school and accepted to college through ECHS and PCC's application process. It is possible for students to earn a high school diploma, an Associate's Degree or up to two years of college credit. Applications are taken at the beginning of most college terms. Application timelines and additional information is available on the ECHS website at: [www.beaverton.k12.or.us/echs](http://www.beaverton.k12.or.us/echs) or you can contact the Early College office at 971-722- 7473 for more information.



# SHS Course Code Index

## SHS Course Number Index

| Course                                    | Course Title                  | Cr  | Course                              | Course Title                | Cr  | Course                     | Course Title             | Cr  | Course             | Course Title                 | Cr  |
|---|-------------------------------|-----|-------------------------------------|-----------------------------|-----|----------------------------|--------------------------|-----|--------------------|------------------------------|-----|
| <b>Business</b>                           |                               |     | A900                                | Applied Arts Ind Study      | 0.5 | <b>Fine Arts - Vocal</b>   |                          |     | <b>Mathematics</b> |                              |     |
| A401                                      | Computer Literacy             | 0.5 | <b>English Language Development</b> |                             |     | F622                       | Men's Choir              | 1.0 | M381               | AGS I                        | 1.0 |
| A411                                      | Computer App. 1               | 0.5 | N210                                | Intermediate Eng. Lang. Dev | 1.0 | F630                       | Concert Choir            | 1.0 | M382               | AGS II                       | 1.0 |
| A412                                      | Computer App. 2               | 0.5 | N215                                | Early Advanced Eng. Lang    | 1.0 | F650                       | Music Theory/Comp.       | 1.0 | M383               | AGS III                      | 1.0 |
| B405                                      | Intro. to Business            | 0.5 | N220                                | Advanced Eng. Lang. Dev.    | 1.0 | F670                       | Madrigal Singers         | 1.0 | M384               | Accelerated AGS III          | 1.0 |
| B415                                      | Business Law                  | 0.5 | N330                                | English Literacy I          | .5  | F686                       | IB Music SL              | 1.0 | M387               | Advanced AGS Topics          | 1.0 |
| B553                                      | IB Bus. and Mngt. HL I        | 1.0 | <b>Fine Arts</b>                    |                             |     | <b>Fine Arts - Theatre</b> |                          |     | M600               | Pre-Calculus                 | 1.0 |
| B554                                      | IB Bus. and Mngt. HL II       | 1.0 | A206                                | Yearbook                    | 1.0 | F501                       | Theater Design 1         | 0.5 | M620               | IB Math Studies SL           | 1.0 |
| B601                                      | Marketing I                   | 1.0 | A207                                | Newspaper                   | 1.0 | F502                       | Theater Design 2         | 0.5 | M503               | IB Math Analys. & App. SL I  | 1.0 |
| B602                                      | Marketing II                  | 1.0 | F211                                | Art1                        | 0.5 | F521                       | Theater 1                | 0.5 | M726               | Calculus 1 & 2               | 1.0 |
| B603                                      | Marketing III                 | 1.0 | F212                                | Art2                        | 0.5 | F522                       | Theater 2                | 0.5 | M728/M515          | Calc 3 /Linear Alg.          | 1.0 |
| B616                                      | Digital Marketing             | 1.0 | F261                                | Graphic Design 1            | 0.5 | F550                       | Theater Ensemble         | 1.0 | M730               | IB Math SL II                | 1.0 |
| B701                                      | Accounting I                  | 1.0 | F262                                | Graphic Design 2            | 0.5 | F566                       | IB Theater SL            | 1.0 | M760               | IB Math HL II                | 1.0 |
| B725                                      | Personal Finance              | 0.5 | F266                                | Graphic Design 3            | 0.5 | F568                       | IB Theater HL I          | 1.0 | M7731/M7742        | Statistics DC (Math 243/244) | 1.0 |
| <b>Computer Science &amp; Engineering</b> |                               |     | F267                                | Graphic Design 4            | 0.5 | F569                       | IB Theater HL II         | 1.0 | M906               | Math Lab                     | 0.5 |
| A400                                      | Explore Comp. Sci. & Engin.   | 0.5 | F331                                | Ceramics/Sculpture 1        | 0.5 | <b>Health Education</b>    |                          |     |                    |                              |     |
