



2023-24

High School Course Catalog



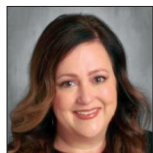
MESSAGE FROM THE DISTRICT

Dear HSD students and parents,

The faculty and staff of all HSD high schools are committed to providing our students with a rich, challenging and meaningful educational experience. Academic programs are designed to offer every student the opportunity to excel and to build a strong foundation for success after high school.

This course guide is an essential tool for making the important educational decisions that lie ahead for you. Please review the guide so that you are informed of graduation requirements, college admission standards, and course descriptions and requirements. Carefully consider the course selections and program decisions that you will be making. These decisions will shape the foundation you build for your future.

We encourage you to seek the advice of counselors and teachers as you work through your forecasting process. We look forward to partnering with you during your high school career.



Julie Kasper, Principal
Century High School



Greg Timmons, Principal
Liberty High School



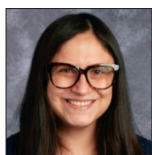
Claudia Ruf, Principal
Glencoe High School



Linda Harrington, Principal
Hillsboro Online Academy



David Vickery, Principal
Hillsboro High School



Amy Torres, Principal
Oak Street Campus



HSD is the first K-12 school district in Oregon to receive full systems (districtwide) accreditation by Cognia, a non-profit, non-partisan, international organization of education quality assurance professionals.

The Hillsboro School District recognizes the diversity and worth of all individuals and groups. It is the policy of the Hillsboro School District that there will be no discrimination or harassment of individuals or groups based on race, color, religion, gender, sexual orientation, gender identity, gender expression, national origin, marital status, age, veterans' status, genetic information or disability in any program, service, or activity for which the District is responsible. The District will comply with the requirements of state and federal law concerning non-discrimination and will strive by its action to enhance the dignity and worth of all persons.

Scan the QR code for facts and figures about HSD or visit our website.



www.hsd.k12.or.us

503.844.1500

Thank you to the Hillsboro Chamber for providing photographs of career-related learning experiences in this catalog.

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General Information

Take the time to carefully read the contents of this catalog. Be sure to review minimum requirements for all HSD diplomas, including the Chancellor's diploma, Career and College Pathway requirements, and other essential information that will help you plan and forecast your schedule for the 2023-24 school year.

Using This Catalog

This course catalog is designed to help you make wise selections from the courses offered at Hillsboro School District high schools. Take the time to review the catalog carefully. As your student prepares to forecast for 2023-24 coursework, it is important to review the minimum requirements for all Hillsboro diplomas on page 2. Please note the Essential Skill proficiency requirements in reading, writing and mathematics.

When forecasting for next year, students and parents should keep the following in mind:

- All courses and programs offered are contingent upon adequate funding.
- All courses offered are dependent on enrollment. If an insufficient number of students request a course, it will not be taught.

Courses are divided into two types: required and elective. **Required** courses are those a student must pass to meet the state of Oregon and Hillsboro School District requirements for graduation. **Elective** courses are designed to build skills in areas of study that meet the student’s need for vocational and college admission, as well as the pursuit of individual interests. Students are required to pass some elective courses as well.

Not all courses are offered at every high school.

Understanding a Course Description

Courses are organized by subject categories within this catalog. Each course description provides the following information:

Course title

U

Grade level of students that may enroll in this course (schools that offer this course)

ART 2

U

Course(s) required to be successfully completed before student is eligible to take this course ➡

Grades: 10-12 (CHS, GHS, HHS, LHS)

Prerequisite: Art 1

1.0 credit

Credit earned by passing this course

Course content and expectations

Building upon the skills established in Art 1, this second year foundation course concentrates on enhancing the student’s creative energy. The course will include development of visual awareness, problem-solving, creativity, and perspective. Students will be introduced to elements of design, life drawing, illustration, and color theory through the mediums of paint, pen and ink, and pastel.

Symbols that may appear are:

- ★ for required courses
- AP for Advanced Placement
- ib for International Baccalaureate

NOTES:

- 1) It is the expectation of the State of Oregon and our district that students engage in a full and complete educational experience. New legislation has required our district to ensure most students are taking a full day of classes each day. Students should work with their counselor for work experience, internships, and other off campus experiences as applicable.
- 2) Essential Skills mastery is typically obtained through satisfactory scores on the SBAC, ACT, PSAT, SAT or AP tests. Alternatively, students may produce work samples to show mastery. More information about Essential Skills may be found at: bit.ly/2DfVHdR
- * The assessment of Essential Skills Policy is suspended per SB744 through 2023-2024.
- 3) Students who receive two or more proficiency-based credits in world language with STAMP test scores meet this requirement.

HIGH SCHOOL DIPLOMA REQUIREMENTS Hillsboro School District diplomas satisfy the Oregon State Board of Education's rigorous statewide graduation requirements for students. The chart below displays the <i>MINIMUM</i> course and credit requirements needed to graduate with the student's desired diploma (<i>see note 1</i>)					
Subject Area/Required Elements	Chancellor's Diploma	Standard Diploma	Modified Diploma	Extended Diploma	
English (LA) (<i>page 58</i>)	4 credits	4 credits	3 credits	2 credits	
Mathematics (MA) (<i>page 61</i>)	4 credits (including Algebra 2 level or higher)	3 credits (Algebra 1 level or higher)	2 credits	2 credits	
Science (SC) (<i>page 68</i>)	3 credits	3 credits	2 credits	2 credits	
Social Science (SS) (<i>page 72</i>)	3 credits	3 credits	2 credits	3 credits (history, geography, economics or civics)	
Science/Social Science (additional)	1 credit				
Physical Education (PE) (<i>page 66</i>)	1 credit	1 credit	1 credit	1 credit	
Health (HE) (<i>page 56</i>)	1 credit	1 credit	1 credit	1 credit	
Career and College Development (<i>page 17</i>)	0.5 credit	0.5 credit	2.5 credits		
Senior Project (SP) (<i>page 14</i>)	0.5 credit	0.5 credit	0.5 credit		
Applied Arts, Career Technical Education, or World Language (AA/CTE/WL)	3 credits (including 2 credits of same world language)	3 credits	1 credit	1 credit (art or world language)	
Electives (EL)	5 credits	5 credits	9 credits		
Proficiency in Essential Skills: <i>reading, writing and mathematics (see note 2)</i>	required	required	required (modifications allowed)	exempt	
Chancellor's Diploma: Academic credits are met through courses in	English, mathematics, science, social science, applied arts, career technical education, and world language				
Number of required academic credits	18 credits				
Minimum number of required academic credits in advanced-level coursework (designated as Advanced Placement, International Baccalaureate, dual credit courses)	4 credits				
Minimum grade in every required academic course	C (<i>see note 3</i>)				
Required cumulative, unweighted GPA in academic courses	3.0 GPA unweighted				
Required unweighted GPA in all coursework	3.0 GPA unweighted				
TOTAL CREDITS REQUIRED	26	24	24	12	

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- All courses offered are dependent on enrollment. If an insufficient number of students request a course, it will not be taught.

Courses are divided into two types: required and elective. **Required** courses are those a student must pass to meet the state of Oregon and Hillsboro School District requirements for graduation. **Elective** courses are designed to build skills in areas of study that meet the student’s need for vocational and college admission, as well as the pursuit of individual interests. Students are required to pass some elective courses as well.

Weighted Grades

Not all courses are offered at every high school. A student’s unweighted GPA is calculated using two factors: credits earned and the “grade points” that are awarded to letter grades (A = 4 points, B = 3 points, C = 2 points, D = 1 point).

Weighted grades add a “bonus” to the regular letter grade points. Only Advanced Placement (AP) and International Baccalaureate (IB) courses will be weighted. Grades A, B, and C earned in these classes will receive an extra grade point, which will increase the GPA that students earn in these courses: an “A” that is earned in a weighted class will yield 5 grade points (4 points for the “A” and 1 additional point as a weighted bonus), a “B” will yield 4 grade points, and a “C” will yield 3 grade points.

Examples:
Unweighted GPA Calculation

	Class 1	Class 2	Class 3	Class 4
Letter Grade	A	B	A	C
AP or IB Class?	y	n	n	y
Grade Points	4	3	4	2

unweighted GPA = (4 + 3 + 4 + 2) / number of classes = 13 / 4 = 3.25

Weighted GPA Calculation

	Class 1	Class 2	Class 3	Class 4
Letter Grade	A	B	A	C
AP or IB Class?	y	n	n	y
Grade Points	5	3	4	3

weighted GPA = (5 + 3 + 4 + 3) / number of classes = 15 / 4 = 4.25

The transcripts of students who graduate from Hillsboro School District will include both a unweighted GPA and class rank, and a weighted GPA and class rank.

A student’s class rank is based on their GPA. A student with a class rank of 43, for example, has the 43rd-highest GPA in their graduating class. Providing both the unweighted and weighted GPA and class rank information will benefit students whose applications are reviewed by college entrance and scholarship committees that make use of either system. This dual reporting system benefits students by providing additional information about their academic records.

Graduation Honors

Students who earn a Chancellor's Diploma may be eligible for graduation honors. All honors designations are based on unweighted GPA. This information is defined in Hillsboro School District Policy IKF.

Chancellor's Diploma

The Chancellor's Diploma will be awarded to students who have demonstrated their commitment to a rigorous course of study during high school in order to prepare for college and career success. The Chancellor's Diploma includes classes and requirements that promote critical thinking skills and an enriched learning experience. These requirements are aligned with general Oregon university admissions, but do not guarantee automatic acceptance. Students who earn a Chancellor's Diploma demonstrate the experience that is desired for every student in the Hillsboro School District. All students earning a Chancellor's Diploma will be recognized with a Chancellor's Diploma Recognition during the graduation ceremony.

Valedictorian

Students earning a Chancellor's Diploma and receiving an unweighted GPA of 4.0 for all classes taken will be recognized as valedictorians. In the event that no students receive a 4.0 GPA, but earn a Chancellor's Diploma, the student(s) with the highest GPA will be recognized as the valedictorian(s). More than one person may be recognized as the valedictorian(s).

Salutatorian

Student(s) who earn a Chancellor's Diploma and have the second highest unweighted GPA will be recognized as the salutatorian(s). More than one person may be recognized as the salutatorian(s).

Honors Graduate

The students who earn a Chancellor's Diploma and maintain a 3.75 unweighted GPA will be recognized as honors graduates.

Common Admission Requirements for Oregon Public Universities

While each university or college determines their own admissions requirements, the following can be used as a guide for most public institutions in Oregon. These are general admission requirements; additional requirements may apply for scholarships and honors college, as well as the NCAA's requirements for athletic eligibility. Please reference the admission requirements for each postsecondary institution for specific requirements including GPA, test scores and other requirements. As a result of the COVID-19 global pandemic, many universities and colleges have adjusted admissions requirements. Be sure to reference the most up to date admissions information on each university/college website.

College Preparatory Subjects

College Preparatory Subjects	Minimum Units
English	4 credits
Mathematics	3 credits
<i>(culminating in Algebra 2 or higher)</i>	
Science	3 credits
<i>(at least one year of laboratory science is recommended)</i>	
Social Studies	3 credits
World Language	2 credits of the same language
<i>(many institutions also will accept a satisfactory score on an approved proficiency assessment)</i>	

Common Admission Requirements for Oregon Public Universities

(Continued)

SAT or ACT scores are required for admission to some four-year colleges. C- or greater must be awarded in each college-preparatory subject course for automatic admissions.

Freshman GPA Admission Requirements for Oregon Public University System

	UofO	OSU	PSU	EOU	OIT	SOU	WOU
High school GPA	C or better**	3.00	2.5	2.75*	3.00	2.5	2.75*

* Minimum test scores are not set, but test results must be submitted and may be used during additional campus review processes.

** C or better in Core/2nd Language

Community College Requirements

Oregon community colleges have an open-door admission policy. At a community college, students can complete a certificate program, a two-year associate program, or prepare to transfer to a four-year college. Placement testing at community colleges is required prior to registering any courses. Students are not required to take the SAT or ACT for community college admission.

Private Colleges and Universities

Students may want to consider private colleges and universities. These institutions have their own entrance requirements. Consult your counselor and research the individual college/university’s requirements in the Counseling Center or online, or speak to an admissions representative.

NCAA Athletic Eligibility

The NCAA has additional requirements for athletic eligibility, which may be found at www.ncaa.org/student-athletes/future. If you are planning on pursuing participation in an NCAA sport, please contact your school’s athletic office as soon as possible.

Note that the NCAA states that it is the student-athlete’s responsibility to ensure they are taking the correct courses to be NCAA-eligible.

Testing Dates for 2023-24 School Year

Be sure to check the admission requirements of your potential colleges or universities to determine if they have a preference for the SAT or ACT for admission. Note that test scores are only part of a student’s review for admission; coursework, grades, and activities also weigh into the evaluation. Students/families are responsible for registering themselves for any test dates. Information can be found in the College and Career Center in each high school. Qualified students may be eligible for testing fee assistance.

PSAT/NMSQT

The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is a standardized test administered by the College Board and co-sponsored by the National Merit Scholarship Corporation. Upcoming dates:

October 11, 2023

SAT

The Scholastic Aptitude Test, or SAT, is published by the College Board and is used to assess college readiness. The SAT comprises testing in critical reading, mathematics, and an optional essay writing section. Anticipated test dates:

August 26, 2023	November 4, 2023	March 9, 2024	June 1, 2024
October 7, 2023	December 2, 2023	May 4, 2024	

Testing Dates for 2023-24 School Year

(Continued)

ACT

The American College Testing, or ACT, college readiness assessment is a composite, standardized test in four skill areas: English, mathematics, reading, and science. The optional writing test has students plan and write a short essay. Anticipated test dates:

September 9, 2023	February 10, 2024	July 13, 2024
October 21, 2023	April 6, 2024	
December 9, 2023	June 8, 2024	

Students should investigate when SAT/ACT scores are expected at the colleges they are interested in. They should backward-map to the test date to ensure they will meet timelines. Additionally, please be aware that many colleges have adjusted SAT/ACT requirements in response to the COVID-19 global pandemic. Be sure to reference the most up to date information on the college website.

Counseling Procedures

See also the Career and College Pathways section, starting on page 21, to view other counseling activities performed throughout the year.

Forecasting/Planning

Students are advised to plan ahead and forecast carefully. A significant amount of time and effort is devoted to giving students their first-choice electives (or alternates). The offering and staffing of courses will be dependent on the requests made during spring forecasting. Students are expected to take and complete the classes they have requested.

Students will receive guidance on course planning throughout the school year, including:

- Classroom guidance
- Individual and small group planning
- Four-year course planning (Naviance)
- Counseling websites
- Forecasting presentations
- Family nights

Things to Remember

- **PLEASE CHOOSE CAREFULLY.** Your schedule is created based on your course requests and course availability.
- If you are participating in an OSAA activity, you need to be enrolled in a minimum of five credited classes in both the current semester and prior semester.
- Students who do not complete their forecasting sheet will have classes chosen for them based on class availability.
- It is the expectation of the State of Oregon and our district that students engage in a full and complete educational experience. New legislation has required our district to ensure most students are taking a full day of classes each day. Students should work with their counselor for work experience, internships, and other off campus experiences as applicable.

Schedule Correction Procedures

Schedule corrections will only be considered for the following reasons:

- Student needs to take a required course for graduation
- Student was placed in an inappropriate course/skill level
- Student has a “see counselor” note or incomplete schedule

Schedule corrections will not be made for:

- Lunch requests
- Dropping AP/IB courses
- Teacher requests
- Changing unwanted electives
- Peer requests
- Early release/late arrival
- Changing unwanted core class(es),
such as a fourth year of math or science
- Athletics/Activities

It is possible that a student may have received electives for which he/she did not forecast. This is due to limited space in classes or a schedule conflict making it impossible to fill a schedule hole with a requested class.

Course Corrections and Changes

The master schedule, including how many sections of each course is offered, is based on the forecasting requests made during the spring of the previous school year. Due to this, schedule and course corrections are difficult to make because often there are not available spaces in the course. Because students and families are able to view forecasting

Counseling Procedures

(Continued)

choices through Synergy StudentVue and ParentVue, and request forecasting changes in the spring, course corrections will rarely be considered in the fall once school has begun.

Ultimately, all course corrections are subject to review and approval by an administrator. After three weeks, course changes could result in a Withdraw Fail (WF) grade on the student's transcript. A WF will calculate into the cumulative GPA as an F.

Accessing Course Options Beyond Home High School

We believe that the coursework within our HSD comprehensive high schools offers a robust variety of opportunities for our students to meet Oregon Diploma requirements. There may be instances in which a student or their family believe coursework outside of their home school may be appropriate, for example meeting a student's academic rate and level. Hillsboro School District is not always able to meet these requests from students and families. Please connect with your counselor if you have questions.

Expanded Options Program

Hillsboro School District offers the Expanded Options Program (EOP) to 11th and 12th grade students who have utilized all options of course opportunities provided by their local school. In partnership with Portland Community College, students have access to college level courses in order to further their educational experience. If students are interested in learning more about EOP, they should contact their school counselor no later than course forecasting for the following school year.

Early Graduation

A student who wishes to graduate from high school in less time than the ordinary grade 9-12 sequence may request permission to complete graduation requirements on an altered schedule. The student and their parents/guardians will consult with high school guidance personnel to develop a graduation plan. Their intention to accomplish this plan will be stated in writing to the Superintendent or designee. More information about early graduation can be found in Hillsboro School District School Board Policy IKF.

9th Grade Academy

(Liberty High School)

Ninth Grade Academy

The Liberty Ninth Grade Academy opened in fall 2007 with the goal of making a smooth transition from middle to high school for ninth-grade students. By providing a smaller, more efficient learning environment, we are able to present students with an intensive academic experience.

Instructional Program

Ninth grade students are required to complete the curriculum prescribed by the Hillsboro School District, comprising language arts, mathematics, science, social science, physical education, 9th grade explorations, and one or two electives.

School Counseling Program Services

The ninth grade counselor and the ninth grade AVID counselor are dedicated to assisting students in the areas of personal and social skills, career pathways, academic development, and community involvement. Parents will be informed of school counseling activities through the school newsletter and website.

Dual Language Program

(Century High School, Glencoe High School, Hillsboro High School, Liberty High School)

Dual Language Program Goals

(Century High School, Glencoe High School, Hillsboro High School, Liberty High School)
All four of our comprehensive high schools offer dual language learning opportunities in English and Spanish. As Hillsboro School District's dual language program has grown from elementary school to middle school to high school, course offerings have been designed to best meet the needs of our students.

Hillsboro High School offers a specialized four-year course sequence in dual language completing the PK-12 program and focusing on developing fluency and Spanish language interdisciplinary studies. Century High School, Glencoe High School, and Liberty High School began their Dual Language program expansion in 2016 and 2017 offering a specialized four-year course sequence completing the PK-12 program for their feeders.

All four schools are committed to offer at least two core courses in Spanish based on staffing. One of these courses is Spanish Language Arts aligned to the Language Arts Oregon State Standards. These courses look very much like an English language arts class, but are taught in Spanish using authentic Spanish literature. Additionally, this course offers students the opportunity to earn Language Arts Credits or World Language Credits.

In addition to aligning to state standards, all courses center themes from the Three Pillars of Dual Language Program: Bilingualism and Biliteracy, Academic Achievement and Socio-Cultural Competence.

Native Spanish students, Heritage Spanish students and/or students who were previously in a dual language program who wish to enter the program at the high school level are encouraged to meet with their counselor to determine if they meet the entry criteria.

Dual Language Program Goals

The goals of the program are:

- Develop high levels of proficiency in Spanish and English
- Develop bilingualism, biliteracy and biculturalism
- Develop positive cross-culture attitudes and behaviors
- Provide authentic opportunities for service in Spanish-speaking communities in the region
- Provide students with the cognitive skills required to excel in high school, college and the workplace.

State Seal of Biliteracy and HSD Bilingual Recognition

Students enrolled in the Dual Language Program at Century High School, Glencoe High School, Hillsboro High School, and Liberty High School are eligible for the State Seal of Biliteracy and Multilingualism. In order to earn the State Seal, students need to demonstrate essential skills readiness in English in both reading and writing and demonstrate proficiency in a partner language through either scoring a certain level on a state approved assessment (AP, IB, STAMP, WorldSpeak, etc.) or an ACTFL rubric score of six or above in all domains via a student work portfolio. Please note that the State Seal of Biliteracy and Multilingualism is available to any district student who meets the state requirements.

The State Seal of Biliteracy is also available to any bilingual graduating student who meets the state requirements.

Students who finish a four-year sequence of the Dual Language Program instruction are eligible for HSD Bilingual recognition at graduation if they score intermediate proficiency in at least two domains.

Did you know? In the 2017-18 school year, 63.5 percent of all HSD high school students took at least one AP/IB credit by the end of 11th grade. By the end of their senior year, 43.8 percent of students earned two or more AP/IB credits. HSD Facts and Figures 2019

Advanced Placement

(Century, Glencoe, and Liberty High Schools)

Advanced Placement (AP) is a program created by the College Board, which offers college-level studies and rigorous exams to high school students. AP courses are offered at Century, Glencoe and Liberty High Schools, and subject to enrollment and staffing; however, not every course is available at each high school—Students who take the AP exam may earn credit and/or advanced placement for college. Please refer to the course descriptions in this catalog to see whether an AP course is right for you and your post-high school plans. Students are responsible for verifying college credit eligibility with each post-secondary institution based on their post-secondary plan. AP courses are offered at high schools as follows:

Course	Century	Glencoe	HOA	Liberty
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Advanced Placement

(Century, Glencoe, Hillsboro Online Academy, and Liberty High Schools)



International Baccalaureate Program

(Hillsboro High School)

AP Biology	Y	Y	Y	Y
AP Calculus AB	Y	Y		Y
AP Calculus BC		Y		Y
AP Chemistry	Y	Y		Y
AP Computer Science A		N		Y
AP Computer Science Principles	Y	N		Y
AP Economics	Y			
AP English Language & Composition	Y	Y		Y
AP English Literature & Composition	Y	Y		Y
AP Environmental Science		Y		
AP European History	Y	Y		
AP Human Geography	Y	Y		Y
AP Music Theory	Y	Y		Y
AP Physics 1				Y
AP Physics C		Y		Y
AP Psychology	Y	Y	Y	Y
AP Spanish Language	Y	Y		Y
AP Spanish Literature	Y			
AP Statistics	Y	Y		Y
AP Studio Art	Y	Y		Y
AP U.S. Government	Y	Y		Y
AP U.S. History	Y	Y		Y

The International Baccalaureate (IB) Diploma Programme is offered only at Hillsboro High School. IB is an internationally-recognized program which offers students an opportunity to experience a rigorous, interdisciplinary course of study in grades 11-12. This program is recognized as the finest college-preparatory program offered to students.



The common philosophy of IB World Schools is to deliver a rigorous educational experience that helps students develop the skills necessary to excel in an increasingly-competitive, global society. The IB Programme places the student at the center of the educational experience and seeks to develop thoughtful students who strive to be:

Inquirers	Open-minded
Caring	Knowledgeable
Thinkers	Risk-takers
Balanced	Communicators
Principled	Reflective

International Baccalaureate Diploma Programme

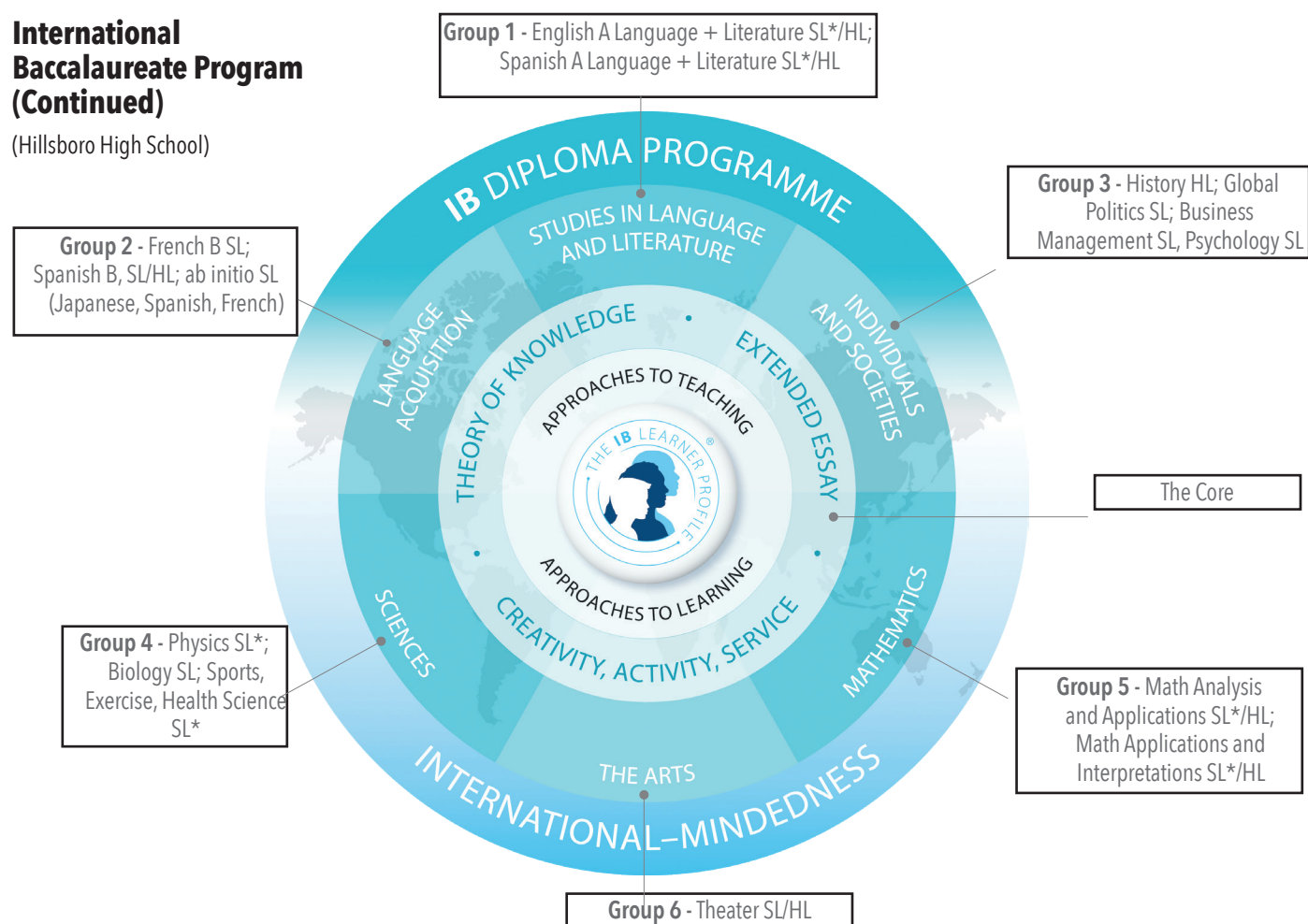
All IB courses are open to all Hilhi students, whether or not students choose to pursue the IB Diploma. If a student chooses to pursue the IB Diploma or the Honors CCP, please see the IB Coordinator and appropriate counselor to ensure that the requirements are known and understood. Students may choose to complete the IB Diploma or individual courses. The IB courses offered at Hilhi are represented in the graphic on page 10.

HL = higher level two-year course

SL = standard level one-year course

International Baccalaureate Program (Continued)

(Hillsboro High School)



SL* = standard level two-year course

CURRICULUM: The IB Diploma requires students to complete advanced, college-level courses in six curriculum areas, including English language arts, language acquisition, social studies, mathematics, experimental science, and arts/electives. At least three, but not more than four, courses are taken at Higher Level (HL) and the others at Standard Level (SL). In addition, students complete the Theory of Knowledge (TOK) course.

EXTENDED ESSAY: IB Diploma students write an approximately 4,000-word essay on a topic of interest. The completion of this essay is supported by the IB Coordinator and staff advisors.

CREATIVITY, ACTIVITY & SERVICE (CAS): IB Diploma and Honors CCP students complete service-learning experiences over the course of their junior and senior years, culminating in a four - six week CAS Project.

DIPLOMA PROGRAM: The International Baccalaureate Diploma Program (IB DP) is a rigorous pre-university course of study that meets the needs of highly motivated students. It is open to any interested student on campus. Designed as a comprehensive two-year curriculum, the Diploma Program challenges students to develop strong reading, writing, and analytical skills across the curriculum that will serve them well at the university level. This program also prepares students for the world after high school by emphasizing curriculum that is taught globally. Students who complete IB courses may choose to take examinations which may lead to college credit. Students at Hilhi can participate in IB by taking one or more IB courses, or by choosing one of the following options :

IB DIPLOMA: Students will take and test in six IB DP courses (three SL and three HL) across content areas, complete TOK 1 and 2, the Extended Essay, and CAS.

HONORS CCP (meets senior project requirement and earns honor cord at graduation): Students will take a minimum of three IB courses, complete Theory of Knowledge (TOK) 1 and 2, and fulfill CAS requirements.

Hillsboro Online Academy



hillonlineacademy.org

452 NE Third Avenue
Hillsboro, OR 97124

Hillsboro School District launched Hillsboro Online Academy (HOA) to fill the needs of students who wish to conduct their education outside of, or as a supplement to, traditional learning on a physical campus. Recognized by the State of Oregon as a diploma-granting school, HOA is a free public school option and offers core courses and a wide assortment of electives that enable students to fulfill state requirements. Currently, the school serves Kindergarten-12 grade.

Full-time or Concurrent Enrollment

Hillsboro School District students may enroll in Hillsboro Online Academy as a full-time student, or as a concurrent student while enrolled in a comprehensive district high school. Full-time HOA high school students complete all State of Oregon graduation requirements and, upon completion, will be awarded a Hillsboro School District diploma.

Online elective courses are available to all district students in grades 9-12 based on approval and availability. Concurrent students enroll in HOA courses through counselors at the traditional high school they are attending. Registered homeschool students and students attending private schools who are residents of the district are also able to enroll in HOA courses.

Hillsboro Online Academy is more than an online school. HOA provides students with face-to-face access to local teachers on-site at a physical school located at 452 NE 3rd Street. HOA is located just blocks from Max and local TriMet bus service.

HOA offers Florida Virtual Online Curriculum for core courses. Florida Virtual is used nationwide and is a highly-regarded, rigorous, online curriculum. A broad range of highly engaging career-related elective courses are available from HOA through eDynamic Learning. Canvas, by Instructure, is used as the learning management system for courses. All courses are taught by local Hillsboro teachers.

Students living within Hillsboro School District boundaries, and not attending an online school outside the district, are eligible to enroll at HOA either full-time or concurrently. Prospective students and their parents/guardians should contact their student's counselor or HOA staff for information on the enrollment process. Non-district students will need to successfully complete the inter-district transfer process before they can enroll.

New and different online courses are offered yearly. Please contact counselors at the comprehensive high schools or the staff of HOA for the latest offerings! Enrollment is not rolling, but occurs at forecasting and at the beginning of each semester. District course add/drop guidelines are followed.

Hillsboro Online is accredited through Cognia, and core academic courses are NCAA-approved.

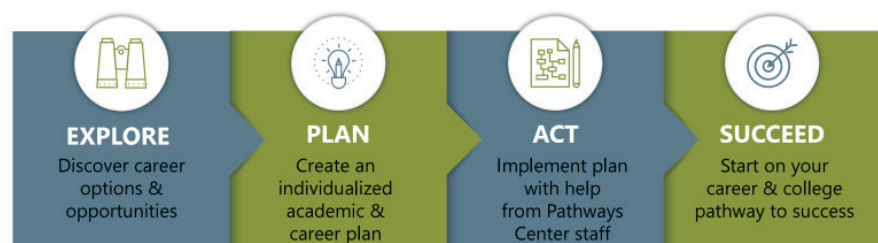
Oak Street Campus



hsd.k12.or.us/oakstreet

440 SE Oak Street
Hillsboro, OR 97123

The Oak Street Campus supports HSD students through age 21 to:



Oak Street Campus is home to students from all of our HSD high schools who seek a smaller and more individualized educational environment. At OSC we want students to explore careers and options to find their own path to success. OSC provides programming that is housed within The David Hill and Pathways Center buildings that is accessible to district students. OSC provides a variety of experiences, services, and supports through a continuity of care model, which includes:

Oak Street Campus

Continued



ACADEMIC	CAREER	VIRTUAL HELP
• School counselor services • Graduation coach • In-person tutoring by appointment • Earn core credits • Dual credit possibilities • GED/ Diploma support • Academic & Career assessments • PCC enrollment & placement tests	• Internship opportunities • Job shadows • Job interview practice • Resume support • Mentorship • FAFSA workshop for financial aid & post-secondary advising • Work-based learning • Career Action Lab • Independent living	• eAdvising • Virtual program advising • Information phone line for staff, family & students • Online tutoring

Oak Street Campus provides option programs and opportunities for Hillsboro School District students. Students can enroll in specific programs:

- David Hill Building - Hillsboro Big Picture, Transitions Option Program, 9th Grade Interval, Diploma Completion for 12+, Teen Parent Program.
- Pathways Center - Early College, GED, Career Action Lab, Independent Transition Services/Youth Transitions Program, HOA Annex
- Also on OSC, Stan Miller Community Center, and Hillsboro Community Garden

Our goal is that through intentional collaboration with both HSD and out of district schools and programs we will ensure students transitions are free of systemic barriers with multiple access points to achieve their goals. Please reach out to your school counselor if you have additional questions about this center.

Hillsboro Early College

The Hillsboro School District Early College program allows students to begin earning college credits as a full-time student at Portland Community College while still in high school. College credits earned apply to both the high school diploma and college studies. Students will have the opportunity to take 12 credits per term (fall, winter, spring) during the school year in which they are enrolled in HSD Early College. Students who enroll at the start of their 11th grade year will have the opportunity to participate in up to 6 terms of HSD Early College, while students entering at the start of 12th grade may participate in up to 3 terms. Students accepted to HSD Early College will not be able to enroll in courses at their home high school, however they *may* be able to participate in OSAA activities and athletics.

Selection Criteria:

Hillsboro School District seeks to enroll a diverse and representative group of students into the Early College program. Criteria for selection includes:

- Incoming high school 11th & 12th graders who are, or are mostly, on track for timely graduation
- Students who are ready to attend PCC full time for the remainder of high school measured by college readiness survey and student interview.
- Students whose attendance, academic performance, or other circumstances indicate lack of engagement or interest in their home high school as measured by school records.
- Students who may be considering alternative graduation options but are academically capable of college coursework as measured by PCC placement exams and high school coursework.
- Students whose individual circumstances may create barriers to college matriculation after high school as reported in application essay and interview process.
- Students who are motivated toward a specific career pathway and would benefit from attending PCC courses in this career area as reported in application essay and interview process.

***HSD Early College Seeks to admit a student cohort that is representative of the demographics of the Hillsboro School District. Every effort will be made to ensure a diverse and representative application pool and HSD Early College may conduct additional outreach if the applicant pool does not meet this goal.

Hillsboro Early College

Continued

HSD Early College Admission Qualifications:

- Applicant resides in the Hillsboro School District catchment area
- Acceptable high school grade/credit attainment to date: 14 high school credits by the end of 10th grade 18 credits by the end of 11th grade
- Completion of PCC College Placement Testing, with scores placing the Early College candidate into Writing 115 or above, Reading 115 or above, and Math 65 or above.

Selection Process:

- 1.) Student completes program application by due date listed on the HSD Early College Application
- 2.) Student is invited to participate in HSD Early College Interview
 - a.) Interviews are scored by school-based selection committee using rubric
- 3.) Using interview scoring rubric and the HSD Early College Selection Criteria, each school-based selection teams will rank applicants from their school in order of enrollment priority.
- 4.) District level team will determine the number of students who will be selected
- 5.) District level team will review priority lists from each school selection team
- 6.) Using the selection priority rankings, the District-level team will select students for admission from each high school.
- 7.) If necessary, the District level team may choose to conduct additional outreach and selection in order to ensure a representative and diverse student cohort.

****Students who elect to take dual credit should consider how the course will align with their post-secondary goals. Students and parents/guardians should talk to their high school counselor about the benefits and potential costs of enrolling in college level courses.**

(Please see course catalogue section on Dual Credit for more information and considerations)

Senior Project and Portfolio

Each Hillsboro School District high school senior is required to complete a senior project in order to graduate. The requirement for these projects is set by the District and the Oregon Department of Education. Students completing a Career and College Pathway will have the opportunity to complete their senior project requirements through the advanced-level capstone course. Capstone courses are identified in the capstone column of the Career and College Pathway Courses Sequence charts beginning on page _____. Seniors not enrolled in a Career and College Pathway will complete their senior project through a Senior Seminar course (see page ____ for course information).

Senior-level Career and College Pathway courses and Senior Seminar provide students the opportunity and support to design and implement their senior project. The project will represent the interests, knowledge, and skills they have gained in high school and their visions for their future education and work.

Senior portfolios include:

- Educational plan and profile
- Career-related learning experience
- Evidence of extended application (*requires a research or reflection paper*)
- Project documents and evaluations
- Exhibition documents
- 15-hour minimum career related learning experience

Dual Credit Opportunities

Dual credit is the opportunity for high school students to earn college credit while still in high school. A qualified instructor provides rigorous content aligned with college coursework through regional post-secondary institutions and partnerships such as Central Oregon Community College, Oregon Institute of Technology, Portland Community College, Portland State University, Western Oregon University, and Willamette Promise. Upon completion of the course, students can earn both high school credit as well as college credit that is reflected in a transcript from the post-secondary institution.

Dual Credit Opportunities

Continued

Because of the nature of post-secondary partnership agreements, qualifications of instructors, and staffing, in some circumstances we might not be able to offer dual credit aligned with high school courses. It should be known that when students enroll in a high school dual credit-articulated course, it is not guaranteed they will receive college credit.

Current dual credit opportunities are shown on the following pages. Please contact your instructor for dual credit requirements for each course.

Students who elect to take dual credit should consider how the course will align with their post-secondary goals. Students should look for credits that fit into the degree or certificate pathways that interest them. Unsatisfactory and/or failing grades can have a negative impact on a student's financial aid opportunities and potential OSAA eligibility. Additionally, credits earned in high school count toward the 90 credit maximum for the Oregon Promise grant. Students enrolled in dual credit are protected by The Family Educational Rights and Privacy Act (FERPA). Due to this, parents/guardians will not have access to student specific information including enrollment, grading, and transcript information. Evidence of college credit will not be reflected on the high school transcript. Records of college credits earned may be obtained by contacting the registrar's office at the individual post-secondary institution. Students and parents/guardians should talk about the benefits and potential costs of enrolling in college level courses.

Central Oregon Community College:



CENTRAL OREGON
community college

www.cocc.edu

OIT:



www.oit.edu

PCC:



Portland
Community
College

www.pcc.edu

PSU:



Portland State
UNIVERSITY

www.pdx.edu

WOU:



www.wou.edu

Willamette Promise:



www.wesd.org/willamettepromise

Dual Credit Opportunities

The number of credits earned and institution may change. Associated courses and credits are based on 2020-21 offerings.

HS Course	College Course	Post-Secondary Institution
Century High School		
Communications	SPE 111 Public Speaking	OIT
Child Development 3	ECE 120 Introduction to Early Education	PCC
Child Development 4	ECE 121 Observation & Guidance 1	PCC
Advanced Culinary Arts/Gourmet	CUL 101 Introduction to Culinary Arts BAK 101 Introduction to Baking and Pastry	COCC
A & P	BIO 103 Intro to Human Anatomy and Physiology	OIT
Health Sciences I	HE112 Standard First Aid & CPR	PCC
Health Sciences II	MP 111 Medical Terminology	PCC
Pre-Calculus	MTH 111 College Algebra MTH 112 Trigonometry	OIT
College Prep ELA	WR 121 English Composition WR 122 College Writing	WOU
AP US History	HST 201, 202, 203 US History	OIT
Spanish 2	SP 101, 102, 103 First Year Spanish SP 201, 202, 203 Second Year Spanish	WOU
Independent study- Senior English	WR 121 English Composition WR 122 College Writing	WOU
Adv Jr English	WR 121 English Composition	WOU
AP Psychology	PSY 201, 202 General Psychology	WOU
Glencoe High School		
Drama/Theater 2	TA 141 Fundamentals of Acting Technique	PCC
Tech Theater	TA 111 Fundamentals of Technical Theater	PCC
Health Science 2	MP 111 Medical Terminology	PCC
Pre-Calculus	MTH 111 College Algebra MTH 112 Trigonometry	OIT
Child Development 3	ECE 120 Introduction to Early Education	PCC
Child Development 4	ECE 121 Observation & Guidance 1	PCC
Hilhi		
Exploring Computr Science	CS 160 Exploring Computer Science	PCC
Computer Science Principles	CS 161 Computer Science 1	PCC
Auto I, II, & III	AM 100 Introduction to Automotive Systems	PCC
Digital Electronics Intro	MT 121 Digital Electronics Intro	PCC
Child Development 3	ECE 120 Introduction to Early Education	PCC
Child Development 4	ECE 121 Observation & Guidance 1	PCC
Intro to Bioscience Technologies	BIT 102 Current Topics in BioScience Technologies	PCC
Liberty High School		
AP US History	HST 201 History of the US to 1840 HST 202 History of the US 1840-1914 HST 203 History of the US 1914-Present	PCC
History of Oregon	HST 240 Oregon History	PCC
Historical Issues: The Holocaust	HST 285 The Holocaust	PCC
Child Development 1	ECE 120 Introduction to Early Education	PCC
Child Development 3	ECE 121 Observation & Guidance 1	PCC
AP Physics 1	PHY 201 General Physics	PCC
AP Physics C	PHY 211 General Physics (Calculus)	PCC
Advanced Theater	TA 141 Fundamentals of Acting Technique	PCC
Pre-Calculus	MTH 111 College Algebra MTH 112 Trigonometry	OIT
Economics	EC 202 Principles of Macroeconomics	OIT
Advanced Culinary Arts/Gourmet	CUL 101 Introduction to Culinary Arts BAK 101 Introduction to Baking and Pastry	COCC
Intro to Fire and Emergency Services	FP 101 Principles of Emergency Services	PCC
Fire Science II	FP 133 Wildland Firefighter	PCC



hsd.k12.or.us/ccp

Aware, Eligible and Prepared

Graduation may seem far away, but it is never too early to get on the right track. Through the Career and College Pathways (CCP) program, Hillsboro School District is committed to ensuring all students are aware of their career and college options, eligible for those options, and prepared for success in their post-secondary choices.

Becoming aware involves early exposure to careers and colleges, interest mapping, guidance lessons, and the completion of national standardized tests. In addition, students need to understand high school graduation requirements and the requirements for entering certain vocations, two-year community colleges, four-year public and private colleges, and even the military.

Becoming eligible involves students completing the necessary steps to engage in the post-secondary option of their choosing. This includes meeting the requirements of college entrance, developing a plan that details the steps needed to reach their future goal, planning for how to pay college tuition or support themselves with gainful employment, and applying to at least one post-secondary institution or job consistent with application requirements and deadlines.

Becoming prepared involves not only learning academic subjects, but also the development of “habits of mind” that lead to success in post-secondary learning or employment. Students will need to have foundational understanding in a wide array of disciplines, study and work habits necessary for school and workplace performance, and a pattern of life skills that will ensure readiness for independent living.

5

Key Indicators

for career and college readiness

- 🔑 National standardized testing taken at 10th grade
- 🔑 PSAT Testing taken by 11th grade
- 🔑 ACT and SAT testing taken by 12th grade
- 🔑 Completing the Free Application for Federal Student Aid (FAFSA) for college in 12th grade
- 🔑 Earning at least nine college credit hours before graduation

Career Development Credit

The School-to-Career Specialist grants the 0.5 credit in career development required for graduation. This is not a course students take, but rather a list of activities students complete through Naviance, career-related learning experiences, and counselor guidance. Naviance is a web-based resource that encourages and supports post-high school career and college planning. The annual Naviance and counselor guidance activities include:

9th Grade Year:

Career and College Naviance Lesson

10th Grade Year:

Career and College Naviance Lesson

11th Grade Year:

Career-Related Learning Experience
Resume

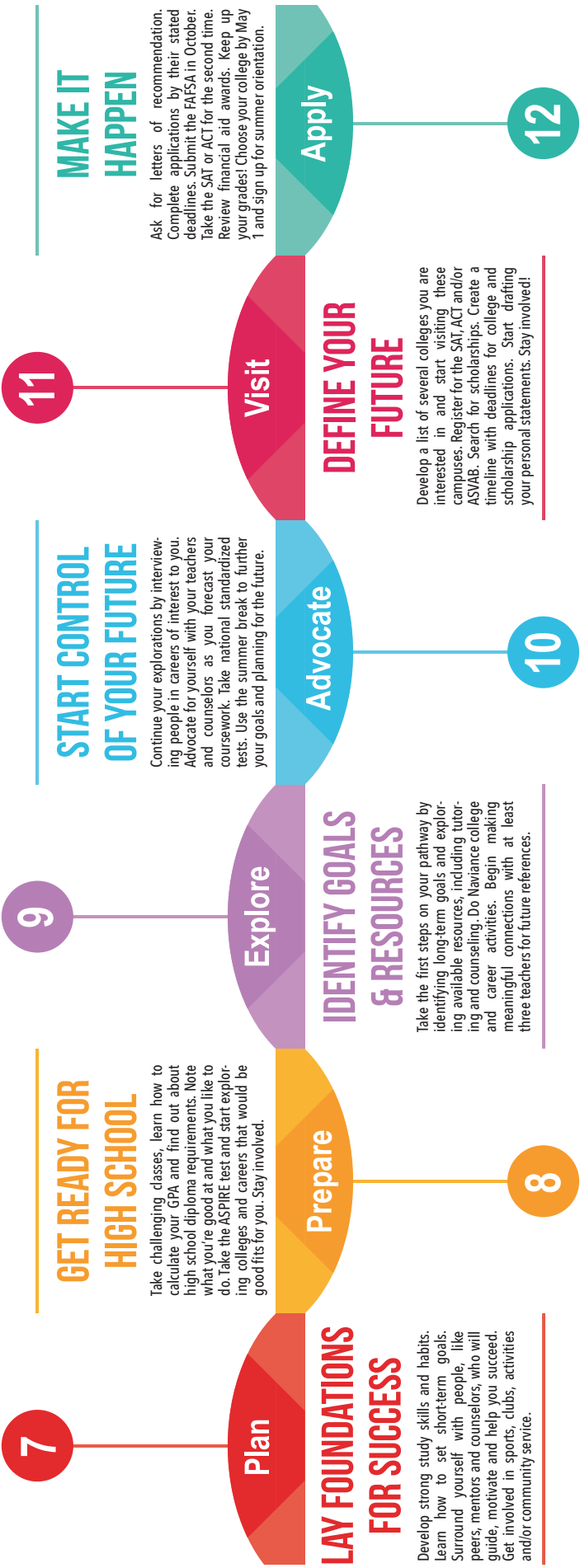
12th Grade Year:

Senior Exit Survey

All HSD high schools are members of the Western Washington County School-to-Career Consortium, which is operated through the Hillsboro Chamber of Commerce.

Students have access to work-based learning opportunities with businesses in the tri-county area. Career-related learning experiences provide opportunities for students to connect classroom learning with life experiences in the community, workplace, or school. School-to-career opportunities are coordinated through the career centers at each of the high schools.

CAREER & COLLEGE PLANNING TIMELINE



Talk with your school and career/college counselors if you have any questions about any of these steps in the process or need further assistance in progressing toward your future.

Career and College Readiness: This roadmap describes the expectations of and activities for HSD students to prepare for career and college.

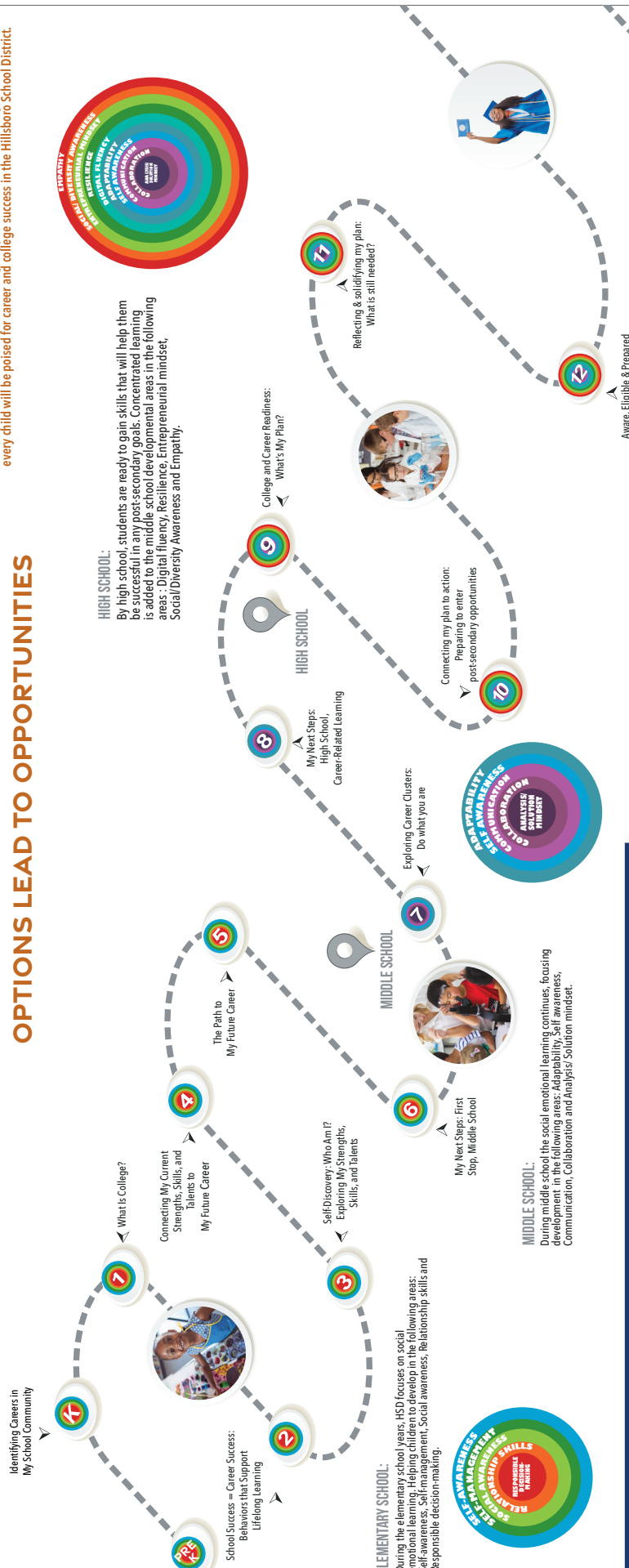
ROADMAP

OPTIONS LEAD TO OPPORTUNITIES



CONNECTING SOCIAL EMOTIONAL LEARNING WITH CAREER & COLLEGE READINESS

The skills that children gain during their PK-12 years to manage their emotions play a vital role in their future success in college and career. This roadmap details when specific social emotional learning happens and how this learning ensures that every child will be poised for career and college success in the Hillsboro School District.



SELF-AWARENESS	SELF-MANAGEMENT	SOCIAL AWARENESS	RELATIONSHIP SKILLS	RESPONSIBLE DECISION MAKING
IDENTIFYING EMOTIONS	IMPULSE CONTROL	PERSPECTIVE-TAKING	COMMUNICATION	IDENTIFYING PROBLEMS
ACCURATE SELF-PERCEPTION	STRESS MANAGEMENT	EMPATHY	RELATIONSHIP BUILDING	ANALYZING SITUATIONS
RECOGNIZING STRENGTHS	SELF-DISCIPLINE	APPRECIATING DIVERSITY	TEAMWORK	SOLVING PROBLEMS
SELF-CONFIDENCE	SELF-MOTIVATION	RESPECT FOR OTHERS	SOCIAL ENGAGEMENT	EVALUATING
SELF-EFFICACY	GOAL SETTING			REFLECTING
	ORGANIZATIONAL SKILLS			ETHICAL RESPONSIBILITY

AWARE

Students possess the knowledge of post-secondary options and the resources necessary to reach those options.

Students know:

- State, public, private, vocational and military options
- FASFA/ORSAA process and availability
- Eligibility requirements for the above options
- Scholarship opportunities
- The requirements and courses of study needed for their future plans

ELIGIBLE

Students have completed the necessary steps to engage in the post-secondary option of their choosing.

Students have:

- Met the requirements of college entrance, including grades, courses of study, and entrance exams
- Developed a plan that details the post-secondary steps needed to reach their future goal
- A plan to either pay for college tuition or support themselves through gainful employment
- Applied to at least one post-secondary institution or job consistent with the application requirements and deadlines

PREPARED

Students possess the academic content knowledge and have the personal/social skills to be successful in post-secondary learning or employment.

Students demonstrate:

- Developed study and work habits necessary for school and workplace success
- Developed foundational understanding in a wide array of disciplines
- A pattern of established life skills that ensures successful independent living

CCP Coursework

What is a Career and College Pathway?

High school is an important part of a student's preparation for life, a time of transitions to post-secondary education, careers and adult responsibilities. Career and College Pathways can help students to clarify their career and college goals and to select courses that match their goals.

Related level courses introduce basic concepts. Required classes provide a fundamental understanding of each area of study. Capstone courses provide an opportunity for students to extend their knowledge and pursue their individual interests.

CCP career learning areas available are:

- Agriculture, Food and Natural Resource Systems
- Arts, Information and Communication
- Business and Management
- Health Sciences
- Human Resources
- Industrial and Engineering Systems

Why enroll in a CCP?

Each student will be able to:

- Pursue personal, academic and career interests
- Establish post-high school goals
- Actively engage in educational planning and take responsibility for learning
- Apply high-level academic and career-related knowledge and skills in relevant and meaningful learning experiences
- Receive support from school, parents and the community.

How will I earn a CCP Cord at graduation?

To earn a CCP graduation cord, students will need to:

- Pass required foundation and advanced application courses with a B or better
- Complete program-specific requirements which may include service learning and/or an internship
- Complete a senior project/portfolio as required in the CCP, through the capstone course.

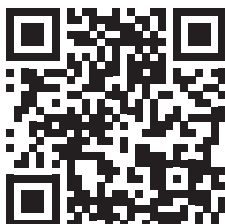
The following pages provide more details on each pathway within the six CCP career learning areas.

Additional Information About CCP

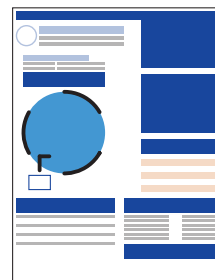
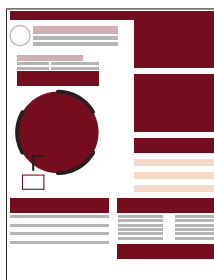
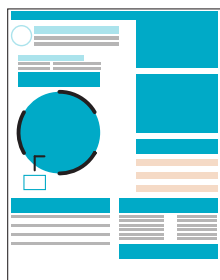
Information about Career and College Pathways, including available career days and seminars, internship opportunities, and more is available on the District website: www.hsd.k12.or.us/ccp.

CCP One-Pagers

One-Page flyers are available for every pathway. To access the full library of career and college pathways, visit www.hsd.k12.or.us/ccponepaggers



www.hsd.k12.or.us/ccponepaggers



CCP Career Learning Areas

Career and College Pathways can help students clarify their career and college goals and select courses that match their goals. In addition to the required coursework, pathways may include career-related learning (i.e., job shadows, internships or related projects), service learning, and senior projects.

CAREER PATHWAYS

By School

Visit the Career and College Pathways section on the HSD website to see program-specific opportunities available at your school.
bit.ly/CCP-onepaggers



	Century	Glencoe	Hilhi	Liberty	HOA
Agriculture, Food & Natural Resource Systems (page 23)			Veterinary Technology	Sustainable Agriculture	Agriculture Science and Technology
Arts, Information & Communication (page 24)	Visual & Media Arts				
	- Graphic Arts - Media - Visual Art (see multiple tracks in course sequence chart)	- Fine Arts - Graphic Arts	- Graphic Arts - Visual Arts	- Ceramics - Creative Writing - Graphic Arts - Media Production - Visual Arts	
	Performing Arts				
	- Instrumental Music - Theatre Arts - Vocal Arts	- Instrumental Music - Theatre and Film - Vocal Arts	- Instrumental Music - Vocal Arts - Theatre Arts	- Instrumental Music - Theatre Arts - Vocal Arts	
	Information Technology				
	Computer Science	Computer Science	Computer Science	Computer Science	
Business & Management (page 28)	Business & Marketing				
	Business & Marketing	Business and Marketing	Business and Marketing	Marketing and Management	
	Culinary Arts & Hospitality				
	Culinary Arts & Hospitality			Culinary Arts	
Health Sciences (page 30)	Health Sciences	Health Sciences	Bioscience Technologies	Health Sciences	
Human Resources (page 32)	Early Childhood Education				
	Early Childhood Education	Early Childhood Education	Early Childhood Education	Early Childhood Education	
	Fire Science				
				Fire Science	
	Leadership/Public Service				
	- Civic and Community Services - Leadership - Interpretation and Translation Services	- Civic and Community Service - Leadership	- Leadership - Public Service	- Civic and Community Service - Leadership	Criminal Justice
Industrial & Engineering Systems (page 35)	Engineering Technology	- Computer Science - Construction - Engineering - Manufacturing & Design Technologies	- Automotive Service - Technology - Diesel Mechanic - Computer Science - Drafting - Electronics and Engineering	- Computer Science - Engineering - Sustainable Design - Aerospace: Aviation Mechanic - Aerospace: Aviation Pilot	



AGRICULTURE, FOOD & NATURAL RESOURCE SYSTEMS

Career Learning Area

The Agriculture, Food and Natural Resource Systems career learning area relates to the environment, food and natural resources such as: agriculture (including food systems); earth sciences; environmental sciences; fisheries management; forestry; horticulture; water resources; wildlife management; urban environmental management. The objectives in this career learning area blend the long-term needs of people and environmental values so the land will support diverse, productive and sustainable processes and products.

—Oregon Department of Education

	Related (beginning in grade 9)	Required (grades 9-11)	Capstone (grade 12)	Post-Graduation (partial list)
• Hilhi	HILHI – Veterinary Technology			2-year college Associate's degree
	• Introduction to Agriculture • Introduction to Bioscience Technology • Human Anatomy & Physiology	• Introduction to Veterinary Science • Animal Nutrition • Veterinary Technology 1	• Veterinary Technology 2	• Horticulture • Floriculture • Landscape Technology
• Liberty	LIBERTY – Sustainable Agriculture			4-year college Bachelor's degree
	• Environmental Science	• Discovering Natural Resources • Intro to Horticulture • Sustainable Agriculture 1	• Sustainable Agriculture 2	• Agribusiness • Management • Agricultural/Crop Science • Botany • Environmental Economics • Environmental Science • Fisheries & Wildlife Science • Food Science • Forestry • Horticulture • Viticulture • Animal Science • Pre-Vet Science
• Hillsboro Online Academy	HOA – Agriculture Science and Technology			
	• Food Science • Service Learning • Environmental Science • Introduction to Forestry & Natural Resources • Introduction to Renewable Technology	• Introduction to Agriculture • Introduction to Veterinary Science • Agriscience 1	• Agriscience 2	



ARTS, INFORMATION & COMMUNICATION

Career Learning Area

The Arts, Information and Communication career learning area includes a wide range of career clusters that involve the creation or transmissions of information through the manipulation of a symbolic language. There is an emphasis on process and the concepts of creativity, integrity and aesthetic awareness. A product is usually associated with that process, but it is the process that retains primary importance.