| A485                                      | Computer Science Design       | 0.5 | F332                                | Ceramics/Sculpture 2        | 0.5 | C426                       | IB Sports Ex. & Hlth Sci | 1.0 |                    |                              |     |
| A423                                      | Computer Hardware 1           | 0.5 | F360                                | 2-D Studio Art              | 0.5 | H201                       | Health 1                 | 0.5 |                    |                              |     |
| A424                                      | Computer Hardware 2           | 0.5 | F370                                | IB ArtSL                    | 1.0 | H202                       | Health 2                 | 0.5 |                    |                              |     |
| A431                                      | Web Design 1                  | 0.5 | F375                                | IB ArtHL I                  | 1.0 | H210                       | Health Topics            | 0.5 |                    |                              |     |
| A432                                      | Web Design 2                  | 0.5 | F380                                | IB ArtHL II                 | 1.0 | <b>Language Arts</b>       |                          |     |                    |                              |     |
| A445                                      | Comp. Game Design 1           | 0.5 | F410                                | Photography 1               | 0.5 | L225                       | Reading / Writing Lab    | 0.5 |                    |                              |     |
| A446                                      | Comp. Game Design 2           | 0.5 | F420                                | Photography 2               | 0.5 | L400                       | Writing Lab              | 0.5 |                    |                              |     |
| A454                                      | CS 162/163 C++ & Data Struct. | 1.0 | F496                                | IB Film HL I                | 1.0 | L415                       | Writing from Experience  | 0.5 |                    |                              |     |
| A464                                      | CS 161 Java Programming       | 1.0 | F497                                | IB Film HL II               | 1.0 | L401                       | Creative Writing         | 0.5 |                    |                              |     |
| A521                                      | CAD 1 (3D CAD)                | 0.5 | <b>Fine Arts - Instrumental</b>     |                             |     | L465                       | Writing 121              | 1.0 |                    |                              |     |
| A522                                      | CAD 2                         | 0.5 | F705                                | Concert Band                | 1.0 | L605                       | 9th Lit/Comp             | 1.0 |                    |                              |     |
| A566                                      | Electrical Engineering I      | 0.5 | F710                                | Symphonic Band              | 1.0 | L610                       | 10th Lit/Comp            | 1.0 |                    |                              |     |
| A570                                      | Electrical Engineering II     | 0.5 | F715                                | Wind Ensemble               | 1.0 | L615                       | 11th Lit/Comp            | 1.0 |                    |                              |     |
| A568                                      | Mechatronics                  | 0.5 | F720                                | Jazz Band                   | 1.0 | L617                       | 12th Lit/Comp            | 1.0 |                    |                              |     |
| A569                                      | Engineering Capstone          | 0.5 | F770                                | Funk Band                   | 0.5 | L813                       | IB Lang. and Lit. SL II  | 1.0 |                    |                              |     |
| A562                                      | Robotics 1                    | 0.5 | F612                                | Mixed Chorus                | 1.0 | L814                       | IB Lang. and Lit. HL I   | 1.0 |                    |                              |     |
| A563                                      | Robotics 2                    | 0.5 | F620                                | Women's Choir               | 1.0 | L815                       | IB Lang. and Lit. HL II  | 1.0 |                    |                              |     |
| N205                                      | Beginning Eng. Lang. Dev      | 1.0 |                                     |                             |     |                            |                          |     |                    |                              |     |
| N208                                      | Early Int. Eng. Lang. Dev.    | 1.0 |                                     |                             |     |                            |                          |     |                    |                              |     |

\* = Please see course description for specific credits provided.

# SHS Course Code Index

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| Course                              | Course Title                        | Cr   | Course                 | Course Title               | Cr  | Course                   | Course Title             | Cr  | Course                    | Course Title                 | Cr   |
|-------------------------------------|-------------------------------------|------|------------------------|----------------------------|-----|--------------------------|--------------------------|-----|---------------------------|------------------------------|------|
| <b>Other Elective Opportunities</b> |                                     |      | <b>Science (con't)</b> |                            |     | <b>World Language</b>    |                          |     | <b>Off Campus Options</b> |                              |      |
| 525                                 | Late Arrival                        | 0    | C480                   | IB Biology HL I            | 1.0 | W301                     | French I                 | 1.0 | C505                      | Applied Chem/Sust Foods      | 2.0  |
| 550                                 | Early Release                       | 0    | C485                   | IB Biology HL II           | 1.0 | W302                     | French II                | 1.0 | C412                      | Field Bio/Sustain Practices  | 2.0  |
| 576                                 | Religious Release                   | 0    | C511                   | Chemistry I                | 1.0 | W303                     | French III               | 1.0 | A334                      | Sus. Practices/Applied Chem. | 2.0  |
| 680                                 | Supervised Study                    | 0    | C512                   | STEM Chemistry             | 1.0 | W308                     | IB French SL I           | 1.0 | A337                      | Sus. Practices/Field Biology | 2.0  |
| E301                                | Elementary Tutor Program            | 0.5  | C575                   | IB Chemistry SL I          | 1.0 | W309                     | IB French SL II          | 1.0 | A350                      | Auto Tech I                  | 3.0  |
| E700                                | CCC Productions                     | .5   | C580                   | IB Chemistry HL I          | 1.0 | W501                     | Japanese I               | 1.0 | A352                      | Auto Tech II                 | 3.0  |
| E400                                | Intro. to Leadership                | 0.5  | C585                   | IB Chemistry HL II         | 1.0 | W502                     | Japanese II              | 1.0 | 3211                      | Health Careers I             | 1.0  |
| E401                                | Student Leadership                  | 1.0  | C609                   | Physics in Astronomy       | 1.0 | W503                     | Japanese III             | 1.0 | 3231                      | Adv. Health Careers          | 2.0  |
| E410                                | Student Government                  | 1.0  | C611                   | Physics I                  | 1.0 | W508                     | IB Japanese SL I         | 1.0 | 3241                      | Nurse Assist I               | 2.0* |
| E825                                | IB TOK I                            | .5   | C612                   | STEM Physics               | 1.0 | W509                     | IB Japanese SL II        | 1.0 | 3311                      | PCC Career Encounters        | 2.0* |
| E826                                | IB TOK II                           | 0.5  | C675                   | IB Physics SL              | 1.0 | <b>Special Education</b> |                          |     |                           |                              |      |
| E828                                | IB TOK + CORE I                     | 1.0  | C680                   | IB Physics HL I            | 1.0 | R205                     | Communication I          | 1.0 |                           |                              |      |
| E829                                | IB TOK + CORE II                    | 1.0  | C685                   | IB Physics HL II           | 1.0 | R210                     | Communication II         | 1.0 |                           |                              |      |
| E312                                | AVID Peer Tutor                     | 1.0  | C900                   | Science Ind. Study         | .5  | R246                     | Literature Foundations   | 1.0 |                           |                              |      |
| E909                                | AVID Workshop 9                     | 1.0  | <b>Social Sciences</b> |                            |     | R301                     | Math Skills I-IV         | 1.0 |                           |                              |      |
| E910                                | AVID Workshop 10                    | 1.0  | S306                   | World History 9            | 1.0 | R307                     | Math Fundamentals        | 0.5 |                           |                              |      |
| E911                                | AVID Workshop 11                    | 1.0  | S311                   | World History 10           | 1.0 | R351                     | Science Foundations      | 0.5 |                           |                              |      |