—Oregon Department of Education

Information Technology

- Century

Related (beginning in grade 9)	Required (grades 9-11)	Capstone (grade 12)	Post-Graduation (partial list)
CENTURY – Computer Science			(continued from previous page)
• AP Computer Science Principles • Introduction to Digital Technology • Programming 3	Choose one sequence: • Programming 1, 2 • OR • Computer Game Design 1,2,3 • OR • Web Design 1,2 • and • Applied Web Design	<i>Research and Development</i>	<i>1-year college certificate program</i> • Computer Information Systems • Application Programming • Computer & Network Admin • Network Admin / Security • Web Application Development • Web Design • Computer Game & App Programmer
GLENCOE – Computer Science			
• AP Computer Science	Choose 2 or more: • Creative Computing • Applied Computing • Programming 1 • Programming 2	• <i>Research and Development</i>	<i>2-year college Associate's degree</i> • Computer Information Systems • Computer Engineering • Computer Game Development • Computer Science • Computer Programming • Web Development and Design • Network Administration • Cybersecurity
HILHI – Computer Science			
• Robotics 1 • Robotics 2 • IB DP Physics SL	• Creative Computing • Computer Science Principles • Introduction to Computer Science • AND • AND one or more of the following: • Applied Computing • Computer Game Design 1 • Computer Game Design 2 • Web Design 1 & 2	• Research and Development	<i>4-year college Bachelor's degree</i> • Computer Science • Computer Engineering • Computer Science - BS Concentrations (might be BS degree at some University) • Software Engineering • Data Science & Analytics • Information Systems • Information Technology • Cybersecurity • Game Design
LIBERTY – Computer Science			
• Electronic Technology • AP Physics	• Programming 1 • AP Computer Science • AP Computer Science Principles • Intro to Engineering	• Research and Development	

VISUAL AND MEDIA ARTS

- *Century*

Related <i>(beginning in grade 9)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
CENTURY – 2-D Art			<i>1-year college certificate program</i> • Publishing Tech. <i>2-year college Associate's degree</i> • Fashion Design • Game Design • Graphic Design • Illustration • Interior Design • Photography • Video Production • Web Design
• 3-D Art 1, 2, 3 • Digital Photography 1, 2 • Graphic Design 1, 2	• Art 1 • Art 2 • Art 3	<i>One of the following:</i> • AP Studio Art • Art 4 <i>Plus:</i> • Humanities	
CENTURY – 3-D Art			<i>4-year college Bachelor's degree</i> • Advertising • Art • Art History • Education • English - Writing • Fashion Design • Film • Game Design • Graphic Design
• Art 1, 2, 3 • Digital Photography 1, 2 • Graphic Design 1, 2	• 3-D Art 1 • 3-D Art 2 • 3-D Art 3	<i>One of the following:</i> • AP Studio Art • 3-D Art 4 <i>Plus:</i> • Humanities	
CENTURY – Digital Photography			
• Art 1, 2, 3 • 3-D Art 1, 2, 3 • Graphic Design 1, 2	• Digital Photography 1 • Digital Photography 2	• Digital Photography 3 <i>Plus:</i> • Humanities	
CENTURY – Media & Communications			
• Introduction to Journalism • Communications • Creative Writing 1 • Graphic Design 1 • World Languages	• Creative Writing 2	<i>One of the following:</i> • Creative Writing 2 • Studio Production • Yearbook Staff <i>Plus:</i> • Humanities	
CENTURY – Graphic Arts			
• Art 1, 2, 3 • 3-D Art 1, 2, 3 • Digital Photography 1, 2 • Yearbook Staff • Studio Production	• Graphic Design 1 • Graphic Design 2 • Graphic Design 3	• Advanced Graphic Design Studio	

VISUAL AND MEDIA ARTS• *Glencoe*

Related <i>(beginning in grade 9)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
GLENCOE – Fine Arts			<i>(see previous page)</i>
- World Language - Cartooning & Drawing 1, 2 - Graphic Design 1, 2 - Advanced Graphic Arts Studio - Yearbook Staff	- Art 1 - Art 2 <i>plus one of the following:</i> - Art 3 - Cartooning 1, 2 - Graphic Design 1 or 2 - Advanced Graphic Arts Studio or Yearbook Staff	- Choose one or more: - Art 3 - Art 4 - AP Studio Art	
GLENCOE – Graphic Arts			
- Art 1, 2, 3, 4 - Cartooning & Drawing 1, 2	- Graphic Design 1 - Graphic Design 2 - Graphic Design 3	Advanced Graphic Arts Studio	
HILHI – Graphic Arts			
- Art 1 - Art 2 - Cartooning & Drawing 1 - Cartooning & Drawing 2 - Yearbook Staff	- Graphic Design 1 - Graphic Design 2 - Graphic Design 3 - Digital Photo 1 - Digital Photo 2	Advanced Graphic Arts Studio	
HILHI – Visual Arts			
- Graphic Design 1 & 2 - Advanced Graphic Arts Studio - Yearbook Staff	- Art 1 - Art 2 - Cartooning & Drawing 2	Art 3	
LIBERTY – Graphic Arts			
- Art 1 - Intro to Marketing - Digital Photography - Video Production - Yearbook	- Graphic Design 1 - Graphic Design 2 - Graphic Design 3 - Yearbook	Advanced Graphic Arts Studio (SP)	
LIBERTY – Ceramics			
- Art 1 - Art 2, 3 & AP Studio Art - Graphic Design 1 - Graphic Design 2	- Ceramics 1 - Ceramics 2	Ceramics 3	
LIBERTY – Creative Writing			
- Broadcast Journalism - Yearbook Staff	- Creative Writing 1 - plus 2.0 credits from: - AP English Language - AP English Literature - Senior Inquiry	Creative Writing 2	
LIBERTY – Media Communications			
- Yearbook Staff - Graphic Design 1 - Graphic Design 2	- Broadcast Journalism - Video Production	Studio Production	
LIBERTY – Visual Arts			
- Digital Photography - Graphic Design 1 - Graphic Design 2	- Art 1 - Art 2	AP Studio Art or Art 3	

• *Hilhi*• *Liberty*

PERFORMING ARTS

• Century

Related <i>(beginning in grade 9)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
CENTURY – Vocal Arts			1-year college certificate program • Music • Music Technology • Special Effects Make-up 2-year college Associate's degree • Hair Design • Makeup • Speech Communication 4-year college Bachelor's degree • Choreography • Education • Film Production • Music • Playwriting/Screenwriting • Sound Engineer • Technical Theatre • Theatre Arts • Music Therapy • Composition • Performance
• Foundation Choir	2.0 or more credits from the following: • Tenor & Bass Chorus • Treble Chorus • Concert Choir • Vocal Ensemble Courses can be repeated	One of the following: • Concert Choir • Vocal Ensemble • Tenor & Bass Chorus • Treble Chorus Plus: • Humanities	
CENTURY – Instrumental Music			
• Concert Band	2.0 or more credits from the following: • Symphonic Band • Jazz Ensemble • Wind Ensemble • Music Percussion • AP Music Theory Courses can be repeated	One of the following: • Symphonic Band • Jazz Ensemble • Wind Ensemble • Music Percussion Plus: • Humanities	
CENTURY – Theatre Arts			
• Theatre Foundations 1	Choose one required sequence: • Theatre 2 • Theatre 3 OR • Technical Theatre Production 2	One of the following: • Theatre 4 • Technical Theatre Production 3 Plus: • Humanities	
GLENCOE – Performing Arts - Instrumental Music			
• Jazz Ensemble • Music Percussion	2.0 credits from: • Concert Band And/OR • Wind Ensemble PLUS: • AP Music Theory	• Wind Ensemble	
GLENCOE – Performing Arts - Vocal Arts			
• Theatre 1 • Student Government	2.0 credits from: • Treble Chorus • Tenor and Bass Chorus • Concert Choir	One of the following: • Vocal Ensemble • Concert Choir	
GLENCOE – Performing Arts - Theatre & Film			
• Construction • Choir Courses • Visual Arts Courses	3.0 credits total required, with at least 2.0 credits from the following (as non-capstone course): • Communications • Film 1, 2 • Theatre 1, 2, 3 • Technical Thetre 1, 2	One of the following: • Theatre 3 • Theatre 4 • Tech Theatre 2 • Film 2	
HILHI – Vocal Arts			
• Theatre 1 • Student Government • Mariachi	2.0 credit from: • Treble Chorus • Tenor and Bass Chorus	• Concert Choir • Vocal Ensemble	

• Glencoe

• Hilhi

**PERFORMING
ARTS**• *Hilhi*

Related <i>(beginning in grade 9)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
HILHI – Instrumental Arts			<i>(see previous page)</i>
- Guitar 1 - Guitar 2 - Ensemble <i>* H i g h l y recommended that all band students enroll in fall Marching Band program</i>	- Concert Band - Symphonic Band	Symphonic Band* <i>*Students need to have been in Symphonic Band or Concert Band for four years.</i>	
HILHI – Theatrical Arts			
Vocal Arts courses	- Choose 1.5 credits or more from: - Theater 1 - Theater 2 - Theater 3 - Theater 4 - Musical Theater Production 1 - Musical Theater Production 2 - Musical Theater Production 3 - IB DP Theater Arts HL1	IB DP Theatre Arts	
LIBERTY – Instrumental Music			
- Jazz Ensemble - Music Percussion - Guitar 1 or 2	- Concert Band - Symphonic Band - AP Music Theory	Symphonic Band	
LIBERTY – Vocal Arts			
Guitar	- Treble Chorus - Tenor and Bass Chorus - Concert Choir - AP Music Theory	<i>One of the following:</i> - Concert Choir - Vocal Ensemble	
LIBERTY – Theatre Arts			
- Introduction to Journalism - Creative Writing - Creative Writing 2 - Art 1 - Marketing 1	- Theatre 1 - Theatre 2 - Theatre 3 - Technical Theatre 1	- Theatre 4 - Technical Theatre 2	

• *Liberty*



BUSINESS & MANAGEMENT

Career Learning Area

The Business and Management career learning area focuses on the business and entrepreneurial needs of Oregon's students as they prepare to enter and succeed in the world of business. The careers in this area span virtually every industry in the world. Studies in Business and Management focus on the commonalities among most businesses, including concepts like personnel management, marketing, planning, finance, and resource management. This area also includes careers in the hospitality and tourism fields.

—Oregon Department of Education

BUSINESS & MARKETING

• Century

• Glencoe

• Hilhi

Related (beginning in grade 9)	Required (grades 9-11)	Capstone (grade 12)	Post-Graduation (partial list)
CENTURY – Business & Marketing			<i>1-year college certificate program</i> • Bookkeeping • Computers • Office Systems • Recordkeeping <i>2-year college Associate's degree</i> • Accounting • Management • Marketing • Merchandising <i>4-year college Bachelor's degree</i> • Accounting • Business • Marketing • Management
• Computer Applications • Marketing Lab • Accounting 1 & 2	• Marketing 1 • Marketing 2 (grade 10-12) <i>Choose one:</i> • Personal Finance <i>OR</i> • Sports, Entertainment & Event Marketing	• Management/ Business Seminar (grade 12)	
GLENCOE – Business & Marketing			
• Personal Finance • Statistics <i>or</i> AP Statistics • Data Science • Marketing Lab - Ground Up	• Marketing 1 • Choose one full credit from: • Marketing 2 • Marketing Lab • Sports, Entertainment, and Event Marketing • Accounting 1	• Management/ Business Seminar	
HILHI – Business & Marketing			
<i>Choose one:</i> • Personal Finance • Marketing Lab - Ground Up	<i>Required:</i> • Marketing 1 • Marketing 2 <i>Choose one full credit from:</i> • Sports, Entertainment, and Event Marketing • Accounting 1 • Accounting 2 • Marketing Lab	• IB DP Business Management SL	
LIBERTY – Marketing & Management			(see previous page)
• Personal Finance • Marketing Lab • Graphic Design 1 • Graphic Design 2	• Marketing 1 • Sports, Entertainment and Event Marketing (grade 11)	• Liberty Marketing & Management, Inc.	

**CULINARY ARTS
& HOSPITALITY**• *Liberty*• *Century*• *Liberty*

Related <i>(beginning in grade 9)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
CENTURY – Culinary Arts & Hospitality			<i>1-year college certificate program</i>
- Communications - Digital Photography - Graphic Design 1 - Graphic Design 2 - Personal Finance	- Intro to Culinary Arts - Gourmet Foods & Hospitality - Marketing 1	Advanced Culinary Arts	- Event Planning - Food Service Management - Travel & Tourism
LIBERTY – Culinary Arts & Hospitality			<i>Culinary academy</i>
- Marketing 1 - World Language - Personal Finance - Graphic Design 1 - Graphic Design 2	- Intro to Culinary Arts - Gourmet Foods & Hospitality	Advanced Culinary Arts	- Chef - Pastry Chef
			<i>2-year college Associate's degree</i>
			- Hospitality & Tourism - Management
			<i>4-year college Bachelor's degree</i>
			- Business Administration - Food Science - Nutrition



HEALTH SCIENCES

Career Learning Area

The Health Sciences Career Cluster orients students to careers that promote health, wellness, and diagnoses as well as treat injuries and diseases. Some of the careers involve working directly with people while others involve research into diseases or collecting and formatting data and information. Work locations are varied and may be in hospitals, medical or dental offices or laboratories, cruise ships, medevac units, sports areas, space centers or within the community.

—Oregon Department of Education

HEALTH SCIENCES

• Century

• Glencoe

• Hilhi

Related (beginning in grade 9)	Required (grades 9-11)	Capstone (grade 12)	Post-Graduation (partial list)
CENTURY – Health Sciences			<i>1-year college certificate program</i>
• AP Biology • Chemistry • AP Chemistry • Physics • Psychology/Sociology • AP Statistics or Statistics • Strength Training • World Language • AP Psychology • Introduction to Health Science	• Anatomy & Physiology/Health Sciences 1 (courses blocked together)	• Complete one or More: • Health Sciences 2 • Certified Clinical Medical Assistant	• Billing and Coding Specialist • Medical Administrative Assistant • Medical Assistant • Pharmacy Tech • Patient Care Tech • Phlebotomist • EKG Tech • Electronic Healthcare Record Specialist
GLENCOE – Health Sciences			<i>2-year college Associate's degree</i>
• AP Biology • Chemistry • AP Chemistry • Physics • Psychology/Sociology • AP Statistics or Statistics • Strength Training • World Language • AP Psychology • Introduction to Health Sciences	• Anatomy & Physiology/Health Sciences 1 (courses blocked together)	• Health Sciences 2	• Emergency Medical Tech • Paramedic • Radiography • Veterinary Tech
HILHI – Bioscience Technologies			<i>4-year college Bachelor's degree</i>
• Statistics • Human Anatomy & Physiology • Intro to Veterinary Science • IB DP Sports, Exercise and Health Science SL1	• Intro to Bioscience Technologies 1 • Intro to Bioscience Technologies 2 - Choose one: • Biomanufacturing	• Advanced Bioscience Technologies	• Biology • Molecular Biology • Nursing • Physician Assistant • Pre-Professional (i.e., dentistry, medicine, physical therapy, veterinary)
HILHI – Sports Medicine			
• IB DP Biology • Aerobics/ Fitness for Life • Psychology • Strength Training • Intro to Health Science	• IB DP Sports, Exercise & Health Science SL1 • Human Anatomy & Physiology	• IB DP Sports, Exercise and Health Science SL2	

HEALTH SCIENCES (Continued)

- *Liberty*

Related <i>(beginning in grade 10)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
LIBERTY – Health Sciences			
• AP Biology • AP Chemistry • Physics • Psychology/Sociology • Statistics • Strength Training • World Language	• Introduction to Health Science • Anatomy & Physiology/Health Sciences 1 <i>(courses blocked together)</i>	• Health Sciences 2	



HUMAN RESOURCES

Career Learning Area

The Human Resources career learning area includes a wide range of career clusters that weave together work in the areas that focus on people; their needs, their growth development, and their safety and well being. Those who work in the fields representing Human resources need a common foundation of knowledge and skills that enables them to assess the complex dilemmas facing individuals and groups in unique situations, identify and weigh options and possibilities, and act in ways that are effective and socially responsible. Careers in this area are very diverse and range, for example, from education to corrections, from law and government to fire and safety, and from child development to national security.

—Oregon Department of Education

EARLY CHILDHOOD EDUCATION

- Century
- Glencoe
- Hilhi
- Liberty

Related <i>(beginning in grade 9)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
CENTURY – Early Childhood Education			<i>1-year college certificate program</i> • Instructional Assistant <i>2-year college Associate's degree</i> • Early Childhood Education • Emergency Medical Technician • Firefighter <i>4-year college Bachelor's degree</i> • Education • Psychology • Sociology
• Child Development 1 • Communications • Intro to Culinary Arts • Daycare Work Experience (Nursery) • Psychology/Sociology • World Language	• Child Development 2 • Child Development 3	• Child Development 4	
GLENCOE– Early Childhood Education			
• Psychology • AP Psychology • Sociology • World Language	• Child Development 1 • Child Development 2 • Child Development 3	• Child Development 4	
HILHI – Early Childhood Education			
• Psychology • World Language	• Child Development 1 • Child Development 2 • Child Development 3	• Child Development 4	
LIBERTY – Early Childhood Education			
<i>Two or more of:</i> • Introduction to CDA • Introduction to Culinary Arts • Psychology • Sociology • World Language	• Child Development 1 • Child Development 2 • Child Development 3	• Child Development 4	
LIBERTY – Fire Science			
• Anatomy & Physiology • Communications • Health Sciences 1, 2 • Psychology • Sociology	• Introduction to Fire & Emergency Services • Fire Science 1	• Fire Science 2	

FIRE SCIENCE

- Liberty

**LEADERSHIP/
PUBLIC SERVICE**• *Century*• *Glencoe*

Related <i>(beginning in grade 9)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
CENTURY – Civic & Community Services			<i>(see previous page)</i>
• Child Development 1 or 2 • Communications • AP European History • Historical Issues • Student Government • AP U.S. History • World Language	• Civic & Community Services 1 <i>Choose two:</i> • You & the Law • AP Economics • AP Government • AP Psychology • Psychology/Sociology • Ethnic Studies • AP US History	• Civic & Community Services 2 • Civics and Community Service: Senior Capstone	
CENTURY – Interpreting & Translation Services			
• French 1-4 • Spanish 1-4 • AP Spanish Language • AP Spanish Literature • Dual Language Program Courses	• Interpreting & Translation 1	• Interpreting & Translation 2	
CENTURY – Leadership (Student Government)			
• Civic & Community Services 2 • AP Economics • AP Government • Intro to Journalism • Leadership 1 • Marketing 1, 2 • Studio Production • AP U.S. History • Video Production • Web Design • World Languages • Yearbook Staff • You & the Law	• Student Government	• Leadership - Student Government • Hold an elected or appointed student government office • NASC Distinguished Leader Portfolio	
GLENCOE – Civic & Community Services			
• Child Development 1 or 2 • Communications • AP European History • Historical Issues • Student Government • AP U.S. History • World Language	• Civic & Community Services 1 • Choose one: • AP Government • AP Psychology • Psychology/Sociology	• Civic & Community Services 2	
GLENCOE – Leadership			
• Civic & Community Services • Leadership 1 • Marketing 1, 2 • Graphic Design • Web Design • World Languages • Yearbook Staff • People and Politics • Psychology • Sociology	• Student Government • Surf Tide Leader • Be an active member of a club or sport on campus <i>And choose 1:</i> • Leadership 1 • Leadership 2 • AVID	• Student Government • Hold an elected or appointed office in Student Government <i>OR</i> • Hold a leadership position in Sparrow Club, NHS, or Key Club, BSU, or Racial Equity Club	

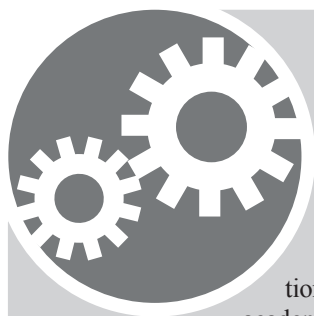
LEADERSHIP/ PUBLIC SERVICE (Continued)

• Hilhi

• Liberty

• Hillsboro Online
Academy

Related <i>(beginning in grade 9)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
HILHI – Leadership			<i>(see previous page)</i>
• Sociology • People & Politics • IB Global Politics • Yearbook Staff • Marketing 1 • Graphic Design 1 • Web Design • Theater 1	• Student Government <i>AND</i> • Be an active member of a Hilhi club, team or group (NHS, M.E.Ch.A., Key Club, GSA, or any OSAA recognized team) <i>And choose 1:</i> • Leadership 1 • Leadership 2 • Link Crew • Psychology • You & the Law • AVID	• Student Government <i>AND</i> • Hold an elected or appointed office in Student Government <i>OR</i> • Link Crew Class & • Hold a leadership position in Link Crew	
HILHI – Public Service			
	<i>Choose three or more:</i> • Psychology 1 • Psychology 2 • Sociology • You & the Law • Ethnic Studies • IB DP Psychology SL	• IB DP Global Politics	
LIBERTY – Leadership			
• Broadcast Communications Journalism • Freshman Leadership • Marketing 1 • Psychology • Sociology • Video Production • Yearbook Staff • Sports, Entertainment, and Event Marketing and Management	Student Government <i>AND</i> Be an active member of an LHS club, team or group (e.g. BSU, M.E.Ch.A., API, GSA, or any OSAA recognized team) And at least 1: • Leadership 1 • Leadership 2 • You & the Law • AVIS • Civic and Community Service 1/2	• Student Government • Hold an elected or appointed office in Student Government <i>OR</i> • Hold a leadership position in an LHS club or group (e.g. M.E.Ch.A, BSU, API, GSA)	
LIBERTY – Civic & Community Service			
• Child Development Courses • AP U.S. History <i>(junior year)</i> • AP Government or Senior Inquiry <i>(senior year)</i> • World Language	• Communications • You & the Law • CCS 1: Civic & Community Services 1	• CCS 2: Civic and community Services 2	
HILLSBORO ONLINE ACADEMY – Criminal Justice			
• Psychology 1 • Sociology 1	• Careers in Criminal Justice (1.0) <i>plus at least two of the following courses, either in your school or online through HOA:</i> • Criminology (1.0) • National Security • Forensic Science 1 • Forensic Science 2	• Criminal Justice • Capstone <i>(includes Principles of Public Service and Law & Order courses)</i>	



INDUSTRIAL & ENGINEERING SYSTEMS

Career Learning Area

The Industrial and Engineering Systems Career Learning Area relates to the technologies used to design, develop, install, operate, maintain and upgrade physical systems. These include: engineering and related design technologies; mechanical systems; manufacturing technologies; precision production; construction; electrical systems; electronics; and information technologies. People in this field use academic and technical knowledge and skills to design, build, inspect, deliver, maintain, and repair aircraft, automobiles, buildings, computer equipment, roads, bridges and manufacturing machinery.

—Oregon Department of Education

• *Century*

• *Glencoe*

Related (beginning in grade 9)	Required (grades 9-11)	Capstone (grade 12)	Post-Graduation (partial list)
CENTURY – Engineering Technology			<i>1-year college certificate program</i> • Aviation Science • Building Construction • Machine Manufacturing • Welding • Woodworking (fine) <i>2-year college Associate's degree</i> • Aviation Science • Biomedical Engineering Technology • Computer Information Systems • Computer Science • Drafting & Design • Engineering Tech • Horticulture • Mechanical Engineering & Technology <i>(continued)</i>
• Introduction to Digital Technology • Engineering Systems Lab	• Drafting Technology 1 • Drafting Technology 2	• Engineering Prep	
GLENCOE – Construction			
• Drafting 1 • Machine Welding 1	• Two credits from the following: • Woodworking Technology • Construction 1 • Construction 2	• Construction 2	

INDUSTRIAL & ENGINEERING SYSTEMS (Continued)

• *Glencoe*

• *Hilhi*

Related <i>(beginning in grade 9)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
GLENCOE – Engineering • AP Computer Science • Creative Computing • Drafting 1 • Programming 2 or 3 • Robotics 1 • Robotics 2			<i>4-year college Bachelor's degree</i> • Architecture • Biological & Ecological Engineering • Chemical • Engineering • Electrical • Engineering • Environmental Engineering • Environmental Science • Materials Science • Mechanical • Engineering
GLENCOE – Manufacturing & Design Technologies • Drafting 1, 2 • Woodworking Technology 1, 2 • Construction 1			
HILHI – Automotive Service Technology • Electronic Technology 1 • Machine Welding • Intro to Diesel Service Technology			
HILHI – Diesel Mechanics • Automotive Technology 1 • Electronic Technology 1 • Machine Welding 1			
HILHI – Drafting • Robotics 1 • Robotics 2 • Creative Computing • Electronic Technology 1			
HILHI – Electronics & Engineering • IB DP Physics SL • Drafting 1 • Robotics 1 • Robotics 2 • Automotive Tech 1			
GLENCOE – Engineering • AP Computer Science • Creative Computing • Drafting 1 • Programming 2 or 3 • Robotics 1 • Robotics 2			
GLENCOE – Manufacturing & Design Technologies • Drafting 1, 2 • Woodworking Technology 1, 2 • Construction 1			
HILHI – Automotive Service Technology • Electronic Technology 1 • Machine Welding • Intro to Diesel Service Technology			
HILHI – Diesel Mechanics • Automotive Technology 1 • Electronic Technology 1 • Machine Welding 1			
HILHI – Drafting • Robotics 1 • Robotics 2 • Creative Computing • Electronic Technology 1			
HILHI – Electronics & Engineering • IB DP Physics SL • Drafting 1 • Robotics 1 • Robotics 2 • Automotive Tech 1			

INDUSTRIAL & ENGINEERING SYSTEMS (Continued)

- Liberty

Related <i>(beginning in grade 9)</i>	Required <i>(grades 9-11)</i>	Capstone <i>(grade 12)</i>	Post-Graduation <i>(partial list)</i>
LIBERTY – AEROSPACE - Aviation Science (Pilot)			(see previous page)
	• Introduction to Aerospace • Pilot 1a: Applied Aerodynamics • Pilot 1b: Aircraft Systems & Performance	• Pilot 2: Private Pilot Ground	
LIBERTY – AEROSPACE - Aviation Mechanics			
	• Introduction to Aerospace • Mechanic 1: Aircraft Applied Science	• Mechanic 2: Materials and Processes	
LIBERTY – Engineering			
• Drafting Technologies • Electronic Technologies • Intro to Engineering	• Principles of Engineering	• Research & Development	
LIBERTY – Sustainable Design			
• Environmental Science • Drafting Technologies • Intro to Engineering • Principles of Engineering	• Construction Technology • Sustainable Design 1	• Sustainable Design 2	

Course Descriptions

Courses are divided into required (for graduation) and elective types. Be sure to read the course descriptions and the prerequisites needed. Courses are offered contingent upon adequate funding, staffing and sufficient enrollment. Consult your counselor to assist you with appropriate placement and recommendations for courses.

Agriculture, Food, and Natural Resources

AGRICULTURE

INTRODUCTION TO HORTICULTURE TECHNOLOGY & DESIGN

Grades: 9-12 (LHS)

Prerequisite: None

0.5 credit

Optional Fee: \$25/Semester

This class is designed to provide the beginning student with basic knowledge of plant anatomy, physiology and classification. The effects of the environment on plant growth and development are explored. Material is presented by lecture, visual aids and hands-on laboratory experiences.

INTRODUCTION TO AGRICULTURE

Grades: 9-12 (HHS, HOA)

Prerequisite: None

0.5 credit

Optional Fee: \$25/Semester

This is an introductory course designed to expose students to different facets of The National Future Farmers of America (FFA) Organization and the agriculture industry. Students will gain knowledge in animal science, plant science, leadership skills, public speaking, FFA opportunities, and food science. Instruction and student learning will be through hands-on experiences, scientific laboratory experiments, field trips, and FFA career development events.

AGRISCIENCE 1

Grades: 9-12 (HOA)

Prerequisite: Introduction to Agriculture **0.5 credit**

This course explores how agriscientists play key roles in improving agriculture, food production, and the conservation of natural resources along with the technologies used to keep the field thriving.

AGRISCIENCE 2

Grades: 9-12 (HOA)

Prerequisite: Agriscience 1 **0.5 credit**

Science and technology are revolutionizing many areas of our lives – and agriculture is no exception! Delve deeper into important agri-areas such as soil science and weed management; explore research on plant and animal diseases as well as the insects and other pests that can impact agricultural enterprises and natural resources.

INTRODUCTION TO FORESTRY & NATURAL RESOURCES

Grades: 9-12 (HOA)

Prerequisite: None

0.5 credit

Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you'll learn more about forest ecology, management, and conservation. You'll explore topics such as

environmental policy, land use, water resources, and wildlife management. Finally, you'll learn more about forestry-related careers and important issues facing forestry professionals today.

Students from any high school may forecast for this online course.

INTRODUCTION TO VETERINARY SCIENCE

Grade: 9-12 (HHS, HOA)

Prerequisite: None

0.5 credit

This course is an introductory course designed to explore the job of the Certified Veterinary Technician, as well as covering medical terminology used in Veterinary Technology. Units covered include occupational safety, technician job duties, ethics and welfare, infectious diseases, commonly used vaccines, breeds of animals, first aid and nursing care, job opportunities, and veterinary medical terminology.

ANIMAL NUTRITION

Grade: 9-12 (HHS)

Prerequisite: Introduction to Veterinary Science

0.5 credit

3-D Art 3 is an advanced application course that develops the student's technical skills further in sculpture. In-depth study and studio experience may include installation, figurative, book arts, more theme-based projects using clay, cardboard, books and paper. Students focus on personal ideas and see a piece through from the initial idea to a polished, refined project. Research, critiques, reflective writing and art concepts are important aspects of this class.

VETERINARY TECHNOLOGY 1

Grade: 10-12 (HHS)

Prerequisite: Animal Nutrition, Introduction to Veterinary Science **1.0 credit**

Provides an overview of all body systems and the importance of homeostasis. Teaches nursing techniques and principles of restraint of small and large animals. Emphasizes techniques to maximize the safety aspect of restraint to both the handler and to the animal patient. Introduces the livestock industry and the various species of large animal livestock. Includes livestock terminology, breeds, production systems, basic management practices, and animal products and by-products.

VETERINARY TECHNOLOGY 2

Grade: 12 (HHS)

Prerequisite: Veterinary Technology 1 **1.0 credit**

Covers clinically important diseases and disease processes occurring in small animals and large animals. Includes the causes, pathogenesis, clinical signs, treatment and prevention of each disease. This is the capstone course for the Veterinary Science Career and College Pathway.

DISCOVERING NATURAL RESOURCES**Grades: 9-12 (LHS)****Prerequisite: None** **0.5 credit****Optional Fee: \$25/semester**

This course is designed to help students develop an awareness of renewable and nonrenewable natural resources. Students will be exposed to a variety of activities and labs that provide hands-on learning and the application of scientific principles. This course is an introduction to further studies in the natural resources field.

SUSTAINABLE AGRICULTURE 1**Grades: 10-12 (LHS)****Prerequisite: Introduction to Horticulture or Discovering Natural Resources** **1.0 credit**

This class is focused on learning essential gardening and farming methods that do not harm the soil, air, or water for future generations. Students will plan, plant, compost, save seeds, use garden tools/equipment and develop a variety of growing techniques in the school garden. In addition, students will investigate factors that affect plant health, growth, and reproduction by designing and conducting experiments in the garden. Students will use prior knowledge, new knowledge, and experience in the class to think critically about how our current food system operates to develop real solutions to change social and environmental problems.

SUSTAINABLE AGRICULTURE 2**Grades: 11-12 (LHS)****Prerequisite: Sustainable Agriculture 1** **1.0 credit**

This class is the capstone course for the sustainable agriculture program of study. Students will complete their senior project and manage the Falcon Farm. Students will demonstrate their knowledge of the three main goals of sustainable agriculture: environmental health, economic profitability, and social and economic equity.

FLORAL DESIGN**Grade: 9-12 (HHS)****Prerequisite: None** **0.5 credit****Optional Fee: \$25/semester**

This course is designed to help students develop skills in floriculture and the techniques used to develop and complete a variety of items normally sold in a retail florist business. The skills gained are necessary to acquire and maintain employment in the retail florist industry.

Arts, Information, and Communications

VISUAL ARTS

ART 1

Grades: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: None

0.5 credit (HHS, LHS)

1.0 credit (CHS, GHS)

Art 1 is an exploratory course in Fine Arts. Students will work intensively in drawing, painting, composition, color, and design. This course gives the beginning student the visual awareness and technical skills to translate the 3-D world into a 2-D form. Art history and vocabulary are important aspects of Art 1.

ART 2

Grades: 10-12 (CHS, GHS, HHS, LHS)

Prerequisite: Art 1

1.0 credit

Building upon the skills established in Art 1, this second year foundation course concentrates on enhancing the student's creative energy. The course will include development of visual awareness, problem-solving, creativity, and perspective. Students will be introduced to elements of design, life drawing, illustration, and color theory through the mediums of paint, pen and ink, and pastel.

ART 3

Grades: 11-12 (CHS, GHS, HHS, LHS)

Prerequisite: Art 2

1.0 credit

This course is for the student to exceed in their art making ability using art elements and principles of design. Students will concentrate on the technical aspects of seeing an artwork through from the initial idea to a polished gallery-ready presentation. Students should be able to back up their decisions in their art utilizing formal evaluation strategies. The emergence of the student's creative voice is encouraged at this level. This course is for those who are independent workers, self-motivated, and have a connection to their art. Visual risk-taking is a must in this course.

ART 4

Grades: 11-12 (CHS, GHS)

Prerequisite: Art 3

1.0 credit

Art 4 is a studio class that involves in depth experiences in drawing, painting and mixed media, and printmaking. Students are exposed to art schools, museums, galleries, art history, and contemporary art issues and portfolio development. Students will focus on a chosen concentration theme while building up a body of artwork.

3-D ART 1

Grades: 9-12 (CHS)

Prerequisite: None

1.0 credit

This introduction to three-dimensional art includes exploration of sculpture, using a variety of materials. Students will apply the elements and principles of design to work intensively with clay, cardboard, paper, reed, and mixed media focusing on height, width and depth created in sculpture. Art history and vocabulary are

important aspects of 3-D Art 1, as well as reflective writing and reading.

3-D ART 2

Grades: 10-12 (CHS)

Prerequisite: 3-D Art 1

1.0 credit

Building upon the skills established in 3-D Art 1, this second year foundation course concentrates on: expanding on work from 3-D Art 1; working with clay and a variety of materials, enhancing the student's development of visual awareness; and problem-solving skills, while using their creativity in their student voice within the parameters of the assignment. Reading, reflective writing, research, art theory and critiques are important aspects of this class.

3-D ART 3

Grades: 11-12 (CHS)

Prerequisite: 3-D Art 2

1.0 credit

3-D Art 3 is an advanced application course that develops the student's technical skills further in sculpture. In-depth study and studio experience may include installation, figurative, book arts, more theme-based projects using clay, cardboard, books and paper. Students focus on personal ideas and see a piece through from the initial idea to a polished, refined project. Research, critiques, reflective writing and art concepts are important aspects of this class.

3-D ART 4

Grade: 12 (CHS)

Prerequisite: 3-D Art 3

1.0 credit

This is a fourth-year course available to seniors who have completed 3-D Art 3 and wish to continue their education in the Fine Arts. Students and those preparing their Senior Project in 3-D Art will work with the class for the first semester and develop a portfolio in preparation for their Senior Show the second semester. Students are expected to work at a college level and must be highly self-motivated. Students will prepare and present several artist statements, in addition to other reading, reflective writing, research and critiques.

AP AP STUDIO ART - 2D or 3D

Grades: 11-12 (GHS, LHS), 12 (CHS)

Prerequisite: Art 3, 3-D Art (CHS), Art 3 (GHS) **1.0 credit**

The AP Studio Art Program consists of three portfolio exams—2-D Design, 3-D Design, and Drawing—corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses.