| E912                                | AVID Workshop 12                    | 1.0  | S445                   | IB History HL I            | 1.0 | R405                     | Learning Strategies I    | 1.0 |                           |                              |      |
| <b>Physical Education</b>           |                                     |      | S450                   | IB History SL              | 1.0 | R410                     | Learning Strategies II   | 1.0 |                           |                              |      |
| E710                                | Adaptive PE Assistant               | 0.5  | S475                   | IB History HL II           | 1.0 | R411                     | Learning Strategies III  | 1.0 |                           |                              |      |
| P410                                | Strength Train & Cond.              | 0.5  | S520                   | Introduction to Law        | 0.5 | R412                     | Learning Strategies IV   | 1.0 |                           |                              |      |
| P422                                | Total Fitness Team Activities       | 0.5  | S580                   | Model United Nations       | 1.0 | R515                     | Social Skills I-IV       | 1.0 |                           |                              |      |
| P423                                | Total Fitness Individual Activities | 0.5  | S625                   | IB Economics SL            | 1.0 | R415                     | Academic Seminar         | 1.0 |                           |                              |      |
| P424                                | Total Fitness Move. Activities      | 0.5  | S705                   | Intro. To Psychology       | 0.5 | R526                     | Personal Dev.            | 1.0 |                           |                              |      |
| P415                                | Yoga                                | 0.5  | S720                   | IB Psychology SL           | 1.0 | R550                     | History Basics I         | 0.5 |                           |                              |      |
| P425                                | Aerobics                            | 0.5  | S550                   | U.S. Issues                | 0.5 | R551                     | History Basics II        | 0.5 |                           |                              |      |
| P505                                | Team Sports                         | 0.5  | S735                   | IB Social Anthropology SL  | 1.0 | R560                     | Gov. Basics I            | 0.5 |                           |                              |      |
| P540                                | Basketball                          | 0.5  | S765                   | Diversity/Justice          | 0.5 | R561                     | Gov. Basics II           | 0.5 |                           |                              |      |
| P600                                | Dance                               | 0.5  | S891                   | Senior Seminar             | 1.0 | R650                     | Work Experience I (WEX)  | 1.0 |                           |                              |      |
| <b>Science</b>                      |                                     |      | <b>World Language</b>  |                            |     | R655                     | Work Experience II (WEX) | 1.0 |                           |                              |      |
| C505                                | Sus. Foods I/Applied Chem.          | 2.0* | W201                   | Spanish I                  | 1.0 | R726                     | Community Living         | 1.0 |                           |                              |      |
| C412                                | Sus. Foods II/Field Biology         | 2.0* | W202                   | Spanish II                 | 1.0 | R506                     | Life Skills I-IV         | 1.0 |                           |                              |      |
| A334                                | Sus. Practices/Applied Chem.        | 2.0* | W203                   | Spanish III                | 1.0 | P300                     | Adaptive PE              | 1.0 |                           |                              |      |
| A337                                | Sus. Practices/Field Biology        | 2.0* | W225                   | IB Spanish SL I            | 1.0 | R706                     | Literacy I, II, III, IV  | 1.0 |                           |                              |      |
| C411                                | Biology I                           | 1.0  | W226                   | IB Spanish SL II           | 1.0 |                          |                          |     |                           |                              |      |
| C425                                | Human Anatomy & Physiology          | 1.0  | W230                   | Spanish for Span. Speakers | 1.0 |                          |                          |     |                           |                              |      |
| C426                                | IB Sports Ex. & Hlth Sci. SL        | 1.0  | W301                   | French I                   | 1.0 |                          |                          |     |                           |                              |      |
| C455                                | Northwest Ecology                   | 1.0  | W302                   | French II                  | 1.0 |                          |                          |     |                           |                              |      |

\* = Please see course description for specific credits provided.