**AP Studio Art is a vehicle in which seniors can complete their Senior Project (GHS).*

GRAPHIC DESIGN 1**Grades: 9-12 (CHS, GHS, LHS), 10-12 (HHS)****Prerequisite: None** **0.5 credit**

Students explore graphic design areas including illustration, product design, poster design, logo design and more. Students will learn to use programs from the Adobe Creative Suites. All projects involve creative problem-solving through typography and letterforms, color theory, aesthetics and criticism. Students will learn to use the design process, and the steps to creating a refined finished design. Graphic Design is a gateway to many career options in commercial art and design.

GRAPHIC DESIGN 2**Grades: 9-12 (*CHS) 10-12 (GHS, HHS, LHS)****Prerequisite: Graphic Design 1** **0.5 credit**

Graphic Design 2 continues the exploration of real world design through work-based/simulated learning projects and issues using traditional and nontraditional media, and Adobe Creative Suite.

*CHS - Grade 9 during 2nd semester only

GRAPHIC DESIGN 3**Grades: 10-12 (CHS) 11-12 (GHS, HHS, LHS)****Prerequisite: Graphic Design 1&2** **1.0 credit**

This course is designed as the 3rd step in the graphic design pathway program. This course will focus on elevating skills from graphic design 1- 2 while students collaborate on projects with building and District clients. Students will integrate the various Adobe Programs while creating authentic projects for building and district needs. Students will begin building relationships with industry professionals.

ADV. GRAPHIC ARTS STUDIO**Grades: 11-12 (GHS), 12 (CHS, HHS, LHS)****Prerequisite: Graphic Design 3** **1.0 credit**

Advanced Graphic Arts Studio is the capstone course for the Graphic Arts pathway. This course will focus on advancing skills from graphic design 1- 3 while students collaborate on projects with real life clients. Students will build a portfolio of work and a resume that will allow them to apply to jobs directly post graduation. Students will establish mentorships with industry professional. Students will work with groups in the community to connect with real life clients who have projects they want to create. Students will use the design process while meeting with their clients, determining their client needs and then creating designs for them. They will receive feedback about their designs and make revisions to satisfy the clients needs.

CARTOONING & DRAWING 1**Grades: 9-12 (GHS) 10-12 (HHS)****Prerequisite: HHS - Art 1** **0.5 credit**
GHS - No prerequisite

In this in-depth study of the art of cartooning, students focus on the development of drawing skills (human anatomy, shading and perspective), effective storytelling, and character creation. Significant time is spent drawing the figure from observation as well as on building first-hand experience with the many genres of comics. Projects including "how-to" comics, autobiographical comics, political cartoons and hero/villain cards allow students to gain valuable skills for careers in illustration, storyboarding, game design or animation.

CARTOONING & DRAWING 2**Grades: 9-12 (GHS)****10-12 (HHS)****Prerequisite: Cartooning 1** **0.5 credit**

This course continues the exploration of graphic narratives by approaching comics as the meeting of art, writing, and digital tools. When possible, this class will be offered in a computer lab to enhance hand-drawn comics. Students will pitch an idea for a new comic or cartoon, then begin work on that series. Students will also create daily comic strips with a consistent cast of characters, and will create a class anthology.

DIGITAL PHOTOGRAPHY 1**Grades: 9-12 (CHS, HHS, HOA)****10-12 (LHS)****Prerequisite: None** **0.5 credit (HOA 1.0)**

Students will be introduced to the field of digital photography. Students will learn the basic elements of composition in photography and how to compose quality artistic and commercial photographs in both black & white and color. Students will learn to enhance and manipulate their photographs through post-production work using graphic design software.

DIGITAL PHOTOGRAPHY 2**Grades: 9-12 (CHS, HHS)****Prerequisite: Digital Photo 1** **0.5 credit**

Digital Photography 2 goes deeper into the social/career related aspects of photography. Projects include photo-interview, photo essays, photojournalism and promotional posters. Photoshop is explored further as a creative tool and students craft photo series that are presented in class and online.

DIGITAL PHOTOGRAPHY 3**Grades: 10-12 (CHS, HHS)****Prerequisite: Digital Photo 1 & 2** **0.5 credit**

Students will choose and explore a conceptual theme or idea that will guide and inspire their final presentation. Students will spend the semester working on completing that presentation through photography, post-production and self-reflection. Students will present a final project of 12 strong images and an artist's statement that clearly support their conceptual theme or idea which will be presented on Senior Project night.

CERAMICS 1**Grades: 9-12 (LHS)****Prerequisite: None** **0.5 credit**

This course is designed to introduce students to the tools and techniques used when working with clay through hand building. Students will learn techniques including scoring and slipping, slab building, and coil making. A focus on design is used to guide students through principles of form moving through space.

CERAMICS 2**Grades: 10-12 (LHS)****Prerequisite: Ceramics 1** **1.0 credit**

Building upon the techniques taught in Ceramics 1, this second year focuses on a more detailed examination of ceramic design and concept.

CERAMICS 3**Grades: 11-12 (LHS)****Prerequisite: Ceramics 2** **1.0 credit**

Building on the techniques and skills practiced in Ceramics 1 and 2, students develop their own voice through designing a thematic series. This work is supported with planning and reflection with journals and writing from conception to completion of projects.

PERFORMING ARTS

CONCERT BAND**Grades: 9-12 (CHS, GHS, HHS, LHS)****Prerequisite: None** **1.0 credit**

Incoming freshmen may enroll in Concert Band. Students will survey a variety of concert literature and work on development of ensemble blend, balance, intonation, sight-reading, and individual instrumental technique. Members will have the opportunity to study with professional clinicians to enhance personal improvement and aid in preparation of solo and ensemble repertoire. During the fall season, participation in the marching band is highly expected for all home football games, competitions, and parades. During the winter

season, participation in the pep band is expected for home games. This class may include summer rehearsals and an annual Band Camp scheduled in August. At CHS, this is a non-audition group open to all grades including incoming 9th grade students.

SYMPHONIC BAND

Grades: 9-12 (CHS, HHS, LHS)

Prerequisite: teacher recommendation by audition **0.5 credit**

This is the highest-level instrumental performing group in the school. Transfer students will be auditioned and placed according to the director's judgment. Students should have their own instrument. A few of the larger, more expensive instruments are provided by the school for a small yearly rental fee. This is a performing class with performances during and after school. Participation in marching band is highly expected for students enrolled in this course. Conflicts which take a student away from the majority of after school rehearsals, practices or performances should be discussed with the band director. This class includes summer rehearsals and an annual Band Camp scheduled in August. Auditions will be held in May.

JAZZ ENSEMBLE

Grades: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: None **1.0 credit**

This class meets during period 0.

Jazz Ensemble is an instrumental course designed to study and perform in many different styles including: Swing, Bebop, Latin, Rock, and many more. All musicians in jazz band must not be concurrently enrolled in a separate band or percussion class (Concert, Symphonic, Wind Ensemble). Piano Bass guitar, electric guitar may seek an exception at the director's discretion. The group rehearses four days a week. This is a performing course with performances during and after school. Conflicts which take a student away from the majority of after school rehearsals, practices or performances require band director approval before the student registers for the class. Auditions will be held in May.

WIND ENSEMBLE

Grades: 9-12 (CHS, GHS)

Prerequisite: Audition **1.0 credit**

Wind Ensemble is the highest-level band course offered at Century and Glencoe. Grade IV and V band literature will be a focus of the course. Required performances are part of the course and students are highly encouraged to

participate in marching band and pep band. This class may include summer rehearsals and an annual Band Camp scheduled in August.

MUSIC PERCUSSION

Grades: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: None

1.0 credit (CHS, GHS, LHS) 0.5 credit (HHS)

This is a course for all those who play drums, or want to play drums. Students from all skill levels are encouraged to take this class. We will learn African Drums, drum set, marching drums, mallets, and all things percussion. This is a performing course with performances during and after school. All students taking this course should expect to attend MANDATORY performances and occasional rehearsals on evenings and/or weekends.

FOUNDATION CHOIR (SATB)*

Grades: 9-12 (CHS)

Prerequisite: None

1.0 credit

All students with a basic ability to sing are welcome to register for this choir class.

Emphasis is placed on teamwork and developing basic skills in vocal technique, sight reading, and music theory. A wide variety of choral music is studied and performed at required concerts, festivals, and special performances throughout the school year. Students interested in participating as a piano accompanist should contact the instructor or go through their counselor.

*SATB: soprano, alto, tenor, bass

GUITAR 1

Grades: 9-12 (CHS, GHS, HHS, HOA)

9-10 (LHS)

Prerequisite: None

0.5 credit

This course is for the beginning guitar student. Chord theory, note reading, basic strum patterns, picking patterns, lead patterns, and ensemble playing will be the focus. The basic knowledge and skill developed in this class will enable the student to begin to explore guitar music styles that interest them. There will be group class time when all students work together, and time for individual and small group project work. Guitars will be provided for students to play during class. It is recommended that students provide their own guitar for practice at home.

GUITAR 2

Grades: 9-12 (CHS, GHS, HHS)

Prerequisite: Guitar 1 or proficiency **0.5 credit**

This course is for all students who have completed Guitar 1. Advanced chord theory, note reading, strum and patterns, lead patterns and ensemble playing will be the focus. There will be both class work and individual work. Students will work as a class on PE 1 performance and skill projects to develop required skills. They will also work on individual performance and skill projects that focus on their own chosen guitar styles and interests. Guitars will be provided for students to play during class. It is recommended that students provide their own guitar for practice at home.

MARIACHI

Grades: 9-12 (CHS, GHS, HHS, LHS, HOA)

Prerequisite: see below*

1.0 credit

Location: HHS

Bus transportation is available from other high schools for students in grades 10-12.

Students in this course study music through learning the fundamentals of playing an instrument and singing. Student evaluate, practice, and perform mariachi, a traditional music of Mexico. Emphasis is placed on development of note reading skills, aural skills, rhythmic patterns, intonation and tonalities inherent to the music. Students develop individual instrumental and vocal proficiency in order to contribute to the ensemble.

AP MUSIC THEORY

Grades: 10-12 (CHS) 11-12 (LHS, GHS)

Prerequisite: see below*

1.0 credit

This class is for experienced musicians who are interested in a more in-depth study of music theory, and ear training history.

Advanced music knowledge will be developed through classroom lecture, individual projects, and computer technology. Students will compose, arrange, or transcribe a piece of music in the fall. Students will be prepared to take the AP Music Theory exam in the spring.

*CHS: concurrent enrollment in Concert Choir or Symphonic Band

LHS: none

TREBLE CHORUS (SSAA)*

Grade: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: see below

1.0 credit

This chorus is for the vocal range of soprano, second-soprano (mezzo), and alto. Emphasis is placed teamwork and developing skills in vocal technique, sight reading, and music theory. Numerous performing opportunities include required concerts, festivals, and special performances throughout the school year.

*SSAA: soprano 1, soprano 2, alto 1, alto 2

**GHS - No prerequisite

CHS, HHS, LHS - Director approval/audition

TENOR AND BASS CHORUS (TTBB)***Grades: 9-12** (CHS, GHS, HHS, LHS)**Prerequisite: None** **1.0 credit**

This chorus is for the vocal range of tenor 1, tenor 2, baritone, and bass. Emphasis is placed teamwork and developing skills in vocal technique, sight reading, and music theory. Numerous performing opportunities include required concerts, festivals, and special performances throughout the school year.

**TTBB: tenor 1, tenor 2, bass 1 (baritone), bass 2*

CONCERT CHOIR (SATB)***Grades: 10-12** (CHS, GHS, HHS, LHS)**Prerequisite: Director approval/audition** **1.0 credit**

Concert Choir is the high school's premier chorus for experienced choral students who have well developed vocal technique, as well as sight reading and music theory knowledge. Emphasis is placed on teamwork and developing advanced vocal technique and musicianship. A wide variety of choral music is studied and performed at required concerts, festivals, and special performances throughout the school year.

**SATB: soprano, alto, tenor, bass*

VOCAL ENSEMBLE**Grades: 10-12** (CHS, GHS, HHS, LHS, HOA)**Prerequisite: see below*** **1.0 credit**

Vocal Ensemble is a performing ensemble for experienced choral musicians. Contemporary a cappella and advanced choral literature for the small ensemble is studied and performed at required concerts, festivals, and special performances for community organizations throughout the school year.

**Director approval/audition, and concurrently enrolled in Concert Choir*

THEATRE & FILM ARTS**THEATRE FOUNDATIONS****Grades: 9-12** (CHS)**Prerequisite: None** **1.0 credit**

This introductory course exposes students to the fundamentals of theatrical production both onstage and backstage. Students will learn beginning acting techniques while also becoming acquainted with theatrical equipment and the basics of theatrical terminology, history and design. The student will participate in professional practice which may include auditioning or running crew for shows, and attending live performances.

THEATRE 1**Grades: 9-12** (GHS, HHS, LHS)**Prerequisite: None** **1.0 credit**

This introductory course assists in developing confidence and enjoyment while focusing on the fundamentals of acting. Class curriculum includes: pantomime, script writing, improvisation, character research and may include puppets and mask making, as well. Students learn about theatre production through written critique and script analysis.

THEATRE 2**Grades: 10-12** (CHS, GHS, HHS, LHS)**Prerequisite: Successful completion of Theatre 1*** **1.0 credit**

Students will improve on the skills learned in Theatre 1 by engaging in more complex script work with attention to performance theory and historical contexts. This course has mandatory research, writing and performance curriculum.

**GHS - Prerequisites include successful completion of Theatre 1, Film 1, or Communications*

THEATRE 3**Grades: 11-12** (CHS, GHS, HHS, LHS)**Prerequisite: Successful completion of Theatre 2** **1.0 credit**

Students will begin to use methods of acting that work best for them as individuals, with guided exercises grounded in ancient, classic and modern texts and performance theories. Directing theory, including advanced script analysis is incorporated as the student prepares more rigorously for performance. In some cases, the class will offer a production for a portion of their grade.

THEATRE 4**Grade: 12** (CHS, GHS, HHS, LHS)**Prerequisite: Successful completion of Theatre 3** **1.0 credit**

Students continue to study production, direction, acting theory and script analysis with a focus on critical analysis of theatre and its role in society. Student-directed and written one-acts are a significant unit at the advanced level.

TECHNICAL THEATRE PRODUCTION 1**Grades: 9-12** (GHS, HHS) **10-12** (LHS)**Prerequisite: None** **1.0 credit**

This course offers a hands-on approach to becoming acquainted with theatrical equipment, basics of scene, light and sound design. The student will learn and participate in the fundamentals of technical theatre. This may include running crew for shows, set construction, shop and auditorium maintenance.

TECHNICAL THEATRE PRODUCTION 2**Grades: 10-12** (CHS, GHS, HHS) **11-12** (LHS)**Prerequisite: Completion of Tech. Theatre 1** **1.0 credit**

This course builds on the student's skills and abilities learned in Technical Theatre 1. Heavy set construction as well as design is emphasized. Students may "crew" shows, and continue studies in design. Ability and willingness to work cooperatively and independently is expected.

TECHNICAL THEATRE PRODUCTION 3**Grades: 11-12** (CHS, HHS)**Prerequisite: Completion of Tech. Theatre 2** **1.0 credit**

This course builds on the student's skills and abilities learned in Technical Theatre 2 and focuses on theatrical production, design and management. Learn and apply technical theatre skills by taking responsibility for stage management, business management, theatre marketing and public relations, sound design, lighting design, costume design, set design, and theatre marketing for department productions. Students will also investigate technical theatre careers and develop a plan for potential employment or further education.

MUSICAL THEATRE**Grades: 9-12** (HHS)**Prerequisite: Theatre 1 or any choir course** **0.5 credit**

This course integrates music, dance, and theatre to provide training in musical productions. Student learn how to create mood and character through effective use of words, music, dance, movement, and vocal styles. This course culminates in the production of a musical performed for the public.

IB DP THEATRE ARTS SL/IB DP THEATRE ARTS HL1**Grade: SL (12) HL1 (11)** (HHS)**Prerequisite: 2.0 credits of Theatre Arts courses or enrollment in Theatre 3 or Technical Theatre Production 2** **1.0 credit each**

IB Theatre Arts 1 emphasis is on the growth of the individual's understanding of theatre in all its forms and focuses. Students make theatre as well as understand it, not only with their minds, but with their senses, and emotions. Students understand the form theatre takes in cultures other than their own; and through this understanding they better understand themselves, their society, and their world. This course provides students with an opportunity to direct, design, create, and

write, as well as to act. This course prepares students for the Standard Level IB exam.

COMMUNICATIONS

FILM 1

Grades: 10-12 (GHS)

Prerequisite: **1.0 credit**

This course develops fundamental skills for filmmaking, appreciation of film as an art form, and use of technology for the creation of film. Students will watch and analyze films for impact and technique and will work to emulate those techniques using film equipment and editing software. By the end of the course, students will have the skills necessary for creating films and will have an understanding of film as a powerful and important art form.

FILM 2

Grades: 12 (GHS)

Prerequisite: Film 1 **1.0 credit**

This course builds on the skills learned in Film 1 as students create original films using industry standards for pre-production development, filming, and post-production editing. Students will develop story ideas, outlines, story pitches, loglines, character profiles, beat sheets, and screenplays. They will work in teams to complete the pre-production process, including location scouting, moodboards, shot sheets, storyboards, call-sheets, overheads, production design, and script breakdowns with the help of industry software and other tools. They will be a part of the production team for film shooting, alternating roles on set to experience every aspect of filmmaking. Then, they will complete post-production editing and markeng. Films will be shown in a year-end film festival and may be submitted for film competitions.

INFORMATION TECHNOLOGY

CREATIVE COMPUTING

Grades: 9-10 (CHS, GHS, HHS, LHS)

Prerequisite: None **0.5 credit**

Creative Computing (based on the Exploring Computer Science (ECS) curriculum) is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might

be utilized to solve particular problems. The goal of Creative Computing is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will be introduced to topics such as human and computer interaction, web design, programming, and artificial intelligence.

APPLIED COMPUTING

Grades: 9-10 (CHS, GHS, HHS, LHS)

Recommended: Creative Computing **0.5 credit**

Applied Computing (based on the Exploring Computer Science (ECS) curriculum) is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics by expanding upon the topics of Creative Computing within the context of problems that are relevant to the lives of today's students. Students will be introduced to such topics as robotics, problem solving, and computing and data analysis.

FILM

COMPUTER APPLICATIONS

Grades: 9-12 (CHS)

Prerequisite: None **0.5 credit**

Students learn how to utilize a computer as a tool for school work and on the job. Word processing, desktop publishing, spreadsheets, and presentation fundamentals will be covered. This course specifically introduces students to Word, Excel, and PowerPoint, using Microsoft Office.

COMPUTER SCIENCE PRINCIPLES

Grades: 10-12 (HHS)

Prerequisites: see below* **1.0 credit**

This course explores the field of computer science. Students will explore computer architecture, software development engineering, data organization, problem-solving strategies, ethics, and theory of computation. Students will also explore career option and develop rudimentary software development skills. This course is designed to be offered with dual credit from PCC for Computer Science 160: Exploring Computer Science. Skills and concepts learned in this class contribute toward careers such as computer engineering, software engineering, quality assurance engineer, database administration, system administration, system analyst, customer support, web design, and other fields.

** Two semesters of introductory-level programming classes, including Programming 1/2, Game Design 1/2, Robotics 1/2, or Web Design 1/2.*

INTRODUCTION TO COMPUTER SCIENCE

Grades: 11-12 (HHS)

Prerequisite: Computer Science Principles **1.0 credit**

This two-semester class introduces the concepts of Computer Science. In this project-based class, students will explore all aspects of the software development cycle including design, implementation, and testing. Students will learn how to work in a software team using project management strategies such as agile development to plan, track, and manage team projects. Students will develop programs in a high level programming language such as Java or C++, and will explore data types, control structures, and algorithms. This course is designed to be able to be offered with dual credit from PCC for PCC Computer Science 161: Computer Science 1. Skills and concepts learned in this class contribute towards careers such as computer engineering, software engineering, quality assurance engineer, database administration, system administration, system analyst, customer support, web design and other fields.

COMPUTER GAME DESIGN 1

Grades: 9-12 (CHS, HHS)

Prerequisite: CHS - Intro to Digital Technologies, HHS - No prerequisite **0.5 credit**

This class focuses on creating computer games through the use of a game engine, such as Game Maker. Students will learn basic computer coding and computational thinking through a drag-and-drop interface, allowing them to make a variety of different games. These will include platform games (like Mario Bros.), role playing games (like Legend of Zelda), maze games (like Pac-Man), and scrolling shooter games (like Asteroids). The level 1 course covers the basics of game design, and students are primarily working through a drag-and-drop environment with limited exposure to advanced techniques and scripting.

COMPUTER GAME DESIGN 2

Grades: 10-12 (CHS, HHS)

Prerequisite: COMPUTER GAME DESIGN 1 **0.5 credit**

This class focuses on creating computer games through the use of a game engine, such as Game Maker. Students will learn basic

computer coding and computational thinking through a drag-and-drop interface, allowing them to make a variety of different games. These will include platform games (like Mario Bros.), role playing games (like Legend of Zelda), maze games (like Pac-Man), and scrolling shooter games (like Asteroids). The level 2 course expands on concepts of data types and scripting. Students begin working in a 3D environment in the 2nd level course.

COMPUTER GAME DESIGN 3

Grades: 11-12 (CHS)

Prerequisite: COMPUTER GAME DESIGN 3

0.5 credit

This class focuses on creating computer games through the use of a game engine, such as Game Maker. Students will learn basic computer coding and computational thinking through a drag-and-drop interface, allowing them to make a variety of different games. These will include platform games (like Mario Bros.), role playing games (like Legend of Zelda), maze games (like Pac-Man), and scrolling shooter games (like Asteroids). The level 3 course focuses on software engineering and collaboration. Students will work in teams to create a single complex video game using an industry-standard software. The project in this course may qualify for a senior project.

PROGRAMMING 1

Grades: 9-12 (GHS)

10-12 (CHS, LHS)

Prerequisite: None

1.0 credit

This course begins with developing understanding of concepts and skills. No programming experience is required. Students are encouraged to develop a professional approach to programming, which involves solving a problem through careful designing, coding, and documenting of programs. Topics will include variables, expressions, statements, functions, conditionals, recursion, loops, and sequences.

PROGRAMMING 2

Grades: 10-12 (CHS, GHS)

Prerequisite: Programming 1

Optional Fee: \$25/semester

1.0 credit (GHS)

0.5 credit (CHS)

In Programming 2, students will build on skills learned in Programming 1 to attack more advanced programming applications using an industry-standard language. Students will learn more advanced data types such as sequences

and objects, and they will learn to apply various algorithms in new and interesting ways.

PROGRAMMING 3

Grades: 11-12 (CHS, GHS)

Prerequisite: Programming 2 or AP Computer Science A

1.0 credit (GHS)

0.5 credit (CHS)

This course teaches Java abstract data types and advanced sorting algorithms. Students work on a project of their own choosing utilizing a professional IDE such as Eclipse or Net Beans.

AP COMPUTER SCIENCE A

Grades: 11-12 (GHS, LHS)

Prerequisite: Programming 1

1.0 credit

The AP Computer Science A course is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem-solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes object-oriented and imperative problem-solving and design using the Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems.

AP COMPUTER SCIENCE PRINCIPLES

Grades: 10-12 (CHS, GHS, LHS)

Prerequisite: Web Design 1, Creative Computing, or Applied Computing

1.0 credit

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

Dual credit.

WEB DESIGN 1

Grades: 9-11 (CHS, HHS)

Prerequisite: None

0.5 credit

This course focuses on the creation and maintenance of web pages. Students will learn the essentials of HTML and CSS using a text editor and web graphics using Photoshop Creative Suite. Topics include website creation, web page elements, production tools, graphics, layout and design, and animation.

WEB DESIGN 2

Grades: 10-12 (CHS, HHS)

Prerequisite: Web Design 1

0.5 credit

Web Design 2 builds upon concepts and skills learned in Web Design 1.

APPLIED WEB DESIGN

Grades: 11-12 (CHS)

Prerequisite: Web Design 2

0.5 credit

Applied Web Design will continue development of skills using authoring tools to design and maintain web sites. This course introduces the creation of sophisticated, dynamic, interactive websites using modern JavaScript frameworks and advanced tools, concepts, and techniques. Students are also encouraged to drive their own learning by focusing on an independent project. Tools students will apply are Notepad++ and Adobe Creative Suite, among others.

RESEARCH and DEVELOPMENT

Grade: 12 (CHS, HHS, LHS)

Prerequisite: see below*

0.5 credit

This course provides structured guidance for students completing their senior exhibition in a physical science, engineering, or technology. The curriculum is designed for scientific inquiry and is made flexible enough to appeal to a variety of student interests. Students will learn advanced research skills necessary to prepare their senior project in scientific research or technological design. The course combines hands-on activities, demonstrations, group challenge problems, and a long-term student project.

COMMUNICATIONS

COMMUNICATIONS

Grades: 9-12 (CHS, GHS, LHS)

Prerequisite: None

1.0 credit (CHS)
0.5 credit (GHS, LHS)

This is an introductory course designed to help students develop confidence and com-

petence in public speaking. Students will give impromptu, informative, persuasive, and interpretive speeches. Students will learn research skills and effective use of researched information in writing and speaking. Students will also explore and discuss current events. Students are encouraged, but not required, to compete in Speech and Debate tournaments.

CREATIVE WRITING 1

Grades: 9-12 (CHS, HHS), 10-12 (LHS)

Prerequisite: None **0.5 credit**

This course offers students the opportunity to produce various literary forms such as poetry, fiction, personal narratives, and journal writing. Students also learn how to edit and revise.

Does not meet English graduation requirement.

CREATIVE WRITING 2

Grades: 10-12 (CHS, LHS)

Prerequisite: Creative Writing 1 **0.5 credit**

This course is for serious writers who wish to further develop their skills in a particular genre of writing. Independent projects will be student-driven, with a group workshop format to help students revise and revitalize their craft.

Does not meet English graduation requirement.

INTRODUCTION TO ARTS

Grades: 9-12 (LHS)

Prerequisite: None **0.5 credit**

This multidisciplinary, student-centered class is designed to encourage and provide students with the broadest opportunities to explore unexpected creative, intellectual and vocational pathways. The student constructs and demonstrates understanding through an art form (visual, music, dance, writing, performance) that connects two or more art forms and another subject area. The student will compose, choreograph, write and draw or paint, in addition to learning the historical and cultural contexts for these art forms.

INTRODUCTION TO JOURNALISM

Grades: 9-12 (CHS)

Prerequisite: None **0.5 credit**

In this course, students are taught the basics of journalism. Students will learn about the ethics of journalism, interview techniques, how to write factual, clear, and concise articles, basic video and audio editing techniques, script writing, speaking, use of technology, and production of videos. A strong emphasis will be

placed on ethics and deadlines. All technology required for this class will be provided.

BROADCAST JOURNALISM

Grades: 9-12 (LHS)

Prerequisite: None **0.5 credit**

In this course students develop a groundwork in different forms of media, including, writing, videography, broadcasting, and public speaking. Students are taught to develop and expand their reporting, production and storytelling skills in both audio and video. The course will emphasize news-gathering, writing, video recording, editing, and the study of mass media. Students will learn the basic elements of news value and vocabulary specific to broadcast writing. They will also identify various news sources and use interview skills to create stories using video and editing software.

VIDEO PRODUCTION

Grades: 10-12 (LHS)

Prerequisite: Intro. to Journalism **1.0 credit**

Video production students learn to write, direct and produce various forms of videos. Students will learn to produce public service announcements, short documentaries, movie trailers, video montages, music videos, news briefs, and many more types of videos. Students will also have the opportunity to produce videos for Liberty's live TV program, LTV. This course is for creative students who have the ability to work well in a team setting, as well as independently. Students are required to have open availability to attend and film extra-curricular activities for video projects and news gathering purposes.

STUDIO PRODUCTION

Grades: 9-12 (HHS) 11-12 (CHS, LHS)

Prerequisite: Video Prod. (LHS) **1.0 credit**

Students will lead, coordinate, manage, and participate in live television broadcasts, using our in house studio. Students will work effectively as a team, demonstrating creativity and advanced production skills as they recognize, anticipate, and respond to customer needs. Students produce a regular news program.

YEARBOOK STAFF

Grades: 9-12 (LHS)

10-12 (CHS, GHS, HHS)

Prerequisite: see below* **1.0 credit**

This course produces the school's yearbook. In Design, Photoshop and other techniques of yearbook will be taught. Students participate in development of the book with design, writing copy, taking photos. They must be detail-oriented, go to sports events, clubs and other events in and around our school. The staff must be willing to meet deadlines, have a strong work ethic, and act as a responsible group member. All staff must be willing to spend time after school. Students will be responsible for their own transportation to after school events.

Elective only: does not meet English graduation requirement.

** CHS: Journalism, Photography, Graphic Design, Art, or Marketing AND a teacher recommendation required.*

GHS, HHS: application with teacher recommendation. LHS: application with teacher recommendation required. May be on Yearbook staff all four years of high school, but must apply each year.

Business | Culinary

BUSINESS AND MARKETING

PERSONAL FINANCE

Grades: 10-12 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None **0.5 credit**

The purpose of this course is to give the student a working knowledge of everyday business and consumer transactions. Major concepts explored include: employment and income, money management, budgeting, checking and savings accounts, investments, credit (financial planning), consumerism, insurance, and taxation.

ACCOUNTING 1

Grades: 9-12 (HHS) **0.5 credit** (HHS)

10-12 (CHS, GHS) **1.0 credit** (CHS, GHS)

Prerequisite: None

Accounting 1 introduces basic accounting principles and procedures, including the accounting cycle, profit and loss, asset management, payables and receivables, and payroll. Simulated projects give students practice in accounting using an automated computer program. Corporate accounting and special journals are introduced. Career opportunities are explored.

ACCOUNTING 2

Grades: 9-12 (HHS)

11-12 (CHS)

Prerequisite: Accounting 1

0.5 credit (GHS, HHS) **1.0 credit** (CHS)

Accounting 2 gives students a continuation of the basic accounting principles learned in Accounting 1 and the ability to apply these principles to a broader range of experiences. The student will use the computer as a tool for accounting processes, including an automated accounting program. Managerial accounting, cost accounting, and accounting for nonprofit organizations are introduced. This course will prepare students for college-level accounting courses as well as entry-level positions in business.

MARKETING 1

Grades: 9-12 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None

0.5 credit (CHS, HHS, LHS)

1.0 credit (GHS, HOA)

This course offers students the opportunity to develop leadership skills and to plan for careers in marketing, merchandising, and retailing. Topics include success strategies, starting a business, advertising, promotion, merchandising, and business organization.

MARKETING 2

Grades: 10-12 (CHS, GHS, HHS)

Prerequisite: Marketing 1

0.5 credit (GHS, HHS)

1.0 credit (CHS)

Marketing 2 is an advanced study course using the application of concepts through project-based learning activities. Topics include sports and entertainment marketing, marketing functions, market research, management functions, business organization, communications, advertising, and promotion.

MARKETING LAB

Grades: 10-12 (CHS, GHS)

11-12 (HHS, LHS)

Prerequisite: Marketing 1

0.5 credit

The Marketing Lab offers a dynamic program of management functions. Students will participate in the management of a successful business.

HOSPITALITY AND TOURISM

Grades: 9-12 (HOA)

Prerequisite: None

0.5 credit

This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

SPORTS, ENTERTAINMENT & EVENT MARKETING

Grades: 10-12 (CHS, GHS, HHS, LHS)

Prerequisite: Marketing 1

0.5 Credit (GHS, CHS)

1.0 credit (LHS)

This foundation level course gives students exposure to such areas as event planning, event promotions and advertising, and facility and event management. In this course, students will be given the authentic opportunity to plan their own events.

LIBERTY MARKETING & MANAGEMENT, INC.

Grade: 12 (LHS)

Prerequisite: see below*

1.0 credit

This is an advanced application course open to students who are completing Liberty's Media Marketing and Management pathway. Students will have the opportunity to apply skills and knowledge acquired in previous LHS courses to marketing and management opportunities at Liberty High School. Applied learning opportunities may involve operating Liberty's student store and plan, organize and promote LHS athletic, music, or festival events.

*Sports, Entertainment & Event Marketing

MANAGEMENT/BUSINESS SEMINAR

Grades: 11-12 (CHS, GHS) **0.5 credit** (CHS)

Prerequisites: see below* **1.0 credit** (GHS)

This course introduces basic business management concepts, current management theory, and research regarding organizing and managing processes, resources, and people. Changes in management are included, recognizing that society and technology place new demands on business and public enterprises. Business Seminar is designed to guide the business student through the senior project and the completion of the student's portfolio needed for graduation.

*CHS: Marketing 1, Marketing 2

GHS: Accounting 1 and Marketing 1

**IB DP BUSINESS MANAGEMENT SL****Grade: 11-12** (HHS)**Prerequisite: None****1.0 credit**

The Business Management 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. The course covers the key characteristics of business organization and environment, and the business functions of human resource management, finance and accounts, marketing and operations management. Links between the topics are central to the course.

Students can earn dual credit through PCC.

Prerequisites: see below*

This is the culmination course for the Culinary Arts and Hospitality pathway. In this course students will continue to practice food preparation and other skills for the food-service and hospitality industries through hands-on labs. Special emphasis will be on the lodging industry, tourism, and marketing. Students are required to have a current Food Handlers Card in order to fully participate in the class. Experiences are gained by planning and catering events. Culinary competition and other work-related skill competition will be offered.

**Intro to Culinary Arts, Gourmet Foods & Hospitality*



View a video about the culinary arts program at <https://youtu.be/AhpNilMiQyU>

CULINARY ARTS AND HOSPITALITY

INTRO TO CULINARY ARTS**Grades: 9-12** (CHS, LHS)**Prerequisite: None****0.5 credit**

This is the exploratory course for the Culinary Arts and Hospitality pathway. The key components of this introductory course include fundamental cooking skills, the preparation of a wide variety of foods, and nutrition-related issues. Students will compare foods of various nutritional values as well as prepare and study foods from each of the food groups.

CHS: Students will pass the Washington County food handlers test.

GOURMET FOODS & HOSPITALITY**Grades: 11-12** (CHS, LHS)**Prerequisite: Intro to Culinary Arts****1.0 credit**

This is the foundation course for the Culinary Arts and Hospitality pathway. Through hands-on labs, group projects, and mini-catering events, students will gain experience and knowledge in the foodservice and hospitality industries. Students will gain skills in basic food preparation, cost planning and inventory control. Students are required to have a current Food Handlers Card in order to fully participate in the class.

ADVANCED CULINARY ARTS**Grades: 11-12** (LHS)**12** (CHS)**2.0 credits****1.0 credit**

HEALTH SCIENCES

INTRODUCTION TO HEALTH SCIENCE

Grade: 9-10 (LHS, HHS)

9-12 (CHS, GHS)

Prerequisite: None

0.5 credit

This course provides students with the basics for high school success and the concepts leading to a greater understanding of health sciences as well as the professions of health sciences. Students explore concepts related to health care ethics, professions, basic skills of communication, and foundational physiological concepts. Content taught will also help students learn about pathways that lead to applied health occupations. Students will be exposed to careers in health sciences through speakers, job shadow opportunities, service work to better understand the health care needs of our diverse community, and field trips to community colleges, or universities. The course culminates in a health science leadership project and is part of the Health Science career learning area.

HUMAN ANATOMY & PHYSIOLOGY

Grades: 11-12 (CHS, GHS, HHS, HOA)

11 (LHS)

Prerequisite: None

1.0 credit

Anatomy and Physiology is a lab-based study of human structure and function. It is designed for students interested in medical, health, or fitness related careers. The anatomy and physiology of each system is explored through labs, dissections, case studies, and other activities.

At CHS, GHS and LHS, this course is blocked with Health Sciences 1.

HEALTH SCIENCES 1

Grade: 11 (LHS) 11-12 (CHS, GHS, HOA)

Prerequisite: None

1.0 credit

Health Sciences 1 is designed for students interested in medical, health science, or fitness related careers. Curriculum includes First Aid/CPR/AED certification and possible opportunities to explore health science careers through speakers, field trips, job shadows and hospital volunteering. A focus on professional skills is included in daily activities.

At CHS, GHS and LHS, this course is blocked with Anatomy & Physiology.

HEALTH SCIENCES 2

Grade: 12 (CHS, GHS, LHS)

Prerequisite: Health Sciences 1 & Anatomy & Physiology

1.0 credit

This class is for students interested in careers in edis the culmination course for the Health Sciences pathway. This course will focus in greater depth on the body systems and medical terminology. A focus on professional skills, bioethics of healthcare, and post-secondary preparation is included in daily activities. Students are required to complete an experiential learning opportunity in the health science field as well as a service project, a compilation of a body of evidence and a research paper.

Health Occupations: Certified Clinical Medical Assistant

Grade: 12 (CHS)

Prerequisite: Health Science 1 & Anatomy & Physiology

1.0 credit

A certified clinical medical assistant (CCMA) is a medical assistant who has gone further in their career by qualifying for certification. Medical assistants fulfill both clinical and administrative tasks at hospitals, physicians' offices, and other medical settings. In comparison, CCMA responsibilities focus more on the clinical side of these tasks. These may include measuring patients' vital signs, recording their medical histories, preparing examination rooms, disinfecting medical instruments, drawing blood, giving injections, and administering medication. All of this is usually done under the supervision of a physician. You may also work closely with the physician and aid him or her them during patient examinations by acting as another set of hands. Century Health Science is offering this as a one credit course. Students may complete a clinical rotation.

May be taken concurrently with Health Science 2.

HEALTH SCIENCES THEORY

Grade: 10-12 (HOA)

Prerequisite: None

1.0 credit

In this course, students will learn all about the foundations of healthcare from how the

industry works around the world, to the different professions that fall within the field. Students also learn medical terminology and calculations, the difference between diagnostic and therapeutic careers, and the legal and ethical considerations. Additionally, students review key aspects of the broad category of safety as well as learn how to assess and treat patients for an array of injuries. Students learn how to identify emergencies, trauma and complex care, and the basics of CPR and life support. Lastly, they explore the importance of collaborating with other team members to manage and resolve conflicts.

MEDICAL TERMINOLOGY

Grade: 10-12 (HOA)

Prerequisite: None

1.0 credit

Students will learn about different diagnostic technology used and essential body systems and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. They will discover the medical terminology associated with even more body systems to increase their ability to master prefixes, suffixes, and roots. Connect this language to real-world patients and clinical settings through practical applications and specific scenarios.

IB DP SPORTS, EXERCISE, AND HEALTH SCIENCE SL1 & SL2

Grade: SL1 (11) SL2 (12) (HHS)

Prerequisite: None

1.0 credit each

The IB DP Sports, Exercise and Health Science course at standard level (SL) involves the study of the science that underpins physical performance. The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition. Students cover a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. This provides an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyse human performance. Where relevant, the course will address issues of international dimensions and ethics by considering sport,

exercise and health relative to the individual in a global context.

View a student-created video about the health services program at Liberty High School at <https://youtu.be/p-Uz591tgSk>

INTRODUCTION TO BIOSCIENCE 1 TECHNOLOGIES

Grades: 9-12 (HHS)

Prerequisite: None

0.5 credit

Bus transportation is available from other high schools.

Introduction to Bioscience Technologies 1 will focus on teaching students about the wonders of DNA and exposing them to the experiments done by scientists that take advantage of its properties. Throughout the course, an emphasis will be on applying the basic science concepts to the real-world experiments that today's scientists actually use, and giving students the chance to do those experiments. Students will also learn about the myriad of different careers that are out there in bioscience technologies, and explore several DNA-related "current topics" to see how the experiments they've done are used to learn more about the natural world and improve human health.

INTRODUCTION TO BIOSCIENCE 2 TECHNOLOGIES

Grades: 9-12 (HHS)

Prerequisite: Introduction to Bioscience 1

0.5 credit

Bus transportation is available from other high schools.

Introduction to Bioscience Technologies 2 will provide students with a deeper introduction to the world of modern biological research. Students will learn about and discuss the ethical and moral questions invoked by current biological research topics and their impact on society. In addition, students will learn and practice many of the basic laboratory skills used in modern biological research laboratories, including measurement, conversions, preparation of lab solutions, and the concepts and applications of acids and bases.

BIOMANUFACTURING

Grades: 10-12 (HHS)

Prerequisites: Introduction to Bioscience 1 & 2

1.0 credit

Biomanufacturing has two central themes: lab, chemical, and biohazard safety and the development of protein-based pharmaceuti-

cals. First students will conduct activities and projects that simulate those used in bioscience laboratories and manufacturing facilities to ensure a safe and effective environment for those that work in them, as well as their community and environment. Students will also conduct experiments simulating the development, production, purification, and purity assessment of a protein based pharmaceutical. Students will gain experience that can be directly transferred to careers in the local bioscience technologies industry for employment soon after graduation, or further education and skills development in local colleges and universities.

ADVANCED BIOSCIENCE TECHNOLOGIES

Grades: 12 (HHS)

Prerequisite: Intro to Bioscience 1 & 2

1.0 credit

Advanced Bioscience Technologies will serve as the capstone course for the Bioscience Technologies College and Career Pathway. One aspect of the course will provide an overview and analysis of various bioscience technology work environments including research, development, and manufacturing. Development of skills needed for identification and procurement of entry-level positions, education, and training opportunities in the bioscience field will also be covered, including portfolio development and refinement of professionalism, resume writing, and interview skills. Students will conduct their experiential learning opportunity and prepare their senior project presentation as a part of the class, including an extensive research project connected to their internship.

The other aspect of the laboratory-intensive course will focus on the strategies and techniques used to modify DNA as students complete a project to develop a unique recombinant DNA construct in partnership with a local research laboratory.

Public Service & Human Resources

COMMUNITY SERVICE

CCS 1: CIVIC & COMMUNITY SERVICES 1

Grade: 11 (CHS,GHS, LHS)

Prerequisite: None **1.0 credit**

This course is the foundation for the Human Resource pathway. Students will explore five career areas in depth: Education, Aging and the Elderly, Nursing, Service, Social Problems and Solutions. Students will identify and research current issues and participate in community-based projects which will emphasize workplace connections and career opportunities. This course also prepares students for CCS 2 in the senior year.

CHS: Must do 10 service hours outside of class.

CCS 2: CIVIC & COMMUNITY SERVICES 2

Grade: 12 (CHS, GHS, LHS)

Prerequisite: None **1.0 credit**

CCS II is the culmination of the Human Resources pathway. It will continue CCS I's goal of college and career readiness and will focus on community activism. Students will design and implement their senior project during this class. Senior projects could include: a campaign to get a new sidewalk installed near school, organizing a public forum on a voter initiative, or organizing a community service event. In addition, each student will complete an internship related to his or her career interest as well as attend one community meetings that will be completed outside of class. To be eligible for the Human Resources pathway cord, students must earn a B or higher in their CCS 1, CCS 2 and either You & the Law, AP Economics, AP Government, AP Psychology, AP US History, Ethnic Studies or Psychology/Sociology classes, as well as meet the state benchmarks in math, reading, speaking, science and writing.

EARLY CHILDHOOD EDUCATION

CHILD DEVELOPMENT 1

Grades: 9-12 (CHS, GHS, HHS)

10-12 (LHS)

Prerequisite: None

0.5 credit

Child Development 1 will focus on important aspects of human development from prenatal through the toddler years. All aspects of development will be explored including physical, social, emotional, language, and cognitive. Activities and projects will emphasize the understanding of the areas of development. Child Development assists students who are interested in the field of early childhood education, education, health, social services, and family law.

CHILD DEVELOPMENT 2

Grades: 9-12 (CHS, GHS, HHS)

Prerequisite: None **0.5 credit**

This course will review prenatal to infancy, but have an emphasis on Pre-K to 8 years old. Studies include influences on the child, growth and development patterns, and interactions of the child with family and friends. This course prepares the student to enter Child Development 3 where a preschool is conducted and taught by students. CD2 students work as assistants in our preschool program for regular interaction with a preschool buddy. This prepares students to take more of a lead role in Child Development 3, where they will work as student teachers.

CHILD DEVELOPMENT 3

Grades: 10-11 (**CHS, GHS, HHS)

11-12 (CHS) **1.0 credit**

10-12 (HHS) **1.0 credit**

11-12 (LHS) **2.0 credits**

Prerequisites: see below*

This course is for students exploring careers in education, child care, or related social services. Child Development 3 is a year-long course for students to gain the skills and knowledge necessary to work with children ages three to six. Students will play an integral part in running the onsite learning lab Early Childhood Education preschool program by planning lessons, preparing activities, performing observations, and developing introductory job skills related to education.

**CHS, GHS, HHS: Child Development 2 and administrative approval. LHS: Child Development 1.*

*** Child Development 3 available on 10th grade with instructor approval only.*

CHILD DEVELOPMENT 4

Grades: 11-12 (GHS) **12** (CHS, HHS, LHS)

1.0 credit

Prerequisite: see below*

This class is for students interested in careers in education, child care, or related social services. In this year long course students will apply the skills learned in foundational courses including: classroom management, teaching and learning strategies, and lesson planning. Students take on more of an active teaching role while working in the preschool.

** Child Development 3, administrative approval*

INTRODUCTION TO CDA

Grades: 9-11 (LHS)

Prerequisite: None **0.5 credit**

The Introduction to CDA (Child Development Associate certificate) course is to guide students in developing a professional portfolio that speaks to all six of the competencies in early childhood education. This course will be for students who are determined to work in an early childhood setting. Members within our community will be utilized to offer authentic experiences beyond the onsite career-technical preschool. Going off campus will be an integral part of the student's professional development as well as a way to obtain a summer internship.

DAYCARE WORK EXPERIENCE (Nursery)

Grades: 10-12 (CHS)

Prerequisite: Child Development 2, administrator approval **1.0 credit**

This course is designed to assist in the nursery and is available every period of the day. Students new to the program are required to apply for positions in the nursery. Students who have passed Child Development 2 will be given preference for enrollment in this class.

FIRE SCIENCE

INTRODUCTION TO FIRE & EMERGENCY SERVICES

Grades: 10-11 (LHS)

Bus transportation is available from other high schools

Prerequisite: None **1.0 credits**

Introduction to Fire & Emergency Services explores career opportunities and requirements for emergency services responders. Related topics include nomenclature, history, basic chemistry and physics of emergency situations, life safety initiatives, laws, and loss analysis. Students become acquainted with the history, traditions, terminology, organization, and operation of the fire and emergency services industry. Typical job and operation descriptions will provide insight into the inner working of the fire service. Also included is an introduction to fire protection systems, specific fire protection functions, organization and function of the public and private emergency services. This course is the prerequisite to Fire Science 1. It is recommended for students enroll in a weight training class to build and maintain physical strength and conditioning. Dual credit is offered for this course that is equivalent with the following PCC course: FP 101: Principles of Emergency Services (3)

FIRE SCIENCE 1

Grades: 11-12 (LHS)

Prerequisite: Introduction to Fire & Emergency Services **1.0 credits**

Bus transportation is available from other high schools.

Students entering this class should have a strong desire for a career in firefighting or Emergency Medical Service. This course is designed to provide an introduction to a career in today's fire service. Fire department personnel who share their real-life experiences teach this class. This program provides an in-depth look at the three main areas of today's fire service: structural firefighting, wildland firefighting and EMS. Students will learn by interactive lectures, group projects, facility tours and state of the art equipment demonstrations. Learn the key concepts of today's fire service and how they are impacted by society. This course will also cover recruitment and hiring processes, structural firefighting, emergency medical service, wildland firefighting and , history of fire, and complete their BLS certification. It is recommended for students be enroll in a weight training class to build and maintain physical strength and conditioning required of this class and the position of a firefighter. Students must success-

fully complete Fire Science 1 in order to be eligible for Fire Science 2.

FIRE SCIENCE 2

Grade: 12 (LHS)

Prerequisite: Fire Science 1 **2.0 credits***

Bus transportation is available from other high schools.

Year 2 students must have successfully completed Fire Science 1 and interview with the instructor before continuing to the second level. Continuing students should be physically fit with the ability to carry, lift or drag up to 70 lbs., utilize a variety of hand tools, demonstrate skills utilizing ladders, fans, hose streams and SCBAs. Ability to function within a team is desirable. This course is designed to provide a hands-on introduction to a career in today's fire service. This course builds on skills mastered in Fire Science 1. Class will be held at the Hillsboro Fire Training Center most of the year with some topics being covered on campus at Liberty HS. This course studies basic fire fighter safety, equipment, and procedures that are used during fireground operations. Students will learn through interactive lecture, demonstrations, and practical application led by instructors/firefighters from Hillsboro Fire & Rescue. Other areas of study include: understand the importance of physical fitness; utilize a variety of hand tools; demonstrate skills utilizing ladders, fans, hose streams and SCBAs; demonstrate basic search and rescue, extrication, and rope rescue. It is recommended for students to enroll in a weight training class to build and maintain physical strength and conditioning.

Dual credit will be offered for this course that is equivalent to the following PCC course:

FP 133: Wildland Firefighter (3)

INTERPRETING AND TRANSLATION SERVICES

INTERPRETING AND TRANSLATION 1

Grade: 10-12 (CHS)

Prerequisite: Bilingual **1.0 credit**

Students will be introduced to the skills and techniques of interpreting and translation. This course will focus on proper positioning, the ethics of interpreting and vocabulary development. Students will practice interpreting and translation in English and another language in which they are proficient in the educational and medical settings.

INTERPRETING AND TRANSLATION 2

Grade: 10-12 (CHS)

Prerequisite: Bilingual **1.0 credit**

Students will review the skills learned in Interpreting and Translation 1 and continue to develop their language skills and use of technology used for interpreting and translating. Additionally, they will complete post-secondary planning and preparation and build their skills by participating in community service/job experiences.

LEADERSHIP

LEADERSHIP 1

Grades: 9-12 (CHS, GHS, HHS)

0.5 credit

9 (LHS) **1.0 credit**

Prerequisite: None

This course is designed to instruct students in the various methods and techniques for planning, implementing, and evaluating projects related to school activities. Topics include committee organization, goal-setting, decision-making, time management, and all aspects of program planning. Students will focus on leadership skill-building. May be repeated.

LEADERSHIP 2

Grades: 10-12 (GHS, HHS, LHS)

0.5 credit

Prerequisite: Leadership 1*

This course is designed to build upon leadership skills involving planning, implementing and evaluating projects related to school activities. Topics include leading committees, project management and organization, SMART goal setting, time and task management, and all aspects of project and program planning. Students will focus on advanced leadership skill building. May be repeated.

*No Prerequisite for LHS

STUDENT GOVERNMENT

Grades: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: see below* **1.0 credit**

This year-long course is mandatory for all elected and appointed Student Government members. Advanced leadership skills will be reinforced while students plan for, run, and evaluate most of the activities within the school. Community service and school improvement projects are also a part of this class.

**Elected or appointed to a student government office. Required for elected and appointed officers.*

OTHER

COSMETOLOGY

Grades: 9-12 (HOA)

Prerequisite: None

0.5 credit

In Cosmetology, you will learn all about this entertaining field and how specialized equipment and technology are propelling our grooming into the next century. Just like all careers, cosmetology requires certain skills and characteristics, all of which will be thoroughly explored in this course. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments and discover how to create your own business model quickly and efficiently while still looking fabulous, of course.

Students from any high school may forecast for this online course.

TEEN PARENT SUPPORT SEMINAR

Grades: 9-12 (CHS)

Prerequisite: see below*

0.5 credit

This course is designed to assist the school-aged mother or father and pregnant young women. Prenatal information, individual and group guidance, and parenting education are included. Full-time child care is provided on the Century campus.

*Pregnant students or teen parents:

required if teen parent's child is in the nursery.

Early Childhood Education: learn about the Western Oregon University Bilingual Teacher Scholars ("WOU Scholars") program at bit.ly/2qy1kk8

Industrial & Engineering Systems

ENGINEERING & ELECTRONICS

INTRODUCTION TO ENGINEERING DESIGN

Grades: 9-12 (LHS)

Prerequisite: Algebra 1 **0.5 credit (LHS)**

This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using solid modeling computer design software. This course is part of the Project Lead the Way engineering program at Glencoe.

PRINCIPLES OF ENGINEERING

Grades: 10-12 (GHS, LHS)

Prerequisite: (LHS) Intro to Engineering Design **1.0 credit**

This course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. The course also includes concerns about social and political consequences of technological change. This course is part of the Project Lead the Way engineering program at Glencoe.

INTRODUCTION TO DIGITAL TECHNOLOGIES

Grades: 9-10 (CHS)

Prerequisite: None **0.5 credit**

This course introduces students to all the opportunities offered within the digital technologies department. Topics covered include laser cutting, 3-D printing, programming, and computer-aided drafting and design, and web design.

DIGITAL ELECTRONICS

Grades: 9-12 (GHS) Digital Electronics 10-12 (HHS) Digital Electronics 1 (0.5 credit) / Digital Electronics 2 (0.5 credit)

Prerequisite: see below* **1.0 credit**

This course applies logic to the design and construction of electrical circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. This course is part of the Project Lead the Way engineering program at Glencoe. This course is part of the Electronics & Engineering Pathway at Hilhi. Students can earn MT 121 dual credit through PCC.

**HHS: Electronic Technology 1*

ELECTRONIC TECHNOLOGY 1

Grades: 9-12 (HHS)

10-12 (LHS)

Prerequisite: None **0.5 credit**

This course explores direct current electronics and electricity. The use of electronic test equipment, simple circuit building techniques, and analysis are explored. Students will perform hands on problem solving activities and will explore career options in electronics and engineering.

ELECTRONIC TECHNOLOGY 2

Grades: 9-12 (HHS)

Prerequisite: Electronic Technology 1

0.5 credit

This course provides a deeper study of direct current electronics, circuit analysis, use of electronic test equipment, and circuit building techniques. Soldering and simple circuit assembly techniques are explored. Students who wish to pursue a career in engineering or go into a technical field should take this course.

ROBOTICS 1

Grades: 9-12 (GHS, HHS)

Prerequisite: None **0.5 credit**

Students work with robotics and sensors using the LEGO® Mindstorms robotics systems. Various robotic challenges are presented. Students solve problems in teams as well as individually. Inputs, decisions, and outputs are explored with a heavy emphasis on problem-solving from a systems approach.

ROBOTICS 2

Grades: 9-12 (GHS, HHS)

Prerequisite: Robotics 1 **0.5 credit**

This course expands students' understanding of robotics by improving programming and mechanical skills. More activities and complex tasks requiring critical problem-solving are provided. Students learn how to build LEGO® Mindstorms Robots as well as program them to accomplish various challenges and learn to use C-type programming. Students participate in or help with a robotics contest.

ENGINEERING SYSTEMS LAB

Grades: 11 (CHS)

Prerequisite: Drafting 2 **1.0 credit**

A skills based course providing students with the opportunity to learn and apply basic components of engineering in an industrial setting. Computer-based exploration of topics including: mechanics, electronics, pneumatics, hydraulics, CNC machining, quality control, material handling, and programmable logic controls.

ENGINEERING PREP

Grades: 12 (CHS, HHS)

Prerequisite: None **1.0 credit**

Engineering Prep introduces careers in various areas of engineering coordinated with coursework that may include electronics, microelectronics, and civil engineering topics. Students are expected to design and complete required projects, and to participate in a variety of design challenge activities that may lead to competitions. Senior Seminar project will be completed in this course.

ENGINEERING DESIGN & DEVELOPMENT

Grade: 12 (GHS)

Prerequisite: None **1.0 credit**

This is an engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in preceding engineering courses and are

guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year. This course is part of the Project Lead the Way engineering program at Glencoe.

DRAFTING

DRAFTING 1

Grades: 9-12 (GHS, HHS) 0.5-1.0 credit (GHS)
Prerequisite: None 0.5 credit (HHS)

This is a beginning drafting course that introduces students to the basics of computer drafting. Students will become familiar with the AutoCAD Drafting software (industry standard) that will assist them in making all types of drawings using the newest technology in computer drafting. Students will be required to learn the basic concepts of mechanical drafting, how to store drawings in files, and how to print drawings using the plotter and printer. At the conclusion of the course, each student will have a portfolio of his/her drafting assignments.

**PCC credit offered at GHS*

DRAFTING 2

Grades: 9-12 (GHS, HHS) 0.5-1.0 credit (GHS)
Prerequisite: Drafting 1 0.5 (HHS)

This is a second drafting course in the drafting pathway. Students will continue their work using the CAD Drafting software (industry standard). The subject matter will be similar to Drafting 1 but the assignments will be more advanced. At the conclusion of the course, each student will have a portfolio of his/her drafting assignments.

DRAFTING 3

Grades: 10-12 (HHS)
Prerequisite: Drafting 2 0.5 credit

This is a third drafting course in the drafting pathway. Students will continue their work using the AutoDesk software (industry standard). The subject matter will be similar to Drafting 2, but the assignments will be designed and drawn in 3D. Students will use the AutoCAD Inventor software to complete all of their projects. At the conclusion of the course, each student will have a portfolio of his/her drafting assignments.

DRAFTING TECHNOLOGY 1

Grades: 9-12 (CHS) 1.0 credit (CHS)
Prerequisite: None 0.5 credit (LHS)

In this course, students will learn how to make various objects using one or more of the following methods: geometric constructions, multiview drawings, sectioning,

isometric, oblique, perspective and developments. How to dimension a drawing and how to letter properly will be included. Shop processes and occupational information will be included in this class.

DRAFTING TECHNOLOGY 2

Grades: 10-12 (CHS) 1.0 credit
Prerequisite: Drafting Tech 1

Students desiring to follow a career in engineering or drafting should register for this course. Entry-level skills will be obtained for employment in the field. The course of instruction will include advanced multi-view projections, sectioning, pictorial drawings and developments, dimensioning, intersections, gears, welding drawings and symbols, auxiliary views, threads and fastenings, assembly drawings, and lettering

View a video about the drafting technology program at https://youtu.be/IjV_vXYI6Pw

CONSTRUCTION & WOODWORKING

CONSTRUCTION TECHNOLOGY

Grades: 10 (LHS)
Prerequisite: see below* 1.0 credit
Optional Fee: \$30/semester

Inquiry course dealing with basic wood and metal construction and fabrication processes. Topics include basic arc and MIG welding, basic CNC lathe and mill metal machining operations, blueprints, building frame layout, electricity, plumbing, and concrete.

**Engineering Prep, Algebra 1; completion of Geometry is strongly recommended.*

CONSTRUCTION 1

Grades: 10-12 (GHS)
Prerequisite: None 1.0 credit

Construction 1 will use both the classroom setting and job site environment to give students an introduction to the high-demand field of construction and teach them the skills that are necessary to build a house. Over the course of the school year, students will be introduced to all phases of home construction from framing to floor and countertop installation. Students will learn how to safely utilize and operate a variety of tools. Another goal of this course is to embed math instruction into lessons so students understand the importance of the math they learn and the relevance in a real-world work environment. Students will be put in situations where they will have to collaborate and problem solve in order to complete projects.

Different aspects of the course will be taught by industry professionals who have agreed to partner with GHS to provide this type of education for students. Students will learn professional skills like customer service, punctuality, bookkeeping, and construction management.

CONSTRUCTION 2

Grades: 11-12 (GHS)
Prerequisite: Construction 1 1.0 credit

Construction 2 will be the capstone course for the construction pathway. Students must apply to be in this course. In this course, students will plan to create and manage a construction project of choice to donate or sell as a class. Students in this course will be putting to use what they have learned in prerequisite courses. Safety will be a top priority and students will enhance their understanding of the construction process and industry through constructing a home themselves. Their education will be supplemented by industry professionals who will demonstrate how to frame, insulate, sheet-rock, plumb, wire, paint, finish, and landscape a home. They will meet with city and county inspectors, OSHA inspectors, Clean Water Services inspectors, land developers, and real estate agents to enhance their understanding of the many aspects that go into the industry of home construction. Another aspect of this advanced course is that students will gain first-hand knowledge of the skills required to be a construction manager.

SUSTAINABLE DESIGN 1

Grade: 11-12 (LHS)
Prerequisite: Construction Technology 1.0 credit

This course will focus on basic design processes, including planning, prototyping, fabricating, testing, and revising sustainable small structures and devices. Topics will include rationale for sustainable building, drafting, building science, sustainable materials, as well as water and energy efficiency. Sustainable building methods and systems will be introduced in preparation for the capstone course.

SUSTAINABLE DESIGN 2

Grades: 11-12 (LHS)
Prerequisite: Sustainable Design 1 1.0 credit

This course will expand upon concepts explored in Sustainable Design 1, but will focus on the application of sustainable building concepts and further practical skill develop-

ment. This is the capstone course for the Sustainable Design Program of Study.

WOODWORK TECHNOLOGY 1

Grades: 9-12 (GHS)

Prerequisite: None

1.0 credit

Optional Fee: \$25/semester

This course introduces students to the basics of woodworking. Introductory safety, measurement, machine processes, mass production, finishing methods, and furniture and cabinet making will be included. Students will be expected to pay for their personal projects.

WOODWORK TECHNOLOGY 2

Grades: 10-12 (GHS)

Prerequisite: Wood Tech 1

1.0 credit

Optional Fee: \$25/semester

This course will expand and refine learning of Woodworking 1 content. Students will design, develop, and manufacture individual projects. Emphasis will be placed on cabinetry and furniture manufacturing. Students will be expected to pay for their personal projects. An internship component and student project will be required for those students interested in completing their pathway in Manufacturing and Design Technology.

MACHINE WELDING

MACHINE WELDING TECHNOLOGY 1

Grades: 9-12 (GHS)

Prerequisite: None

1.0 credit

Optional Fee: \$25/semester

Bus transportation is available from other high schools for students in grades 10-12.

This course is designed to give students the basic understanding of machine tool operations such as lathes, mills, and drill presses. CNC operations will also be covered. Heavy emphasis is placed on wire feed welding and large fabrication projects. Items such as trailers and aluminum boats will be constructed. *WLD 111 Shielded Metal Arc Welding (PCC)*

MACHINE WELDING TECHNOLOGY 2

Grades: 10-12 (GHS)

Prerequisite: 1.0 Credit of Machine Welding 1

Optional Fee: \$25/semester

1.0 credit

Bus transportation is available from other high schools for students in grades 10-12.

This is an advanced course giving students a greater understanding of CNC operations with heavy emphasis on the applications of machine tools. Wire feed welding and machining

processes will be linked with PCC's articulation credits. A job internship component and student project will be required for those students interested in completing their pathway in Manufacturing & Design Technology.



View a video about the machine welding program at <https://youtu.be/wOJ75NrnjDw>

AEROSPACE

INTRODUCTION TO AEROSPACE

Grades: 10 (LHS)

1.0 credit

Prerequisite: Application to Aerospace Program

This is an introductory course designed to give students a background in the aerospace industry from a multiplicity of cultural and career perspectives and offers students a wide overview of many possible career paths as well as a base of knowledge from which to build in later courses should they wish to continue with their aviation studies on either the Pilot Pathway or the Aviation Mechanic Pathway.

MECHANIC 1: AIRCRAFT APPLIED SCIENCE

Grade: 11 (LHS)

1.0 credit

Prerequisite: Introduction to Aerospace

**Bus transportation is available from other high schools.*

This mechanics-based aerospace course covers aircraft weight and balance procedures and associated record keeping. Students will also learn and have hands-on experience with aircraft drawings, precision measuring tools and some basic principles of physics.

MECHANIC 2: MATERIALS & PROCESSES

Grade: 12 (LHS)

2.0 credit

Prerequisite: Introduction to Aerospace

**Bus transportation is available from other high schools.*

This mechanics-based aerospace course covers several general aircraft maintenance subjects including power tools, shop equipment, aircraft hardware, fluid lines and fittings, non-destructive testing methods, heat treatment, aircraft cleaning, and corrosion control.

PILOT 1A: APPLIED AERODYNAMICS

Grade: 11 (LHS)

0.5 credit

Prerequisite: Introduction to Aerospace

Bus transportation is available from other high schools.

This course introduces aerodynamics through hands-on learning, exploring various con-

cepts & theories relevant to modern aviation. Students will gain first-hand knowledge of the positive and negative effects that various aerodynamic forces have upon both airborne and stationary objects, how those forces are manipulated by pilots, how those forces affect the performance of various airborne and ground based vehicles, the impact that weight distribution can have upon an airborne vehicle's aerodynamic controllability, and how atmospheric conditions also affect the aerodynamic properties of objects.

PILOT 1B: AIRCRAFT SYSTEMS & PERFORMANCE

Grade: 11 (LHS)

0.5 credit

Prerequisite: Applied Aerodynamics

**Bus transportation is available from other high schools.*

Students take an in-depth look at the systems that make manned and unmanned aircraft work. Beginning with aircraft propulsion, students learn about the different types of engines that produce thrust to propel an aircraft or UAS. They move on to key aircraft systems, including fuel, electrical, landing gear, and environmental systems. Students learn about the flight instruments associated with each system and how to identify and troubleshoot common problems. This course also covers airplane flight manuals, the pilot's operating handbook, and required aircraft documents. At the end of the course, students complete a project of designing their own airplane.

PILOT 2: PRIVATE PILOT GROUND

Grade: 12 (LHS)

2.0 credit

Prerequisite: Aircraft Systems & Performance

**Bus transportation is available from other high schools.*

This pilot-based aerospace course covers fundamentals of flight, aeronautical publications, Federal Aviation Regulations, navigation, flight planning, radio procedures, and weather. Presents sufficient knowledge to prepare for the FAA Private Pilot Airplane knowledge test. This course is designed to meet the requirements of Federal Aviation Regulations - 14 CFR Parts 61.103(d) & 61.105(b) or 141 Appendix B (3)(b) for obtaining endorsement for taking the FAA Private Pilot Airplane knowledge test.

AUTOMOTIVE TECH

AUTOMOTIVE TECHNOLOGY 1

Grades: 9-12 (HHS)

Prerequisite: None **0.5 credit**
Optional Fee: \$25/semester

Bus transportation is available from other high schools for students in grades 10-12.

This course is designed for the student who has a desire to learn more about operating and maintaining an automobile. The curriculum focuses on auto shop safety, basic hand tools, basic car maintenance (basic fluid checks, checking tire air pressure, changing a tire, and putting on chains). Students will also learn to change the oil, check and replace brakes, about the cooling system, and an overall understanding of how the vehicle works. Students will disassemble and reassemble an automotive engine to understand how it works. Students explore how to buy a car and shop for insurance. Girls are strongly encouraged to sign up for this course.

AUTOMOTIVE TECHNOLOGY 2

Grades: 10-12 (HHS)
Prerequisite: Auto Tech 1 **0.5 credit**
Optional Fee: \$25/semester

Bus transportation is available from other high schools for students in grades 10-12.

The course focuses on the auto's electrical system. Students diagnose and troubleshoot problems in the electrical system and disassemble and reassemble various components of the starting and charging systems. Students get their own volt ohm meter as part of the class. The class teaches how to use the volt ohm meter and apply it to trouble shooting of the vehicle. This course prepares students to take the Automotive Service Excellence Electrical Certification test.

AUTOMOTIVE TECHNOLOGY 3

Grades: 10-12 (HHS)
Prerequisite: Auto Tech 2 **0.5 credit**
Optional Fee: \$25/semester

Bus transportation is available from other high schools for students in grades 10-12.

This course combines hands-on work with self-paced theory and focuses on engine repair that includes diagnosis techniques for internal engine problems. Students completely disassemble, inspect, and reassemble a small gas engine that has to run. This course also focuses on electrical troubleshooting and enhances student understanding of computerized engine controls. This course prepares the student to take and pass the nationally-recognized Automotive Service Excellence Engine Repair exam.

AUTOMOTIVE TECHNOLOGY 4

Grades: 10-12 (HHS)
Prerequisite: Auto Tech 3 **0.5 credit**
Optional Fee: \$25/semester

Bus transportation is available from other high schools for students in grades 10-12.

This course prepares students to take the Automotive Service Excellence Steering and Suspension test. Students will disassemble and reassemble the front suspension of a vehicle then perform an alignment. Students will also disassemble and reassemble several other steering and suspension components.

AUTOMOTIVE TECHNOLOGY 5

Grades: 11-12 (HHS)
Prerequisite: Auto Tech 4 **0.5 credit**
Optional Fee: \$25/semester

Bus transportation is available from other high schools for students in grades 10-12.

This course allows students to extend their knowledge by learning transmission theory and operation. Students get an opportunity to disassemble/reassemble and study the operation of a manual transmission, as well as an automatic transmission.



View a video about the automotive technology program at Hilli at <https://youtube.com/watch?v=zXaU4NiYa24>

DIESEL MECHANIC

INTRODUCTION TO DIESEL SERVICE TECHNOLOGY

Grades: 9-12 (HHS)
Prerequisite: N/A **0.5 Credit**

Bus transportation is available from other high schools.

This introduction course to Gas and Diesel Engines includes the basics of careers, safety, basic metalworking, general engine maintenance, tool identification, engine systems/parts, electrical basics such as series/parallel circuits and starter/charging systems.

DIESEL SERVICE TECHNOLOGY 1

Grades: 9-12 (HHS)
Prerequisite: Intro to Diesel Service Technology **0.5 Credit**

Bus transportation is available from other high schools.

This course provides students advanced instruction in engine theory and operation with focus on a diesel engine. It provides opportunity to learn fundamentals, basic repair, preventative maintenance, and troubleshooting/diagnosis of common engine faults and concerns.

DIESEL SERVICE TECHNOLOGY 2

Grades: 11-12 (HHS)
Prerequisite: Diesel Service Technology 1 **1.0 Credit**

Bus transportation is available from other high schools.

This course introduces students to the different fuel systems used on a variety of diesel powerplants. It includes basic diagnostics and troubleshooting of diesel performance concerns and preventative maintenance of them.

DIESEL SERVICE TECHNOLOGY 3

Grades: 12 (HHS)
Prerequisite: Diesel Service Technology 2 **1.0 Credit**

Bus transportation is available from other high schools.

Covers basic and advanced electrical theory, electrical components, and proper electric diagnostic procedures. Introduces basic and advanced electrical systems, the use of diagnostic tools, and maintenance. Includes electronic engine controls and multiplexing found on engines by local industry manufacturers.

English Language Development

NEWCOMER ELD

Grade: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: see below*

1.0 credit (CHS, GHS)

2.0 credits (HHS, LHS)

This course is designed to accelerate the acquisition of the English language for students newly arrived to the U.S. school system. Students who have minimal English language proficiency will learn school procedures, introductory vocabulary based on thematic units, and cultural orientation. Selected mainstream classroom content may be covered with supplementary use of the first language in order to clarify concepts and facilitate a rapid transition to English.

**Meets ELPA placement or WMLS-R level 1 placement criteria*

EMERGING 1 ELD

Grade: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: see below* 1.0 credit (CHS, GHS)

2.0 credits (HHS, LHS)

This course is designed for Beginning to Early Intermediate English language learners. Students at this level are able to read and demonstrate comprehension of basic grade-level information with very limited fluency. Some students are able to read and demonstrate comprehension of simple or highly contextualized information with limited fluency. Students are able to speak and write using simple language with limited accuracy and fluency. This course incorporates content specific vocabulary in the teaching of the forms and functions of the English language at the student's proficiency level.

**Meets ELPA placement or WMLS-R levels 1-2 placement criteria*

EMERGING 2 ELD

Grade: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: see below*

1.0 credit

This course is designed for Intermediate English language learners. Students at this level require ongoing instructional support in all content area. They are able to read and demonstrate comprehension of limited grade-level information with significant support. They are able to speak using some complex language and write with simple academic language with some accuracy and fluency. This course incorporates content specific vocabulary in the teaching of the forms and functions of the English language at the student's proficiency level.

**Meets ELPA placement or WMLS-R levels 2, 2.5 placement criteria*

PROGRESSING 3 ELD

Grade: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: see below*

1.0 credit

This course is designed for Early Advanced English language learners. Students at this level

require additional instructional support. They are further developing literacy skills to demonstrate comprehension of some grade-level information with approaching grade-level fluency. They are able to speak with increasingly complex language, and write with some academic language with adequate accuracy and fluency. This course incorporates content specific vocabulary in the teaching of the forms and functions of the English language at the student's proficiency level.

**Meets ELPA placement or WMLS-R levels 2.5, 3 placement criteria*

PROGRESSING 4 ELD

Grade: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: see below*

1.0 credit

This course is designed for Advanced English language learners. Students at this level require minimal instructional support. They are further developing literacy skills to demonstrate comprehension of a range of complex and abstract grade-level information. They are able to speak and write using an extensive range of complex language with level of accuracy and fluency that closely resembles native English speakers.

**Meets ELPA placement or WMLS-R 4, 4.5 placement criteria*

ELD TUTORIAL

Prerequisite: None

Grade: 9-12 (GHS, HHS, LHS)

0.5 credit

The program provides the students with a set of guidelines, learning tools, and academic tutoring which will enable them to become independent learners and make a successful transition into mainstream courses.

Health

★ HEALTH

Grade: 10 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None

1.0 credit

This course covers concepts and skills necessary for attaining and maintaining personal wellness (the combination of physical, mental/ emotional, and social health) throughout one's life. Emphasis is placed on health-promoting behavior as the most effective measure for preventing premature death and disease and leading a fulfilling and productive life.

Concepts covered include: alcohol, tobacco, and other drug prevention; prevention and control of disease; promotion of environmental health; promotion of healthy eating; promotion of mental, social, and emotional health; promotion of physical activity; sexual health; unintentional injury prevention; and violence and suicide prevention.

Skills for accessing information, self management, analyzing influences, interpersonal communication, goal setting, decision-making, and advocacy are taught and/or practiced in a health context to promote lifelong wellness. This class meets the health requirement for both the state and the district, and is aligned to current state standards.

Language Arts

Students are required to take four credits of Language Arts. For those who intend to attend college, advanced courses in language arts are highly recommended to prepare for the rigor of college-level writing. College credit and/or placement beyond introductory coursework may be obtained by successfully completing and testing in an Advanced Placement English course (refer to your college's catalog to determine the test scores that may qualify for college credit).

IB courses are offered at Hilhi only. More information about Language Arts courses are on the following pages.

	REQUIRED	DUAL LANGUAGE PROGRAM	ALTERNATES*			IB PROGRAM
GRADE						
9th	ENGLISH LANGUAGE ARTS 9	SPANISH LANGUAGE ARTS 9	ADVANCED ENGLISH LANGUAGE ARTS 9 (CHS)	*alternates fulfill course/ graduation requirements		ENGLISH LANGUAGE ARTS 9
10th	ENGLISH LANGUAGE ARTS 10	SPANISH LANGUAGE ARTS 10	ADVANCED ENGLISH LANGUAGE ARTS 10 (CHS)			ENGLISH LANGUAGE ARTS 10
11th	ENGLISH LANGUAGE ARTS 11	AP SPANISH LANGUAGE or IB DP SPANISH B HL1	ADVANCED ENGLISH LANGUAGE ARTS 11 (CHS)	AP ENGLISH LITERATURE & COMPOSITION (CHS, GHS)	AP ENGLISH LANGUAGE & COMPOSITION (CHS, GHS, LHS)	IB DP LANGUAGE & LITERATURE SL1 or HL1
12th	ENGLISH LANGUAGE ARTS 12	AP SPANISH LITERATURE or IB DP SPANISH B HL2	COLLEGE PREPATORY ENGLISH (CHS, GHS)	AP ENGLISH LITERATURE & COMPOSITION (CHS, GHS, LHS)	AP ENGLISH LANGUAGE & COMPOSITION (CHS, GHS, LHS)	IB DP LANGUAGE & LITERATURE SL2 or HL2
				HUMANITIES (CHS)	SENIOR INQUIRY (LHS)	

★ ENGLISH LANGUAGE ARTS 9

Grade: 9 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None

1.0 credit

This course is a study of language and literature that explores poetry, prose, drama short fiction, and novels. Students will analyze informational text in relation to the study of literature. Standards-based instruction and assessment in reading, vocabulary, grammar, critical thinking, speaking, listening, and literary response skills, as well as an introduction to academic research, media literacy, and the evaluation of sources, will give students the ability to structure an academic response to a variety of prompts. Academic language and vocabulary is embedded in instruction and formative assessments.

DUAL LANGUAGE PROGRAM (DLP) SPANISH LANGUAGE ARTS 9

Grades: 9 (CHS, GHS, HHS, LHS)

Prerequisite: DLP student

1.0 credit

DLP Spanish Language Arts 1 is a continuation of the Dual Language Program Spanish Language Development coursework. This is a course designed to develop and improve a student's reading, writing, speaking and listening skills. This course offers Spanish-speaking students an opportunity to study Spanish formally, in an academic setting, in the same way that English-speaking students study English Language Arts. The Spanish language arts courses will alternate between Latin American and Spanish literature. This will help students further develop their Spanish language skills, increase ac-

ademic language, gain exposure to important pieces of text and practice cultural awareness. It will expand their bilingual range and will move them beyond basic language development to a broader command of the language.

ADVANCED ENGLISH LANGUAGE ARTS 9 BLOCK/AP HUMAN GEOGRAPHY

Grade: 9 (CHS)

Prerequisite: None

2.0 credits

The advanced block is designed to challenge freshmen in the areas of reading comprehension, analysis, and higher order thinking in English and World Studies. This fast-paced integrated course taught by two teachers fulfills the required 1.0 credit in Social Studies and 1.0 in English Language Arts 9 and is recommended for students who are self-motivated and college bound. Topics in English include: short story elements and analysis, the epic hero, Shakespearean drama various literary genres integrated with World Studies topics, informational text reading strategies, and the development of advanced essay writing skills. Students will explore the required topics in world history using advanced readings and will demonstrate their knowledge through advanced writing, research, discussion, debate, and other activities. Outside reading and writing are a requirement for this class.

ENGLISH LANGUAGE ARTS 10

Grade: 10 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None

1.0 credit

This course is a study of world literature, both classical and contemporary. It builds upon the reading, analysis, critical thinking, listening, speaking, and writing skills taught in English Language Arts 9. Standards-based instruction and assessment will continue to develop students' ability to compare and contrast informational and literary text, and increase their competence with academic research, in order to support a claim or craft a high-level response in different written genres. Academic language and vocabulary is embedded in instruction and formative assessments. Summative assessments are based on the ability to apply this knowledge.

ADVANCED ENGLISH LANGUAGE ARTS 10

Grade: 10 (CHS)

Prerequisite: None

1.0 credit

Fulfills English Language Arts 10 requirement.

This advanced course will be fast-paced and will cover topics in greater depth by incorporating higher-level literature and coursework

as well as several additional texts. Students should be passionate about reading and willing to read and annotate challenging material outside of class, taking notes and rereading difficult passages if needed. Because of the intense focus on writing and rhetoric, student must enter the course able to write an essay longer than five paragraphs independently. Presentation and participation in small group and large group discussions are an essential part of the course.

DUAL LANGUAGE PROGRAM (DLP) SPANISH LANGUAGE ARTS 10

Grades: 10 (CHS, HHS, LHS)

Prerequisite: DLP student

1.0 credit

DLP Spanish Language Arts 2 is a continuation of the Dual Language Program Spanish Language Development coursework. This is a course designed to develop and improve a student's reading, writing, speaking and listening skills. This course offers Spanish-speaking students an opportunity to study Spanish formally, in an academic setting, in the same way that English-speaking students study English Language Arts. The Spanish language arts courses will alternate between Latin American and Spanish literature. This will help students further develop their Spanish language skills, increase academic language, gain exposure to important pieces of text and practice cultural awareness. It will expand their bilingual range and will move them beyond basic language development to a broader command of the language.

ENGLISH LANGUAGE ARTS 11

Grade: 11 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None

1.0 credit

This course will require students to demonstrate understanding of 18th-, 19th- and early 20th-century foundational works of American literature. Building on analysis, critical thinking, speaking, listening, and writing skills, students will continue to make evidence-based claims while comparing multiple pieces of literary, informational, and historical text. Attention will be given to author purpose and the strategies authors employ in their writing. Students will apply this understanding, in multiple genres, to demonstrate how a writer's style contributes to the effectiveness of a selection. Argumentative, expository, and research writing are key instructional areas which will prepare students for college-level writing requirements. Students will be expected to achieve proficiency levels in 11th grade reading and writing standards which expand on the

9-10 academic standard requirements.

ADVANCED ENGLISH LANGUAGE ARTS 11

Grade: 11 (CHS)

Prerequisite: None

1.0 credit

Fulfills English Language Arts 11 requirement.

This course includes a survey of American literature from the Civil War to the present. Students should be motivated readers and able to persist through challenging material (i.e., early American novels such as *The Scarlet Letter*, *Huckleberry Finn*) independently without the help of Sparknotes, rereading difficult passages as needed. Writing assignments are research based and require student to seek information on their own from credible sources and incorporate it using MLA style. Vocabulary work will be intensely focused on preparation for standardized college placement tests (SAT, etc.). Students will be expected to give presentations and actively participate in class discussions and activities. Students must be able to devote at least one hour of homework time for each class session.
CHS: Dual credit opportunity with WOU.

ENGLISH LANGUAGE ARTS 12

Grade: 12 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None

1.0 credit

This course is a study of world literature (including Shakespeare), contemporary non-fiction, and historical documents. Students will analyze and integrate multiple source of information in diverse formats (including media) to make evidence-based claims. Analysis of the connection between literary style and author's purpose will be applied in multiple genres. Critical reading strategies, collaborative discussion skills, effective technology use, as well as argumentative, expository, and research writing, are tailored to create a successful bridge for students from high school to college and career.

Arts and Communication pathway students should enroll in Humanities in lieu of this class.

COLLEGE PREP ENGLISH LANGUAGE ARTS

Grade: 12 (CHS, GHS)

Prerequisite: None

1.0 credit

Fulfills English Language Arts 12 requirement.

The areas of study include British and world literature, with some study in art, philosophy, and history. Instruction in college composition will be an integral part of the course, with emphasis in advanced writing skills in writing, literary analysis, oral communication, and critical reading. Speeches are required.

CHS: Dual credit opportunity with WOU.

HUMANITIES**Grade: 12 (CHS)****Prerequisite: see below* 2.0 credits****Fulfills English Language Arts 12 requirement.**

Humanities is a study of literature integrated with art, music, drama, culture and philosophy readings spanning the development of culture with readings from the Greco-Roman, Medieval, Renaissance, Revolutionary, Modern and Postmodern eras. Students demonstrate understanding through written assignments as well as performance and art. At the end of the course, students will have a strong cultural literacy which will serve them well in their future endeavors. Students can receive writing credit through Portland Community College and Western Oregon University on the basis of a portfolio demonstrating college-level writing skills.

CHS: Dual credit opportunity with WOU.**SENIOR INQUIRY****Grade: 12 (LHS)****Prerequisite: see below* 2.0 credits******Fee: approximately \$900**

All fields of human endeavor change over time. Major changes in perspective—paradigm shifts—can be brought about by technological and scientific advances, historical events and innovative people. Some of these shifts are felt only personally or within a specific discipline, but many have repercussions across fields. As means of travel and communication have improved, cultures and ideas have shifted with increasing frequency.

In this course, we explore the precursors, context and consequences of paradigm shifts that occurred during the late 19th and early 20th centuries. Senior Inquiry requires students to construct their own knowledge and take an active role in their learning, mirroring their growing personal responsibilities outside the classroom. Senior Inquiry provides students with an early college experience in the supported and familiar structure of high school, empowering students to build the skills they need to succeed in the future.

The program is modeled on Portland State University's acclaimed interdisciplinary university studies program, so students who successfully complete the year-long course will earn:

**1.0 Language Arts credit

**0.5 People and Politics Credit

**0.5 Economics Credit

**15 quarter credits from PSU

The PSU credits transfer to most other colleges and universities.

*By application and counselor approval.

**AP ENGLISH LANGUAGE & COMPOSITION****Grades: 11-12 (CHS, GHS, LHS)****Prerequisite: None****1.0 credit**

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

**AP ENGLISH LITERATURE & COMPOSITION****Grades: 11-12 (GHS, LHS)****12 (CHS, LHS)****Prerequisite: None****1.0 credit**

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

**IB DP LANGUAGE & LITERATURE SL1 & SL2*****Grade: 11-12 (HHS)****Prerequisite: None****1.0 credit each**

This language and literature course introduces the critical study and interpretation of written and spoken texts from a wide range of literary and non-literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption.

The course is organized into four parts, each focused on the study of either literary or non-literary texts. Together, the four parts of the course allow the student to explore the English language through its cultural development and use, its media forms and functions, and its literature. Students develop skills of

literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy. Students study works at standard level (SL) from a representative selection of genres, periods and places.

This is a two-year course which meets the junior year and senior year English language arts credit requirements. Students who successfully complete SL 1 and SL 2 will earn two credits.

**This course is offered in both English A and Spanish A. Spanish A is the capstone course for students in the Dual Language Program.*

**IB DP LANGUAGE & LITERATURE* HL1 & HL2****Grade: 11-12 (HHS)****Prerequisite: None****1.0 credit each**

The language A: language and literature course introduces the critical study and interpretation of written and spoken texts from a wide range of literary and non literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption.

The course is organized into four parts, each focused on the study of either literary or non-literary texts. Together, the four parts of the course allow the student to explore the English language through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy. Students study works at the higher level from a representative selection of genres, text types, periods and places.

This is a two-year course which meets the junior year and senior year English language arts credit requirements. Students who successfully complete HL 1 and HL 2 will earn two credits.

**This course is offered in both English A and Spanish A. Spanish A is the capstone course for students in the Dual Language Program.*

STRATEGIC LITERACY**Grades: 9-12 (CHS, GHS)****Prerequisite: None****0.5 credit**

Students who have not met benchmarks in reading and/or writing will be scheduled for this course. Understanding and responding to informational text and literacy is the focus of this class. Comprehension, oral reading fluency, and literacy skills in content areas are stressed.

Elective only: Does not meet English graduation requirement.

CREATIVE WRITING 1**Grades: 9-12** (CHS, HHS)**10-12** (LHS)**Prerequisite: None****0.5 credit**

This course offers students the opportunity to produce various literary forms such as poetry, fiction, personal narratives, and journal writing. Students also learn how to edit and revise.

Elective only: Does not meet English graduation requirement.

CREATIVE WRITING 2**Grades: 10-12** (CHS, LHS)**Prerequisite: Creative Writing 1****0.5 credit**

This course is for serious writers who wish to further develop their skills in a particular genre of writing. Independent projects will be student-driven, with a group workshop format to help students revise and revitalize their craft.

Elective only: Does not meet English graduation requirement.

TOPICS AND ISSUES IN LITERATURE**Grades: 10-12** (GHS)**Prerequisite: None****0.5 credit**

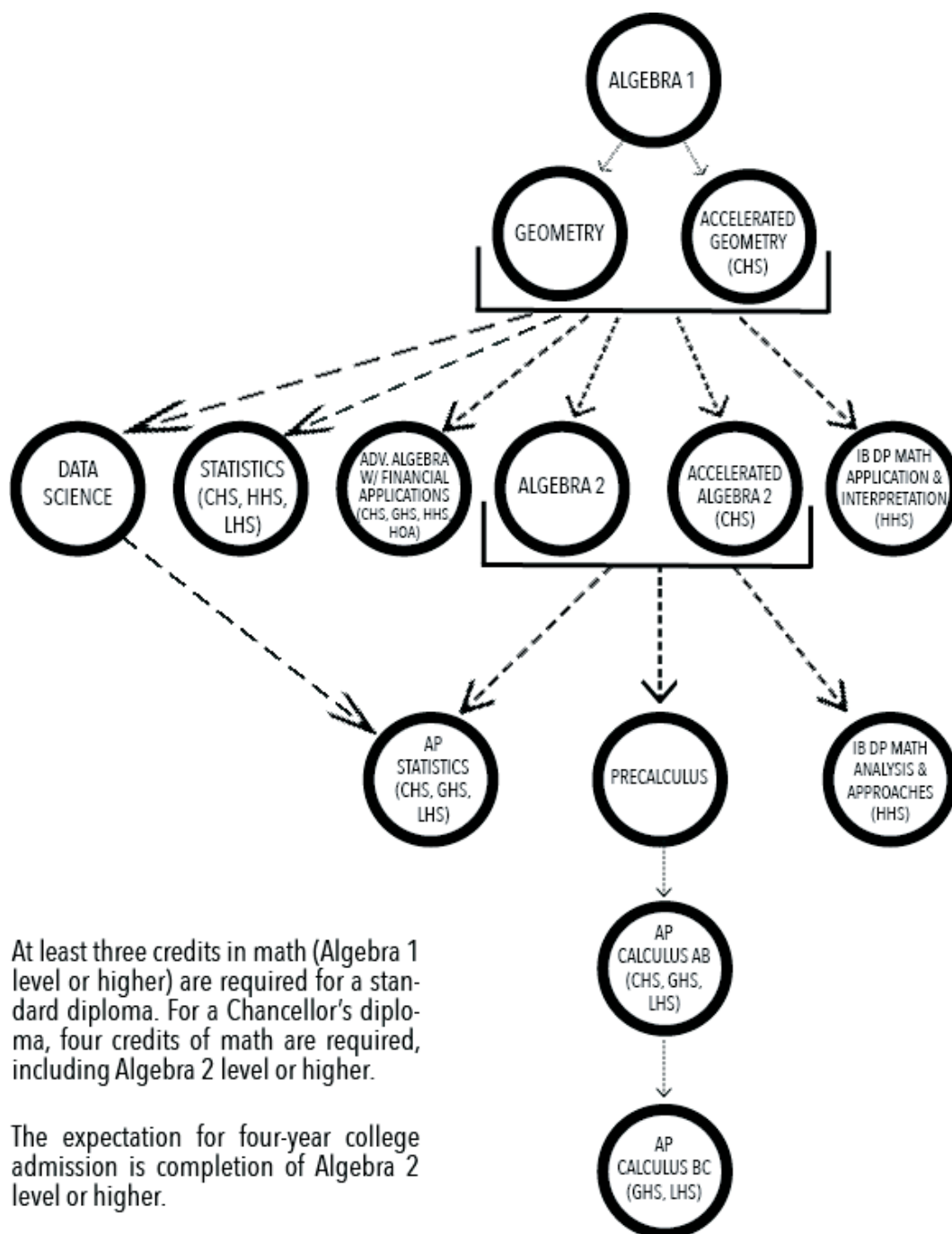
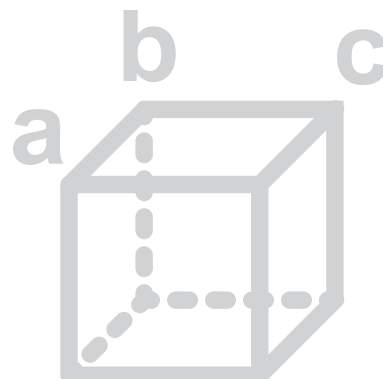
Topics and Issues in Literature will explore the different assumptions that underlie such judgments by examining the methods readers use to grasp, question, and discuss what they read, methods that run the gamut from the complexity of metaphor, imagery, and allusion to the overall thematic message of the work. This course will expect students to read classic and contemporary examples of literature imbued with various cultures, perspectives, and lived experiences. Underpinned by the need to improve students' overall critical analysis, academic discussion, and analytical writing skills, this course will teach students to interrogate the deeper layers of a text, to dissect literature in a sophisticated, college-level fashion, and to concretize their interpretations using textual evidence.

Mathematics

Every student must earn three or more math credits (Algebra 1 level or higher) to graduate and be college-eligible. There are multiple pathways available to students based on their post-high school plans and mastery of course content. For those intending to attend college, advanced courses are highly recommended to prepare for the rigor of college mathematics.

Most math courses have recommended prerequisites to guide appropriate course selection. Students are advised to discuss their math options with their teacher or counselor to select the course(s) and paths that best fit their individual education goals and plans. College credit may be earned by taking AP or IB courses.

IB courses are offered at Hilhi only.



At least three credits in math (Algebra 1 level or higher) are required for a standard diploma. For a Chancellor's diploma, four credits of math are required, including Algebra 2 level or higher.

The expectation for four-year college admission is completion of Algebra 2 level or higher.

ALGEBRA 1**Grades: 9** (CHS, HOA)**9-12** (GHS, HHS, LHS)**Prerequisite: None****1.0 credit**

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The course is based on the Common Core Mathematical Standards for Algebra 1. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students engage in methods for analyzing, solving, and using quadratic functions. The five critical areas of focus are: relationships between quantities and reasoning with equations; linear and exponential relationships; descriptive statistics; expressions and equations; and quadratic functions and modeling. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful and logical subject that makes use of their ability to make sense of problem situations. A scientific calculator is strongly recommended.

ALGEBRA 1 (Everyday)**Grades: 9-12** (CHS)**9** (HHS)**Prerequisite: None****2.0 credits***

This is a full-year, double-credit Algebra 1 course covering all the same content and concepts listed in the course description for Algebra 1. Students meet everyday, rather than every other day, as part of this course allowing for additional time, support, and re-teaching opportunities.

** 1.0 mathematics credit, 1.0 elective credit*

GEOMETRY**Grades: 9-12** (CHS, GHS, HHS, HOA, LHS)**Prerequisite: Algebra 1****1.0 credit**

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The 6 critical areas of focus are: Congruence, proof, and constructions, Similarity, proof, and trigonometry, Extending to three dimensions, Connecting Algebra and Geometry through coordinates, and Circles with & without coordinates. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that stu-

dents experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. A scientific calculator is strongly recommended.

ACCELERATED GEOMETRY**Grades: 9-10** (CHS)**Prerequisite: Algebra 1****1.0 credit**

This rigorous course is the second year of the three-year math sequence. Accelerated Geometry develops logical thinking and reasoning with a richer understanding of practical measurement through the study of plane figures such as triangles, circles, and parallelograms. A component of Accelerated Geometry is proof-writing that requires multi-step thinking. A ruler, compass, protractor, and scientific calculator are strongly recommended.

ADVANCED ALGEBRA WITH FINANCIAL APPLICATIONS**Grade: 11-12** (CHS, GHS, HHS, HOA)**Prerequisite: Algebra 1+Geometry****1.0 credit**

Financial Algebra is an algebra-based, applications-oriented, blended learning course that requires Algebra 1 and Geometry as a prerequisite. The course extends Algebra 1 concepts under seven financial umbrellas: banking; investing and modeling a business; employment and income taxes; automobile ownership; independent living, and retirement planning; and household budgeting. Students use a variety of problem-solving skills and strategies in real-world contexts. A scientific calculator is strongly recommended.

DATA SCIENCE**Grade: 10-12** (CHS, GHS, HHS, LHS)**Prerequisite: Algebra 1+Geometry****1.0 credit**

In this course, students will utilize industry-standard tools in the field of Data Science and Analysis to deepen their knowledge of basic statistics, analyze real world problems, draw conclusions, and communicate their thinking. These tools could include Tableau, Excel, Google Sheets, CODAP, and more. Completion of this course supports subsequent success in all math classes, but specifically scaffolds for success in AP Statistics and AP Computer Science Principles.

ALGEBRA 2**Grades: 10-12** (CHS, GHS, HHS, HOA, LHS)**Prerequisite: Algebra 1+Geometry****1.0 credit**

Building on their work with linear, quadratic,

and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The three critical areas of focus are: polynomial, rational and radical relationships; modeling with functions; and inferences and conclusions from data. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. A scientific calculator is strongly recommended.

ACCELERATED ALGEBRA 2**Grades: 9-11** (CHS)**Prerequisite: Geometry or****1.0 credit****Accelerated Geometry**

This rigorous course is the third course in the three-year classical sequence intended for advanced students with a solid background in algebra and geometry. This course uses functions as models for a number of applied situations. Geometric and algebraic concepts are extended and connected to topics in probability, statistics, and discrete math. Special emphasis of this course is seeing the nature of the change in the world through data analysis, linear, polynomial, exponential, and logarithmic functions. A graphing calculator is used daily and is strongly recommended.

**IB DP MATHEMATICS: APPLICATIONS & INTERPRETATION SL/HL****Grade: 11-12** (HHS)**Prerequisite: Geometry****1.0 credit**

IB DP Mathematics: Applications and Interpretation is designed for students who are interested in a higher-level mathematics course and who may be most interested in pursuing the social sciences, medicine, or business. Most colleges and universities view this course as a replacement for Algebra 2 in a student's schedule. Topics covered include: Algebraic sequences, functions, geometry and trigonometry, statistics and probability, and calculus. The same topics are covered in both SL and HL, and more time is spent on the geometry, functions, trigonometry, and statistics sections in the HL curriculum. The HL version of the course encompasses most of the content taught

in AP Calculus AB and AP Statistics. Students complete a project based on personal research by collecting, analyzing, and interpreting data. Students may choose to take the IB exam for their respective level of the course in May of the completing year. A Texas instruments graphing calculator is required.



IB DP MATHEMATICS: ANALYSIS & APPROACHES SL/HL

Grade: 11-12 (HHS)

Prerequisite: Algebra 2

1.0 credit

IB DP Mathematics: Analysis and Approaches is designed for students who are interested in a higher-level mathematics course and who wish to study mathematics as a subject in its own right or to pursue their interests in areas related to mathematics or engineering. It will appeal to students who are interested in exploring real and abstract applications of mathematical concepts. The course has a strong emphasis on the ability to construct, communicate, and justify correct mathematical arguments. Topics covered include number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. The same topics are covered in both SL and HL, and more time is spent on the geometry, trigonometry, and calculus sections in the HL curriculum. The HL version of the course encompasses much of the content taught in AP Calculus BC. Students complete a project based on personal research by investigating, problem-solving, and modeling an exploration of an area of mathematics. Students may choose to take the IB exam for their respective level of the course in May of the completing year. A Texas instruments graphing calculator is required.

PRE-CALCULUS

Grade: 10-12 (CHS, GHS, LHS, HOA)

Prerequisite: Algebra 2

1.0 credit

Pre-Calculus is a rigorous course which emphasizes a multimodal approach to mathematics with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. This course is focused on the skills and knowledge necessary for the student to successfully continue their mathematics education with Calculus. More specifically, this course will cover and strengthen advanced algebra concepts through greater problem complexity, with a later focus on trigonometry and trigonometric functions. Modeling of data and real-world scenarios is emphasized.



AP CALCULUS AB

Grade: 11-12 (CHS, GHS, LHS)

Prerequisite: Pre-Calculus

1.0 credit

AP Calculus is devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.



AP CALCULUS BC

Grade: 12 (GHS, LHS)

Prerequisite: AP Calculus AB or

Pre-Calculus with teacher approval

1.0 credit

In this rigorous college-level course, students will advance their understanding of calculus by learning and applying concepts and functions graphically, numerically, analytically, and verbally. The course requirements established by The College Board will all be followed, with the ultimate goal being both success on the BC Calculus AP exam as well as a deeper and more enduring understanding of calculus. Topics of this course will include: functions, graphs, and limits; derivatives; integrals; calculus with parametric equations, polar equations, conic sections, and vectors; and polynomial approximations and series. Calculus 1 (AP Calculus AB) are reviewed and enriched, and AP Calculus BC-specific topics are fully covered by this course. A graphing calculator is required.

STATISTICS

Grade: 11-12 (GHS, HHS, LHS)

Prerequisite: None

1.0 credit

This course is designed to provide students with an introduction to the basic essentials of statistics. Topics include finding measure of sentence and spread, creating graphs with one or two variable data sets, and probability concepts. Students will learn the course concepts through hands-on experimentation and investigation. Links between statistics and real-world applications will be demonstrated. A graphing calculator is recommended.



AP STATISTICS

Grade: 9-12 (GHS)

11-12 (CHS, LHS)

Prerequisite: Algebra 2

1.0 credit

The course introduces students to the major

concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. A Texas Instruments graphing calculator is required.

Physical Education

★ **PHYSICAL EDUCATION 1****Grade: 9** (CHS, GHS, HHS, HOA, LHS)**Prerequisite: None****0.5 credit**

This course stresses sportsmanship and desirable social habits. A wide range of activities are available to increase knowledge, skill, understanding, and appreciation of recreational activities and sports. Activities, both aerobic and anaerobic, promote physical fitness, flexibility, strength, and cardiovascular endurance. An academic curriculum content is included.

★ **PHYSICAL EDUCATION 2****Grades: 9-12** (CHS, HOA, HHS)**10-12** (GHS, LHS)**Prerequisite: None****0.5 credit**

Students are encouraged to develop positive personal fitness. Both aerobic and anaerobic activities are included. Students engage in various lifetime carry-over activities through participation in various team sport activities and dual/individual activities presenting opportunity for social development.

PHYSICAL EDUCATION 3**Grades: 10-12** (LHS)**Prerequisite: None****0.5 credit**

This course is for students interested in continuing to improve their personal skills and knowledge. An ongoing fitness program including aerobic and anaerobic conditioning will be incorporated into activities.

This course fulfills PE 1 or PE 2 requirements.

ELECTIVE PHYSICAL EDUCATION**Grades: 9-12** (HOA)**Prerequisite: None****0.5 credit**

Elective PE may be strength training and conditioning, court sports, dance, aerobic fitness or team sports.

Elective PE does not fulfill the PE 1 or PE 2 requirements.

STRENGTH TRAINING & CONDITIONING**Grades: 9-12** (CHS, GHS, LHS*) **10-12** (HHS)**Prerequisite: None****0.5 credit**

This course is recommended for self-motivated students who wish to achieve a high level of physical development through weight training, running, flexibility work, and conditioning. Throughout this course, students will be introduced to, and participate in, the basic elements of developing a weight training program and the proper form and techniques of various lifts. Students will use stretching exercises to increase flexibility speed, agility, and endurance. Students will learn basic anatomy and nutrition as they relate to fitness, and work towards personalized goals.

Does not fulfill the PE 1 or 2 requirements.

** LHS: teacher approval for 9th-grade students*

Grades: 9-12 (CHS, GHS, LHS) **10-12** (HHS)**Prerequisite: see below*****0.5 credit**

This course is a continuation of the Strength Training and Conditioning class. The Advanced class focuses on functional strength training movements and exercises for those students who want to improve their lateral and linear speed, jumping ability, strength, flexibility, and overall explosiveness.

Does not fulfill the PE 1 or 2 requirements.

**GHS, HHS: completion of Strength Training & Conditioning*

CHS, LHS: completion of Strength Training & Conditioning; teacher approval for 9th-grade students

TEAM SPORTS**Grades: 9-12** (GHS)**10-12** (CHSHHS, LHS)**Prerequisite: None****0.5 credit**

This course is recommended for students who want to play a variety of team sports at a more competitive level. Activities may include: fleetball, basketball, volleyball, indoor soccer, team handball, etc. Advanced game skills and strategies, competitive tournaments and refereeing opportunities are provided.

Does not fulfill the PE 1 or 2 requirements.

COURT SPORTS**Grades: 9-12** (CHS, LHS)**Prerequisite: None****0.5 credit**

Court Sports is an elective fitness class which provides students with the opportunity to play sports with less physical contact. Students will participate in activities such as: badminton, volleyball, tennis, and pickleball, etc. Singles and doubles, league play, and tournament play for each sport will allow students an opportunity to explore their single strengths and interests.

Does not fulfill the PE 1 or 2 requirements.

AEROBICS/FITNESS FOR LIFE**Grade: 10-12** (HHS)**Prerequisite: None****0.5 credit**

This course is recommended to students who want to learn a variety of ways to exercise. This class teaches lifelong fitness through a variety of exercises including but not limited to circuit and aerobic training, introduction to weight training, Tae-bo, Pilates, Yoga, stress management/relaxation, and recreational games. This course will teach students how to assess their fitness, establish goals, and prescribe an exercise plan to reach their fitness goals by using training principles in all components of fitness.

Does not fulfill the PE 1 or 2 requirements.

ADVANCED STRENGTH TRAINING

indicates a required class

Unified PE**Grades: 10-12** (CHS, HHS)**Prerequisite: None****0.5 credit**

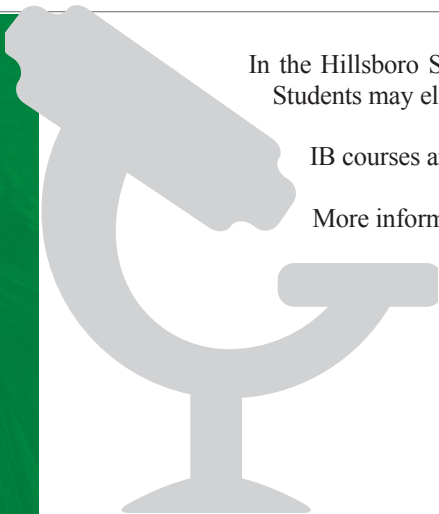
Unified Physical Education is a PE class made up of students with and without disabilities working together to build strong and healthy habits. This class focuses on lifelong fitness, healthy habits and creating respectful bonds with fellow students through active participation, cooperation and teamwork. Students earn .5 general education PE credit during the semester. The major objectives of this class include gross motor skill development, improved physical fitness and developing an understanding for various rules of different games and activities.

ADAPTIVE PE

The Adapted PE class is for students on Individualized Education Plans (IEPs) who have cognitive, physical and/or behavioral disabilities that impact their ability to be successful in the general education PE class. This class focuses on building active and healthy lifestyles through a wide range of activities including soccer, basketball, baseball, Frisbee, bowling and various other games. Adapted PE stresses good sportsmanship, teamwork and lifelong healthy habits.



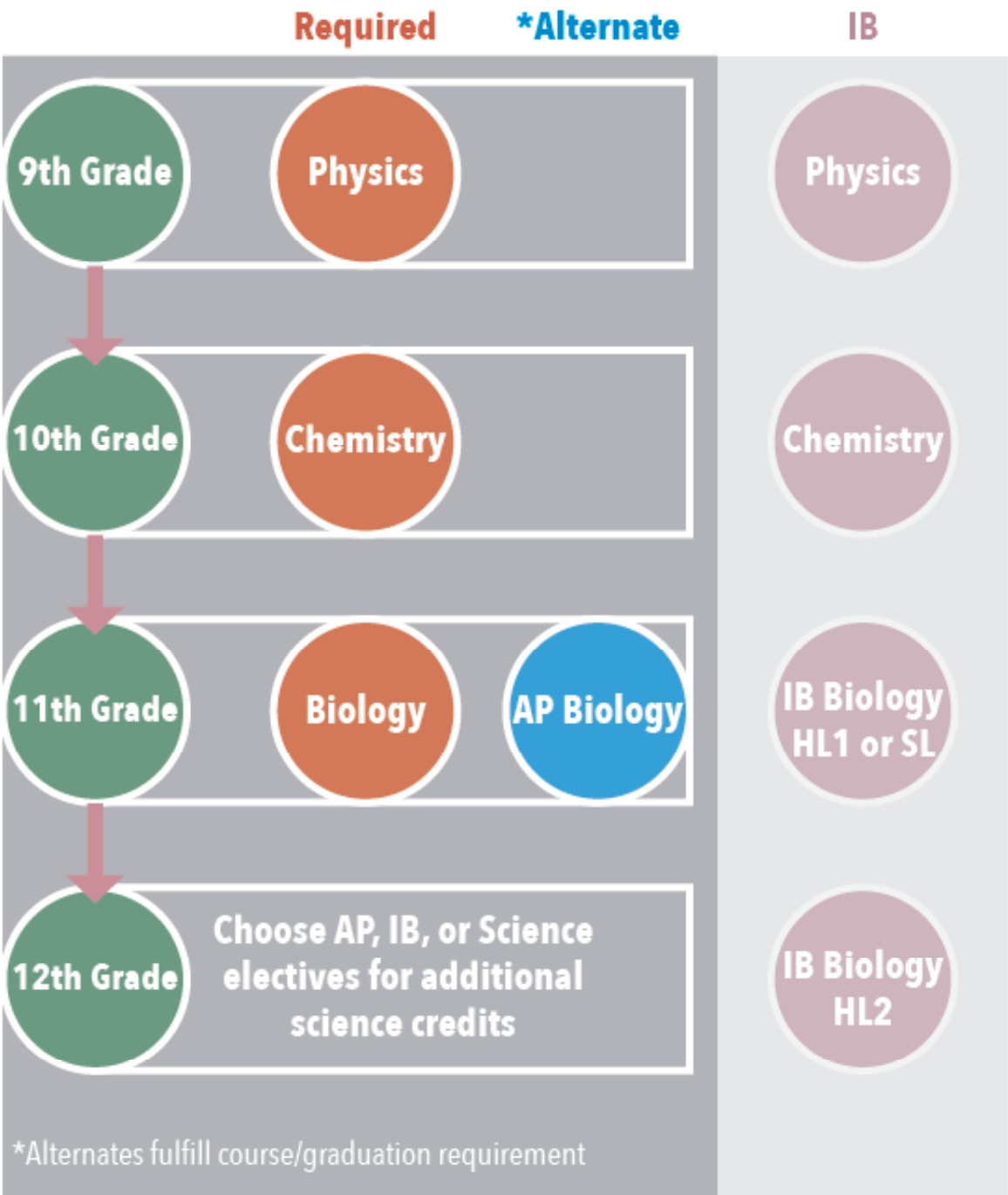
Science



In the Hillsboro School District, physics, chemistry and biology are required courses. Students may elect to take additional science classes for a fourth year of science.

IB courses are offered at Hilhi only.

More information about the courses is on the following pages.



PHYSICS

PHYSICS 1

Grade: 9 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None **1.0 credit**

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

PHYSICS

Grades: 10-12 (HHS)

9-12 (CHS, GHS)

Prerequisite: None **1.0 credit**

Physics explores the laws of the universe, integrating concepts and observations with mathematical descriptions and models of phenomena. Topics include: interaction of forces, interactions of forces and matter, motion, energy, electricity, magnetism, waves, and electromagnetic radiation. Scientific inquiry, experimental design, and analysis through laboratory work are integral parts of this course. Scientific literacy through reading and writing in science are emphasized.

AP PHYSICS 1

Grades: 11-12 (LHS)

Prerequisite: Algebra 2 recommended **1.0 credit**

AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

AP PHYSICS C

(Mechanics, Electricity & Magnetism)

Grades: 11-12 (GHS, LHS)

Prerequisite: Pre-Calculus **1.0 credit**

This course is designed to provide a firm foundation in physics for students intending to emphasize science and engineering in their college or university education. The topics of mechanics, electricity, and magnetism will be

studied in-depth. Laboratory work combines experimental work with mathematical analysis and technical writing. Laboratory experiments are used to both justify and verify mathematical relationships of physical laws. Calculus is utilized throughout the course to explain the workings of the physical universe. The course covers the skills and knowledge for the AP Physics: Mechanics test and the AP Physics: Electricity & Magnetism test.



IB DP PHYSICS SL1 Grade: 11 (HHS)

Prerequisite: Algebra 2 or with teacher approval

1.0 credit

This	IB	DP	Standard
Level	physics		course

exposes students to this most fundamental experimental science, which seeks to explain the universe itself—from the very smallest particles to the vast distances between galaxies. Students develop traditional practical skills and techniques and increase facility in the use of mathematics, the language of physics. They also develop interpersonal skills as well as information and communication technology skills, which are essential in modern scientific endeavors and are important life-enhancing, transferable skills in their own right. Topics covered include kinematics, mechanics including force and motion, projectile and circular motion, gravity and energy. Lab is an essential part of the course.

This course is the first of two courses leading to the Standard Level IB exam.



IB DP PHYSICS SL2

Grade: 12 (HHS)

Prerequisite: IB Physics SL1 **1.0 credit**

IB DP Physics SL2 completes the IB DP Physics SL course. Additional topics include laboratory IB Internal Assessment, error analysis, waves, sound, light, electrostatics, electric circuits, atomic physics, quantum and nuclear physics, and one extended area of study in astrophysics or engineering physics. The Group Four project, "integrating physics with other sciences," will be completed. Students completing the appropriate laboratory activities and the two years of the program requirements are eligible to take the IB Physics SL exam.

ASTRONOMY

Grades: 11-12 (CHS, HOA)

Prerequisite: None **1.0 credit**

Astronomy is the scientific study of the contents of the Universe and all that is in it. This course provides an overview of the main concepts in astronomy and an opportunity to correct common astronomical misconceptions. The content includes, but is not limited to, ancient and modern astronomy, the celestial sphere, light and gravity as astronomical tools, the earth/moon system, the solar system, the life cycles of stars and galaxies. Student will have an opportunity to dig deeper into their individual astronomy-related interests.

Elective course: does not fulfill the laboratory science requirement.

CHEMISTRY

CHEMISTRY

Grades: 10 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None **1.0 credit**

This is a lab-based chemistry course that builds upon and applies skills and knowledge learned in Physics 1. Using science and engineering practices, students will explore the interactions among different forms of energy and matter. Topics covered include: physical properties and changes, Kinetic Molecular Theory and gas laws, periodic table and atoms, nuclear chemistry, bonding, chemical reactions, thermodynamics, kinetics, and equilibrium. An emphasis will be placed on the application of mathematical and computational thinking within the context of chemistry. This course will address all of the Oregon Department of Education chemistry, inquiry and engineering standards. This course is also available in Spanish as a Dual Language Program course at HHS.

ACCELERATED CHEMISTRY

Grades: 10 (CHS, GHS)

Prerequisite: None **1.0 credit**

This course is a college-preparatory course for students interested in engineering, scientific, or medical careers or those who desire a challenging science course. Accelerated Chemistry deals with many of the modern theories of chemistry, including quantum theory, bonding theory, kinetic theory, and acid-base theories. The unifying thread of the course is the development of the atomic model. An approach to solving problems is developed at the beginning of the year and then utilized in different situations throughout the year. This approach is useful in other areas of study and vital in college science studies

Descriptive chemistry is taught through laboratory work and demonstrations.

AP CHEMISTRY

Grades: 11-12 (CHS, GHS, LHS)

Prerequisite: Chemistry and Algebra 2 recommended **1.0 credit**

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Created by the AP Chemistry Development Committee, the course curriculum is compatible with many chemistry courses in

colleges and universities.

BIOLOGICAL SCIENCES

BIOLOGY

Grades: 11 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None **1.0 credit**

Biology is a lab-based science course that integrates science and engineering practices, multidisciplinary concepts and the following core ideas: 1) Ecological Interactions, 2) Biomolecules, 3) Cells and Organisms, 4) Heredity, 5) Evolution, and 6) Nutrient Cycles. Throughout the course, students will focus on patterns, processes, and relationships of living systems. Interactions and interdependence of living systems will be explored through observations, investigations, models, and technology. Scientific and technical literacy is integrated throughout the course.

AP BIOLOGY

Grades: 11-12 (CHS, GHS, LHS, HOA)

Recommended: Biology, Chemistry **1.0 credit**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes energy and communication, genetics, information transfer, ecology, and interactions.

IB DP BIOLOGY SL

Grade: 11-12 (HHS)

Prerequisite: Chemistry **1.0 credit**

This course is a broad and rigorous study of biological concepts. Topics studied include cells, biochemistry, genetics and heredity, evolution, ecology, and human and plant physiology. Laboratory activities are inquiry-based and assist students in developing their skills in designing experiments and analyzing data. Students who successfully complete this course are eligible to take the IB DP Biology SL examinations. This course is part of the Bioscience Pathway.

IB DP BIOLOGY HL1

Grade: 11 (HHS)

Prerequisite: Chemistry **1.0 credit**

This course is an even broader and more rigorous, in-depth study of biological concepts. Topics studied include cells, biochemistry, genetics and heredity. Laboratory activities are inquiry-based and assist students in developing their skills for designing original experiments and analyzing data. This course is the first of two courses leading to the Higher

Level IB exam.

IB DP BIOLOGY HL 2

Grade: 12 (HHS)

Prerequisite: IB DP Biology HL1 **1.0 credit**

This course completes the IB DP Biology HL curriculum. Topics studied in this course include cell energy, human and plant physiology, and ecology. Laboratory activities continue to be inquiry-based and further develop student skills in designing original experiments and analyzing data. Students who successfully complete this course are eligible to take the IB DP Biology HL examinations. Completion of IB DP Biology HL 1 and 2 can yield up to 12 credits at PCC, which will transfer to the Oregon University System.

INTEGRATED SCIENCES

ENVIRONMENTAL SCIENCE

Grades: 11-12 (HHS, HOA, LHS)

Prerequisite: None **1.0 credit**

Environmental Science is an interdisciplinary course focused on the connections between the physical, chemical, and biological systems on earth. Understanding the natural cycling of water, nutrients, and energy is a primary focus of this course. The impact of human behavior as it applies to interactions with the natural world will be explored in detail. Concepts of sustainable and resilient human communities will be integrated into investigations of earth's systems and cycles.

AP ENVIRONMENTAL SCIENCE

Grades: 10-12 (GHS)

Prerequisite: Biology, Chemistry and Algebra 1 **1.0 credit**

The AP Environmental Science course is the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

FORENSIC SCIENCE**Grades: 11-12** (CHS, HOA)**Prerequisite: None****1.0 credit**

Forensic Science looks at the variety of scientific techniques used in the exploration and establishment of facts or evidence from a crime or investigation. This multidisciplinary perspective utilizes skills from many fields of science such as chemistry, biology, geology, criminology, molecular biology, and anthropology. In this course students will learn techniques of collection and analysis to aid in the evaluation of a crime scene or investigation that can include violent crime, environmental hazards, accidents, and/or the establishment of identity and paternity.

Elective course: does not fulfill the laboratory science requirement.



Every student must earn three or more credits in Social Sciences to graduate, including one credit each in World Studies and U.S. History, and 0.5 credit each in People & Politics and Economics (or their AP or IB course alternatives).

IB courses are offered at Hilhi only. More information about the courses is on the following pages.

★ indicates a required class



Social Science



	REQUIRED	ALTERNATES*	IB PROGRAM
GRADE			
9th	WORLD STUDIES	or AP HUMAN GEOGRAPHY (CHS, GHS)	WORLD STUDIES
10th		AP WORLD HISTORY (CHS) or AP EUROPEAN HISTORY (CHS)	U.S. HISTORY
11th	U.S. HISTORY	AP U.S. HISTORY (CHS, GHS, LHS)	IB DP HISTORY OF THE AMERICAS HL1** or IB DP GLOBAL POLITICS SL IB DP THEORY OF KNOWLEDGE 1 & 2
12th	PEOPLE & POLITICS + ECONOMICS	or AP GOVERNMENT (CHS, GHS, LHS) + AP ECONOMICS	IB DP HISTORY OF THE AMERICAS HL2** or IB DP GLOBAL POLITICS SL IB DP THEORY OF KNOWLEDGE 1 & 2 + ECONOMICS

*alternates fulfill course/ graduation requirements

**completion of IB History of the Americas HL1 and HL2 fulfills graduation requirements in Economics and People and Politics

★ WORLD STUDIES

Grade: 9 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None **1.0 credit**

This full-year freshman course is designed to better acquaint students with the study of major world developments, increasing their knowledge of geography and history and how these studies relate to the world today. World Studies will also focus on the development of specific skills such as summarizing, categorizing, synthesizing, and analyzing various types of information. These skills will help students to increase their field-specific reading and writing ability. Students will also be encouraged to develop their speaking skills during informal discussions and formal presentations. This class is structured in a format that will include analysis of primary sources and discussion of this material.

At CHS, this course is blocked with English Language Arts 9.

This course is also available in Spanish as a Dual Language Program course at CHS

AP HUMAN GEOGRAPHY

Grades: 9 (CHS)

9-12 (GHS)

10-12 (LHS)

Prerequisite: None **1.0 credit**

This course can fulfill the World Studies requirement for graduation. The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012).

At CHS, this course is blocked with Advanced English Language Arts 9.

★ U.S. HISTORY

Grades: 10 (HHS)

11 (CHS, GHS, HOA, LHS)

Prerequisite: None **1.0 credit**

This course examines the major themes, events, and people that have influenced American history from 1864 to the present. Events related to the political, economic, and social development of America will be covered in depth throughout the year, with special attention paid to identifying linkages between past and current events. Students in this course

will analyze and discuss a broad variety of problems that have influenced the development of American history, with an emphasis on how evolving norms have influenced the way that we study history. The major goals of this course are to encourage the ongoing development of the skills of historical analysis, synthesis and critical thinking.

AP U.S. HISTORY

Grades: 11-12 (CHS, GHS, LHS)

Prerequisite: None **1.0 credit**

This course fulfills the U.S. History requirement for graduation. The AP U.S. History course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods employed by historians when they study the past. The course offers six historical thinking skills and three reasoning processes to guide students to make connections from past to present in preparation for the AP exam.

**CHS: Dual Credit opportunity with OIT.*

★ ECONOMICS

Grade: 11 (HHS)

12 (CHS, GHS, HOA, LHS)

Prerequisite: None **0.5 credit**

This course examines the principles and concepts of micro and macroeconomics, explores comparative economic systems, and the world economy. Economics also includes a personal finance unit with the goal of individual financial literacy.

AP ECONOMICS

Grade: 12 (CHS)

Prerequisite: None **1.0 credit**

AP Economics addresses both micro- and macroeconomics. AP Microeconomics is the study of how individuals, households, business, and government make economic decisions. Content focuses on the fundamentals of economics: scarcity, opportunity cost, supply and demand, market structures, firms' cost curves, and factor markets. The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to economic systems as a whole. This course places particular emphasis on the study of national income, fiscal and monetary policy, economic performance measures, economic growth, and international economics. Students are required to complete

the entire course to receive the required credit.

★ PEOPLE & POLITICS

Grades: 12 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None **0.5 credit**

People and Politics focuses on how people are involved in the American political process. It examines the historical foundations of the United States, how government is organized and how it functions. Topics include citizen participation, individual rights, political parties, campaigns, and local, state, and national government. Student participation in a variety of classroom and political activities are a strong emphasis of this course.

AP U.S. GOVERNMENT

Grade: 12 (CHS, GHS, LHS)

Prerequisite: None **1.0 credit***

This is a highly-advanced course for accelerated college-bound seniors. The course will explore in depth the institutions, people, and laws that make up the American government. Specific topics will include the three branches of government, political ideology, voting and voting behavior, campaigns, the role that the media plays in a democratic society, and the government's role in the U.S. economy. Extensive reading from a college text and selected historic works will be required. Outside research and writing will be ongoing. Expect thorough discussions, detailed analysis, and complete examination of the U.S. Government from a historical and contemporary point of view. Students who pass the AP exam may receive college credit for the course. The entire course must be completed to receive credit for the People and Politics graduation requirement.

**Credit toward graduation requirements:*

0.5 People & Politics+0.5 Elective

SENIOR INQUIRY

Grade: 12 (LHS)

Prerequisite: see below** **2.0 credits***

Fee: approximately \$900

All fields of human endeavor change over time. Major changes in perspective—paradigm shifts—can be brought about by technological and scientific advances, historical events and innovative people. Some of these shifts are felt only personally or within a specific discipline, but many have repercussions across fields. As means of travel and communication have improved, cultures and ideas have shifted with increasing frequency. In this course, we explore the precursors, context and consequences of paradigm shifts that

occurred during the late nineteenth and early twentieth centuries. Senior Inquiry requires students to construct their own knowledge and take an active role in their learning, mirroring their growing personal responsibilities outside the classroom. Senior Inquiry provides students with an early college experience in the supported and familiar structure of high school, empowering students to build the skills they need to succeed in the future.

The program is modeled on Portland State University's acclaimed interdisciplinary university studies program, so students who successfully complete the year-long course will earn:

- * 1.0 Language Arts credit
- * 0.5 People and Politics credit
- * 0.5 Economics credit
- * 15 quarter credits from PSU

The PSU credits transfer to most other colleges and universities.

***By application and counselor approval.*

YOU & THE LAW

Grades: 10-12 (CHS, HHS, LHS)

Prerequisite: None **0.5 credit**

This course will explore the dimensions of civil and criminal laws, current legal trends, and constitutional interpretations as they apply to individual rights. In addition, students will discover how social class, race, gender, hierarchy, definitions of deviance, and classes of criminal and civil offenses influence what happens to people. Students will learn how people behave and how they relate to those institutions set up to service the public. Mock trials and applications of scientific methodology give this class a "hands-on" approach.



IB DP HISTORY OF THE AMERICAS HL1

Grade: 11 (HHS)

Prerequisite: None **1.0 credit**

IB DP History of the Americas is a comparative and integrated exploration of the relationship of the United States, Canadian, and Latin American histories. Emphasis is placed on a comparative analysis of social, political, and economic issues within the Western Hemisphere with a primary focus on the 19th and 20th Century. The course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge as well as developing an understanding of multiple interpretations of history. It puts a premium on developing the skills of critical thinking.

Topics include: Independence Movements in the Americas, the Mexican Revolution and Civil Rights and Social Movements in the Americas post 1945. Presentation of a formal, independent research project is required and internally assessed. This course is one of the two courses leading to examination in History at the Higher Level.



IB DP HISTORY OF THE AMERICAS HL2

Grade: 12 (HHS)

Prerequisites: IB DP History of the Americas HL1 **1.0 credit**

This is one of the two courses designed to meet the requirements of the IB DP History curriculum and to prepare students for the three externally moderated exams. The course is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. The course emphasizes developing an understanding of multiple interpretations of history. This course focuses on three major themes designated in the IB curriculum: Rights and Protests, Independence Movements, and Emergence and development of democratic states. The course employs case studies in order to have students explore the themes present in 19th and 20th Century history in Asia/Oceania, Africa/Middle East, Europe and the Americas. In addition, the course is specifically designed to build the skills of historians argumentative writing, original research, document analysis and historiography. Presentation of a formal, independent research project is required and internally assessed.

Completion of the two year course, IB DP History of the Americas HL1 and HL2, fulfills graduation requirements in Economics and People and Politics.



IB DP GLOBAL POLITICS SL

Grade: 11-12 (HHS)

Prerequisite: None **1.0 credit**

The 21st century is characterized by rapid change and increasing interconnectedness, impacting people in unprecedented ways and creating complex global political challenges. The study of global politics enables students to critically engage with different and new perspectives and approaches to politics, in order to better make sense of this changing world and their role in it as active citizens. Global politics is an exciting dynamic subject which draws on a variety of disciplines in the

social sciences and humanities, reflecting the complex nature of many contemporary political issues. The course explores fundamental political concepts such as power, equality, sustainability and peace, in a range of contexts. It allows students to develop an understanding of the local, national, international and global dimensions of political activity, as well as allowing them the opportunity to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real world examples and case studies.

Completion of IB DP Global Politics fulfills graduation requirements in People and Politics.



AP WORLD HISTORY

Grade: 10-12 (CHS)

Prerequisite: None **1.0 credit**

In this advanced year-long course, students will study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. Students will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. Skills students will learn include evaluating primary and secondary sources, analyzing the claims, evidence, and reasoning you find in sources, putting historical developments in context and making connections between them, developing a claim or thesis and explaining/supporting it in writing.



AP EUROPEAN HISTORY

Grade: 10-12 (CHS, GHS)

Prerequisite: None **1.0 credit**

This advanced, year-long course, will provide students an opportunity to study European History from the late Middle Ages to the present. Students will study the politics and governments of the major countries and, also, philosophy, art, religion, and society across the ages. Students will be expected to read, write and participate in active discussions and projects. This course is recommended for self-directed and college bound students

PSYCHOLOGY

Grades: 9-12 (GHS)

10-12 (CHS, HHS, LHS, HOA)

Prerequisite: None **0.5 credit**

The emphasis in this course is on the study of human behavior. Why do we act or behave the way we do? The course explores such topics as learning, memory, personality, emotions, and mental illness.

At CHS and LHS, Psychology is blocked with Sociology.

PSYCHOLOGY 2

Grades: 10-12 (HHS, HOA)

Prerequisite: Psychology 0.5 credit

Enrich the quality of your life by learning to understand the actions of others! Topics include the study of memory, intelligence, emotion, health, stress, and personality. This course offers exciting online psychology experiments about the world around us.

AP PSYCHOLOGY

Grade: 10-12 (CHS, GHS, LHS, HOA)

Prerequisite: None 1.0 credit

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, student employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

IB DP PSYCHOLOGY SL

Grade: 11-12 (HHS)

Prerequisite: None 1.0 credit

Students study and critically evaluate the knowledge, concepts, theories and research that have developed the understanding in these fields. The interaction of these approaches to studying psychology forms the basis of a holistic and integrated approach to understanding mental processes and behavior as a complex, dynamic phenomenon, allowing students to appreciate the diversity as well as the commonality between their own behavior and that of others. The contribution and the interaction of the three approaches is understood through the four options in the course, focusing on areas of applied psychology: abnormal psychology, developmental psychology, health psychology, and the psychology of relationships. The options provide an opportunity to take what is learned from the study of the approaches to psychology and apply it to specific lines of inquiry. Psychologists employ a range of research methods,

both qualitative and quantitative, to test their observations and hypotheses. IB DP Psychology promotes an understanding of the various approaches to research and how they are used to critically reflect on the evidence as well as assist in the design, implementation, analysis and evaluation of the students' own investigations. Surrounding the approaches and the options are the overarching themes of research and ethics.

SOCIOLOGY

Grades: 9-12 (HOA)

10-12 (GHS, HHS, LHS)

11-12 (CHS)

Prerequisite: None 0.5 credit

Sociology means the study of society. It is concerned with groups and with actions of individuals within groups. In this course, students pursue an analysis of the nature and structure of society. Students will study the way sociologists perceive society; the process of becoming a social being; the way society is organized; the nature and structure of social institutions; and the study of race relations and gender roles. As a result of this course, it is hoped students will see the need for an understanding of the forces within society and these influences on our behavior.

At CHS and LHS, Sociology is blocked with Psychology.



IB DP THEORY OF KNOWLEDGE (TOK) 1

Grade: 11 (HHS)

Prerequisite: None 1.0 credit

This course is designed to "cap" the International Baccalaureate curriculum by providing students with an opportunity for reflection and intellectual growth. Students examine the philosophy, origins and validity of various forms of knowledge and epistemological problems endemic to the junior and senior level curriculum. The focus of the course is on inquiry and critical thinking and is designed to give students a personal perspective on the discovery and creation of knowledge. Support time for IB Diploma and Honors CCP students completing the Extended Essay and CAS is also embedded into the course.



IB DP THEORY OF KNOWLEDGE (TOK) 2

Grade: 12 (HHS)

Prerequisite: TOK 1 1.0 credit

TOK 2 explores the curriculum in TOK 1 in even greater depth and completes the foundational requirements for both the IB Diploma Core and Honors CCP. Support time for Diploma and Honors CCP students completing

the Extended Essay and CAS is also embedded into the course.

HISTORICAL ISSUES: CONFLICT AND PEACE

Grades: 10-12 (CHS)

Prerequisite: None 0.5 credit

This is an elective course that will examine issues from the 20th and 21st Century. This course is designed to help students evaluate history with a more thoughtful and worldly perspective. Students will evaluate primary sources and conflicting interpretations of history. The course will examine the causes and effects of conflict and war as well efforts to prevent war both past and present.

HISTORICAL ISSUES:

HISTORY OF THE HOLOCAUST

Grades: 10-12 (LHS)

Prerequisite: None 0.5 credit

Introduces the aftermath of World War I and the rise of the Nazis, the historical roots of anti-Semitism, the evolution of the Final Solution and its coordination in Nazi-occupied Europe, the victims of Nazi policies, the camps, the perpetrators, bystanders, and the aftermath of the Holocaust.

HISTORICAL ISSUES: HISTORY OF OREGON

Grades: 10-12 (LHS)

Prerequisite: None 0.5 credit

Examines the rich and diverse history of Oregon including the significance of Oregon's frontier heritage and Oregon's role in American history from pre-European contact to the modern era. Explores economic, political, social, and cultural factors in terms of race, ethnicity, gender, class, and religion.

HISTORICAL ISSUES: ETHNIC STUDIES

Grades: 10-12 (CHS, GHS, HHS, LHS)

Prerequisite: None 0.5 credit

The Ethnic Studies course is designed to give high school students an introduction to the experiences of ethnic communities that are rarely represented in textbooks. It is also a compelling way to examine race, ethnicity, nationality, and culture in the United States. The course equips students with a critical lens to see the world and their place in it by understanding systems and power at the root of American society and has as a goal to motivate students to actively engage in our democracy. Through the Ethnic Studies course, students are supported to discover and use their own power for the benefit of not only

themselves, but also that of their community and society at large.

NATIONAL SECURITY

Grades: 9-12 (HOA)

Prerequisite: None

0.5 credit

Do you know what it takes to keep an entire nation safe? Not only does this effort require knowledge on how to handle disasters, but it demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.

Bus transportation is available from other high schools.

The Criminal Justice Capstone Course is the senior level course required to fulfill CCP requirements for Criminal Justice. It consists of both online and on-site components. The on-site course requirements occur weekly at Hillsboro Online Academy, located at 3rd and Grant. Students may access on-site sessions through the HSD Hub intra-district transportation system or may choose to provide their own transportation.

Students from any high school may forecast for this online course.



View a video about the City of Hillsboro's Youth Invasion, showcasing careers in public service, at <https://youtu.be/cdT0m8WegFc>

CAREERS IN CRIMINAL JUSTICE

Grades: 9-12 (HOA)

Prerequisite: None

1.0 credit

The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system.

Students from any high school may forecast for this online course.

CRIMINOLOGY

Grades: 9-12 (HOA)

Prerequisite: None

1.0 credit

Students will be given the rare opportunity to climb inside the mind of a criminal and examine the ideas and motivations at work. The mental state of a criminal can be affected by many different aspects of life—psychological, biological, sociological—all of which have differing perspectives and influences. Students will investigate how these variables affect the criminal mind and how the criminal justice system remains committed to upholding the law through diligence and an uncompromising process.

CRIMINAL JUSTICE CAPSTONE

Grades: 12 (HOA)

Prerequisite: Careers in Criminal Justice

2.0 credit

World Languages

World Language Proficiency Exam

A student may take a district-approved world language proficiency assessment to receive world language credit. Students who wish to earn a letter grade for the courses passed on the test can take the next level course or complete a portfolio option. Additionally, passing scores of 6 or higher in each domain on the STAMP *or* WordSpeak assessment qualify the student to potentially earn the State Seal of Biliteracy upon graduation. Each school site offers opportunities during the school year for students to take the proficiency exams. For more information, a list of assessed languages, and/or to register for the world language proficiency-based exam, please see your counselor or world language teacher.

AMERICAN SIGN LANGUAGE 1

Grades: 9-12 (HHS, HOA)

Prerequisite: None

1.0 credit

Students acquire the basic language tools and vocabulary of American Sign Language. Students work toward a beginning level of language proficiency in signing, listening, reading, and writing. The history and culture of the deaf community are also explored. ASL1 prepares students to gain the proficiency needed for the second language requirement. This class is conducted in a full immersion format to ensure complete understanding and full application of the techniques.

AMERICAN SIGN LANGUAGE 2

Grades: 9-12 (HHS)

Prerequisite: Demonstrate proficiency at level 1

1.0 credit

In ASL 2, students continue to increase their level of communicative proficiency. There is emphasis on increased vocabulary and on understanding of syntax and grammar of ASL. The history and culture of the deaf community are explored in greater depth. ASL 2 continues to prepare students to gain the proficiency needed for the second language requirement. This class is conducted in a full immersion format to ensure complete understanding and full application of techniques.

FRENCH 1 (CHS, HHS, LHS)

MANDARIN 1 (CHS)

SPANISH 1 (CHS, GHS, HHS, HOA, LHS)

Grades: 9-12

Prerequisite: None

1.0 credit

Students will acquire basic language tools and vocabulary to talk about experiences in the present. Students will work toward a beginning level of language proficiency in speaking, listening, reading, and writing. Cross-cultural understanding is explored.

FRENCH 2 (CHS, HHS, LHS)

SPANISH 2 (CHS, GHS, HHS, HOA, LHS)

Grades: 9-12

Prerequisite: Demonstrate proficiency at level 1

1.0 credit

Students will continue to develop their level of communicative proficiency to expand on past experiences and interests. Students will increase vocabulary and understanding of language structure. Cross-cultural understanding is explored.

FRENCH 3 (CHS, HHS, LHS)

GERMAN 3 (LHS)

SPANISH 3 (CHS, GHS, HHS, HOA, LHS)

Grades: 9-12

Prerequisite: Demonstrate proficiency at level 2

1.0 credit

Students will continue to build reading and writing skills. Student proficiency will increase through oral conversations, skits and real-life simulations. Student will be able to communicate in multiple time frames. Cross-cultural understanding is explored.

FRENCH 4 (CHS, LHS)

GERMAN 4 (LHS)

SPANISH 4 (CHS, GHS, LHS)

Grades: 9-12

Prerequisite: Demonstrate proficiency at level 3

1.0 credit

Students will refine skills in reading, writing, listening, and speaking using real world experiences and authentic resources.

AP SPANISH LANGUAGE

Grades: 9-12 (CHS)

10-12 (GHS, LHS)

Prerequisite: Spanish 4, placement test

1.0 credit

This course is designed to provide authentic real-world application of the Spanish language through speaking, reading, writing, and listening. Students completing this course will have the opportunity to take the Advanced Placement exam in May.

AP SPANISH LITERATURE

Grades: 10-12 (CHS, GHS)

Prerequisite: AP Spanish Language

1.0 credit

This course engages students in the reading and analysis of Spanish literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. Students will consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments require students to analyze and interpret literary works. Students completing this course will have the opportunity to take

the Advanced Placement exam in May.
CHS: Dual credit opportunity with WOU

SPANISH LITERACY 1

Grades: 9-12 (GHS)

Prerequisite: Meets placement criteria **1.0 credit**

Spanish-speaking students will be tested to determine their skill level in Spanish literacy. The class is designed for students who have not mastered reading and writing skills in Spanish. Students will read short stories, write in sentences and paragraphs, and reinforce their pride in culture.

IB LANGUAGE ab initio SL

Grades: 11-12 (HHS)

Prerequisite: None **1.0 credit**

Language ab initio is a language acquisition course designed for students with no prior experience of the target language, or for those students with very limited previous exposure. This course is offered at SL only, and is not accepted by colleges for credit. At the language ab initio level, a student develops receptive, productive and interactive communicative skills. Students learn to communicate in the target language in familiar and unfamiliar contexts. The course will cover five prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Within each theme, students will use personal, professional, and mass media texts to explore a variety of prescribed topics including eating and drinking, festivals and celebrations, media, social issues, and climate. The course culminates with an individual oral assessment.

IB DP SPANISH B SL

IB DP FRENCH B SL

Grades: 11-12 (HHS)

Prerequisite: successful completion of 3rd year **1.0 credit**

This course prepares students for advanced testing at university levels. Students write coherent essays, interact with native speakers in conversation or taped lectures, and speak in a participatory manner. Speaking assignments require students to explain and defend opinions, discuss abstract and concrete topics, and hypothesize on possible future events. Topics vary and include art, politics, science, health, current events, history, and students' own past and present. They also read a variety of texts such as articles, short novels, plays, poetry, and short stories. The course is conducted entirely in the target language. Students

taking this course are eligible for the IB DP Language B SL exam.

IB DP SPANISH B HL1

Grade: 11 (HHS)

Prerequisite: successful completion of 3rd year **1.0 credit**

This demanding course prepares students for advanced testing at university levels. Students write cohesive essays, interact with native speakers in conversation or taped lectures, and speak in a participatory manner. Speaking assignments require students to explain and defend opinions, discuss abstract and concrete topics, and hypothesize on possible future events. Topics vary and include art, politics, science, health, current events, history, and students' own past and present. Students also read a variety of texts such as articles, short novels, plays, poetry, and short stories. The course is conducted entirely in the target language and requires students to be independent, highly motivated, and take initiative for their language goals. This course is the first of the two courses leading to examination in a Second Language at the Higher Level.

IB DP Spanish B HL1 and 2 are the capstone courses for the DLP at Hilhi.

IB DP SPANISH B HL2

Grade: 12 (HHS)

Prerequisite: IB Spanish B HL1 **1.0 credit**

This course prepares students for advanced testing at university levels. Students write cohesive essays, interact with native speakers in conversation or taped lectures, and speak in a participatory manner. Speaking assignments require students to explain and defend opinions, discuss abstract and concrete topics, and hypothesize on possible future events. Topics include art, politics, science, health, current events, history, and students' own past and present. Students also read a variety of texts such as articles, short novels, plays, poetry, and short stories. The course is conducted entirely in the target language and requires students to be independent, highly motivated, and take initiative for their language goals. Students taking this course will be eligible for the IB DP Language B HL exam.

IB DP Spanish B HL1 and 2 are the capstone courses for the DLP at Hilhi.

Learning Resource Center

(placement by IEP team decision)

Specially-designed instruction related to students' Individual Education Programs (IEPs) occurs in Learning Resource Center (LRC) classes and/or general education classes. While the district course catalog includes all course offerings, specific courses may not be offered across high schools. IEP teams will determine appropriate course placement based on course offerings at individual buildings. ***Placement criteria for all LRC classes is by IEP team decision.***

ELA SUPPORT 9

Grade: 9

Credit: 1.0 Elective Credit

This course is taken concurrently with ELA 9. Designed to pre-teach and reteach core standards in the general education classrooms.

ELA SUPPORT 10

Grade: 10

Credit: 1.0 Elective Credit

This course is taken concurrently with ELA 10. Designed to pre-teach and reteach core standards in the general education classrooms.

ELA SUPPORT 11-12

Grade: 11-12

Credit: 1.0 Elective Credit

This course is taken concurrently with ELA 11 and 12. Designed to pre-teach and reteach core standards in the general education classrooms.

SUPPORT FOR CORE CONTENT 9

Grade: 9

Credit: 1.0 Elective credit

This course is designed to be taken concurrently with 9th grade general education courses like English language arts, social studies and science. The syllabus will be aligned with the concurrent standards-based general education course. Support, direct instruction, organizational strategies, and guided practice in the areas of writing, comprehension of informational and literary text, research, and technical writing will be provided.

SUPPORT FOR CORE CONTENT 10

Grade: 10

Credit: 1.0 Elective credit

This course is designed to be taken concurrently with 10th grade general education courses like English language arts, social studies and science. The syllabus will be aligned with the concurrent standards-based general education course. Support, direct instruction, organizational strategies, and guided practice in the areas of writing, comprehension of informational and literary text, research, and technical writing will be provided.

SUPPORT FOR CORE CONTENT 11

Grade: 11

Credit: 1.0 Elective credit

This course is designed to be taken concurrently with 11th grade general education courses like English language arts, social studies and science. The syllabus will be aligned with the concurrent standards-based general education course. Support, direct instruction, organizational strategies, and guided practice in the areas of writing, comprehension of informational and literary text, research, and technical writing will be provided.

SUPPORT FOR CORE CONTENT 12

Grades: 12

Credit: 1.0 Elective credit

This course is designed to be taken concurrently with 12th grade general education courses like English language arts, social studies and science. The syllabus will be aligned with the concurrent standards-based general education course. Support, direct instruction, organizational strategies, and guided practice in the areas of writing, comprehension of informational and literary text, research, and technical writing will be provided.

SUPPORT FOR ORGANIZING AND STUDYING

Grade(s): Suggested for 9-12

Credit: 1.0 Elective credit

This course is designed to teach and develop access skills needed for general education success. These may include but are not limited to: organization, note-taking, test preparation, academic discourse, critical thinking, close reading, self-advocacy, vocabulary development, interpersonal communication, and academic writing.

MATH SUPPORT: ALGEBRA 1

Grades: 9-10

Credit: 1.0 Elective credit

This course is designed as a support class to be taken concurrently with Algebra I. The syllabus will be aligned with the concurrent Algebra I course. It will provide additional direct instruction and guided practice with math concepts. Study skills relevant to math will be taught.

MATH SUPPORT: GEOMETRY

Grades: 10-11

Credit: 1.0 Elective credit

This course is designed as a support class to be taken concurrently with Geometry. The syllabus will be aligned with the concurrent Geometry course. It will provide additional direct instruction and guided practice with math concepts. Study skills relevant to math will be taught.

MATH SUPPORT: ALGEBRA 2**Grades: 11-12****Credit: 1.0** Elective credit

This course is designed as a support class to be taken concurrently with an Algebra 2 course. The syllabus will be aligned with the concurrent Algebra 2 course. It will provide additional direct instruction and guided practice with math concepts. Study skills relevant to math will be taught.

WORK EXPERIENCE**Grades: 10-12** (GHS, HHS, LHS)**Credit: 0.5** Elective credit (repeatable)

This course is designed for students who need a continuum of instruction in work-related skills. On and off-campus work experiences are designed to develop work habits and work communication skills. Students will learn what is expected in a work setting in a hands-on environment.

FOUNDATIONS FOR THE FUTURE**Grades: 9-10****Credit: 0.5** Elective credit

This course is designed for students who need to learn about problem-solving, self-advocacy, goal setting and personal awareness to become more successful students. In the units, students will gain knowledge of their strengths and weaknesses, personal disability, and how to speak up for themselves in a school setting. Students will practice developing communication and decision making skills.

INTRODUCTION TO CAREERS**Grade: 10-11** (GHS, HHS)**11** (CHS)**Credit: 0.5** Elective credit

This course is designed for students who need to assess skills and interests, explore career options, and learn how to develop a plan to achieve their post-high school goals. In the units, students will complete career interest inventories and explore careers and entry level requirements through a variety of activities.

CONNECTIONS TO COLLEGE**Grade: 12** (GHS, HHS)**11-12** (CHS)**Credit: 0.5** Elective credit

Students enrolled in this course will be pursuing post-secondary educational opportunities. They will learn about general and specific college requirements and processes, the differences between high school and college, how the law changes from high school to adult settings (IDEA vs. ADA), and how to access college disability services. Students will take a field trip to PCC.

CONNECTIONS TO CAREERS**Grade: 12****Credit: 0.5** Elective credit

This course is designed for students who need to develop knowledge and skills required for successful employment. Students will look how and where to find job openings and develop the skills necessary to get and keep a job.

Additional Educational Options

★ SENIOR SEMINAR Grade: 12 (CHS, GHS, HHS, HOA, LHS) Prerequisite: None 0.5 credit

Each Hillsboro School District high school senior is required to complete a senior project in order to graduate. The requirements for these projects are set by the District and the Oregon Department of Education. Students enrolled in a senior-level course in a career learning area have an opportunity to work on these senior projects in that course. Senior Seminar is a required course for all other seniors. Senior Seminar provides students the opportunity and support to design and implement their senior project. The project will represent the interests, knowledge, and skills they have gained in high school and their visions for their future education and work. Components of the project include the project proposal, conducting research, writing a paper, and a presentation of the completed project. Students will also assemble a portfolio of their graduation requirements, letters of commendation and recommendation, transcripts, and other documents which can be used when applying to college or for a job.

COMMUNITY SERVICE LEARNING ELECTIVE: Local Business/Organization

Grade: 9-12 (CHS, GHS, HHS, LHS, HOA)

Prerequisite: Application and counselor approval 0.5 credit*

This semester course is designed to engage our youth in a meaningful internship placement that closely parallels a student's career pathway interest. This course introduces students to many of the main tasks and functions of a particular career or organization. Working in conjunction with a local business, corporation or non-profit, students will support projects related to the agency's primary work. The course will serve the purpose of developing leadership, problem-solving and practical skills related to the world of work. The internship experience and skills gained in this course will benefit students by developing college and career readiness skills as well as developing their civic skills as citizens in their community working with local businesses and agencies. Students interested in taking this course must see counselor for application. Approval is required prior to enrollment. In order to earn the 0.5 credit, students must complete 65 hours.

The course is Satisfactory/Unsatisfactory.

**Limit of 1.0 credit earned per year*

COMMUNITY SERVICE LEARNING ELECTIVE: Sports Medicine/Physical Education

Grades: 9-12 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: Application and counselor approval 0.5 credit

Students must be able to travel to the HOA gymnasium, 452 NE Third Avenue, Hillsboro.

This semester course will provide students an internship placement specific to K-12 physical education. The internship experience and skills gained in this course will benefit students by developing college and career readiness skills as well as developing their knowledge and skills in the field of physical education. Students in-

terested in taking this course must see their counselor for an application. Approval is required prior to enrollment. *The course is Satisfactory/Unsatisfactory.*

COMMUNITY SERVICE LEARNING ELECTIVE: Sports Marketing and Event Management

Grades: 10-12 (CHS)

Prerequisite: Application and counselor approval 0.5 credit

This course is the practical application of the primary tasks and functions associated with coordinating sporting events. Students will work in conjunction with the athletic department, and the business and marketing department to develop leadership, organizational, problem solving, advertising and practical skills associated with the world of work. Students in the course will be directly involved in the set-up, break-down, and execution and promotion of the various events that run throughout the term. Students interested in taking this course must see a counselor for application. Approval is required prior to enrollment. In order to earn the 0.5 credit, students must complete 40 hours. *The course is Satisfactory/Unsatisfactory.*

**Limit of 1.0 credit earned per year*

STUDENT AIDE

Grades: 9-12 (CHS)

10-12 (GHS)

11-12 (HHS, LHS)

Prerequisite: see below* 0.5 credit

Student aides become involved in a variety of learning experiences either on or off campus. Students may work with and assist teachers in a variety of ways, work in counseling, attendance and administration offices, assist in the library or bookstore, and in many other capacities on the campus.

Satisfactory/unsatisfactory grading.

**One student aide course per semester, staff approval*

AIDE/PEER TUTOR

Grades: 10-12 (HOA)

11-12 (HHS)

Prerequisite: None 0.5 credit

Students may apply to be a student aide or mentor at a district elementary school or other district program. Specifics of the aide/mentor position will be determined by the administrations of HOA and of the school or program the student is placed in. Examples may include: academic assistance to struggling students, class assistant in a special needs classroom or playground/physical education assistant.

NAVIGATING ADULTHOOD

Grades: 11-12 (CHS, GHS, HHS, HOA, LHS)

Prerequisite: None 0.5 credit

This course will help students to prepare for life after high school by learning the things adults need to know to navigate life successfully. Topics will include financial responsibilities, professional skills, civic responsibility, understanding the diverse world we live in, interacting in a digital era, and balancing life responsibilities.

AVID

Grades: 9-12 (CHS, GHS, HHS, LHS)

Prerequisite: see below* **1.0 credit**

AVID is an in-school academic support program for grades 9-12 that prepares students for four-year college and university eligibility and success. AVID targets students in the academic middle. AVID students must commit to enrollment in a rigorous college preparatory sequence of courses. Students will learn and apply study skills and learning strategies to improve performance in their other classes. Note taking, outlining, writing, speaking, reading, test strategies and self-awareness are stressed, including college research activities and SAT and ACT test preparation. Students will be coached individually and in study groups by specially trained tutors. AVID's systematic approach increases students' chance for success in four-year colleges while supporting schoolwide and districtwide learning and performance goals.

**Students must apply and be interviewed before being accepted to this course.*

AVID TUTOR

Grades: 11-12 (CHS, GHS, HHS, LHS)

Prerequisite: see below* **0.5 credit**

The AVID tutor takes an active part in developing the academic and personal strengths of students in the AVID Elective, a college preparatory course. AVID Tutors will be trained in WICOR (writing, inquiry, collaboration, organization, reading) strategies and the ten steps of the tutorial process. Tutors will facilitate small group tutorials where they need not be experts in all subjects, but instead be active learners. Additionally, tutors will assist AVID students with Cornell notes, binder checks, tutorial requests forms, planners, and the successful completion of college eligibility requirements under the supervision of the AVID elective teacher. AVID tutors are expected to serve as positive role models and mentors to students in the AVID elective. May be repeated.

**Students must apply and be approved before enrolling in this course.*

PEER TUTOR

Grades: 11-12 (GHS, HHS, LHS)

0.5-1.0 credit

Peer tutors are students who have demonstrated proficiency at high levels in or across subject areas. They work one-on-one or in groups with students in the classroom or during tutoring sessions. Peer tutors must be highly responsible and have a desire to help others learn.

ACADEMIC OPTIONS

Grade: 11-12 (CHS, GHS, HHS, LHS, HOA)

(12th-graders take precedence if space is limited)

Prerequisite: Counselor recommendation

Academic Options provides an opportunity for students to recover credit for a failed course that is required for graduation. This course uses an online learning program as a tool for individualized instruction to recoup learning standards not mastered in the original class. This program also offers academic support for students in their current course load outside of Academic Options.

OFF-CAMPUS SUPPLEMENTAL OPPORTUNITIES

EXPANDED OPTIONS

Grades: 10-12

Prerequisite: see below* **credit varies**

Expanded Options provides an opportunity to attend college level classes if a student needs a core/required course at a level not provided at their school or within the district while still in high school with tuition paid by the District. Additionally, Expanded Options could be utilized if a student is interested in a career and college pathway program that is not available to them within the district. There is a limit to the number of credits the District can provide and participation priority is given to students who qualify for the free and reduced-priced meal program. Students must be accepted by an eligible public post-secondary Oregon institution and follow a learning plan agreed upon by the student, staff, and parents to reflect the student's goals. Students must be 16 or older at the time they begin the course.

**Appropriate HS prerequisites; parent, counselor and administrator approval. Space is subject to availability.*

Additional Information & Resources

ACADEMIC & ACTIVITY FEES

It is the philosophy of Hillsboro School District that no student be denied the opportunity to participate in any phase of the curriculum because of financial hardship. The district will provide necessary materials free of charge to any student whose parents indicate that the costs entailed would represent a financial hardship to the family.

Arrangements should be worked out through the school's bookkeeper, rather than the teacher or coach whose class or activity is involved

Description	CHS, GHS, HHS, LHS
Required Fees	
ASB (required for students involved in a school-sanctioned activity/sport)	\$20
Activity fee* • Band - marching • Cheerleading • Color guard • Dance team	\$150*
Athletic participation fee*	\$200*
AP Exam Fees	Students do not have to register for AP exams to take AP courses, however if they do choose to take an exam there is an associated fee.
IB Exam Fees	Student do not have to register for the exams to take the IB courses, however, IB exam fees are waived for all Hillsboro High School students due to the school's participation in the Community Eligibility Provision (CEP)
Parking permit	\$30 per year, fees for additional stickers
Yearbook	Varies

** per student per sport/activity, up to a maximum of \$400 per student; maximum \$800 per family for level 1 sports. Level 1 sports include football, soccer, cross country, volleyball, swimming, basketball, wrestling, baseball, softball, and track and field. Level 2 and club sports fees may vary by school and do not count toward the cap. Please see your school's athletic secretary for more information.*

Some courses are costly to offer due to materials required. If you would like to make a voluntary contribution to any of our classes, please see the school's bookkeeper.

Course Planning (Naviance)

HSD high schools use the tool Naviance Course Planner to assist students in creating their four-year high school plans. As a guidance tool prior to the forecasting process, students build their own course plans in order to create a sense of ownership over their paths through high school, and to ensure they are working toward meeting their post-secondary goals. Counselors and families can view student plans and provide informed suggestions and encouragement. This allows families to take a larger role in their student's future planning process.

Students and families can access Naviance Course Planner by visiting the specific websites for their school.

More information about Naviance itself can be found at www.naviance.com

Login Information
Students can access Naviance through MyApps which is accessed using their district username and password

Century School-Based Health Center



Adolescents are reported to have the lowest access to health care of any age group and they are the least likely to seek care through a traditional doctor's office. The goal of the School-Based Health Center (SBHC) is to serve student health needs by providing a quality comprehensive health care facility located conveniently at Century High School that is open to all students and employees of the Hillsboro School District!

Located on the Century HS Campus:
1998 SE Century Blvd Hillsboro, OR 97123
Hours: M-F: 8:00 – 4:30 (closed 12:00 – 12:30 for lunch)
More Info & Scheduling: 503-597-4580

Questions & Answers

Are there licensed medical providers on staff?

Absolutely, the SBHC has a licensed Nurse Practitioner or Physician Assistant and a Mental Health Therapist on staff, plus a Dental Hygienist.

What about insurance?

The SBHC can bill most private health insurance plans and may collect a co-pay at the time of your visit. Oregon Health Plan (OHP) is also accepted, which does not require a co-pay. Contact your SBHC to see if they can take your insurance. No insurance? No problem. The SBHC will assess if you are eligible for a discounted fee, based on income. Families that earn less will pay less. No one will be turned away for their inability to pay.

Do I need an appointment?

Appointments are preferred, but if you have an urgent need, you can walk in. To make an appointment simply call the SBHC to schedule, or walk in and request a visit.

Is my appointment confidential?

Your privacy and safety are a priority at the SBHC. In general, adolescents have a right to privacy regarding some health information. If there is a safety concern, we are required to report by law. SBHC staff work with youth of all ages to involve parents/guardians in their care. If you have any questions about the confidentiality of your care, please ask our knowledgeable staff.



Some of the services you can access at the SBHC are:

- Physical exams
- Sports physicals
- Immunizations
- Urgent care
- Diagnosis and treatment of acute and chronic illness
- Specialist referrals
- Dental screenings
- Mental health therapy
- Substance abuse screenings
- IEP support
- LGBTQ+ safe zone





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Jaguars

Century High School
Principal: Julie Kasper



2000 SE Century Blvd.
Hillsboro, OR 97123-8390
Phone: 503.844.1800
Fax: 503.844.1825



Crimson Tide

Glencoe High School
Principal: Claudia Ruf



2700 NW Glencoe Road
Hillsboro, OR 97124-1518
Phone: 503.844.1900
Fax: 503.844.1949



Spartans

Hillsboro High School
Principal: David Vickery



3285 SE Rood Bridge Road
Hillsboro, OR 97123-8654
Phone: 503.844.1980
Fax: 503.844.1999



Falcons

Liberty High School
Principal: Greg Timmons



7445 NE Wagon Drive
Hillsboro, OR 97124
Phone: 503.844.1250
Fax: 503.844.1299



Chargers

Hillsboro Online Academy
Principal: Linda Harrington

452 NE Third Ave.
Hillsboro, OR 97124
Phone: 503.844.1050
Fax: 503.844.1051



Oak Street Campus
Principal: Amy Torres

440 SE Oak Street
Hillsboro, OR 97123
Phone: 503.844.1680
Fax: 503.844.1051

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HSD is the first K-12 school district in Oregon to receive full systems (districtwide) accreditation by Cognia, a non-profit, non-partisan, international organization of education quality assurance professionals.



HILLSBORO SCHOOL DISTRICT

Engage and challenge all learners to ensure academic excellence

3083 NE 49th Place • Hillsboro, OR 97124
503.844.1500 • www.hsd.k12.or.us