

HILLSBORO HIGH SCHOOL COURSE CATALOG

2009-2010



Spartan Students,

The faculty and staff of Hillsboro High School are committed to providing our students with a rich, challenging, and meaningful educational experience. The academic program is designed to offer every student the opportunity to excel while at Hilhi and to build a strong foundation for success after high school. We look forward to working in partnership with you and your parents during your high school career.

This planning guide is an essential tool in making the important educational decisions that lie ahead for you. As you look through the guide, you'll find information on graduation requirements, college admission standards, and course descriptions. In addition, programs that are unique to Hillsboro High School are also explained in the guide. Please give careful consideration to the course selections and program decisions that you make. These decisions will shape the foundation you build for your future.

Hillsboro High School staff members are available to answer any questions you may have. I encourage you to seek the advice of your parents, counselors, and teachers as you work through the scheduling process.

Good luck in your academic endeavors next year.



Sloan J. Presidio
Principal, Hillsboro High School

ATENCIÓN
PADRES DE FAMILIA HISPANOS

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Hillsboro High.....503-844-1980

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USING THIS GUIDE

This catalog is designed to help students make wise selections from the courses offered, taking into consideration their interests and post-high school plans. When forecasting for next year, students and parents should keep in mind the following:

1. All courses and programs offered are contingent upon adequate funding.
2. All courses offered are dependent on enrollment. If an insufficient number of students request a course, it may not be offered.
3. Courses are divided into two (2) 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 individual student's needs for vocational and college admission, as well as the pursuit of individual interests. Seven and a half elective credits are required for graduation for the classes of 2008 and 2009. Class of 2010 and beyond are required to complete eight and a half elective credits. Please refer to page 6 for more detailed information about graduation requirements.

FORECASTING PROCEDURES

1. Dates are scheduled for advisors to meet with students to review the scheduling process and to discuss courses offered. Forecasting sheets will be distributed through advisory and picked up the following week by counselors and administrators. Counselors are available to answer specific questions from students prior to, during, and after forecasting.
2. Students are expected to discuss their course selections with their parents prior to submitting forecasting sheets.
3. **PLEASE CHOOSE CAREFULLY. STUDENTS ARE EXPECTED TO TAKE AND COMPLETE THE COURSES FOR WHICH THEY FORECAST.**
4. Approximately three (3) days after the course catalog and forecasting sheets are distributed, forecast sheets will be collected. In order to be ready, students should have their completed forecasting sheet with the following information:
 - a. All courses they plan to take listed in preferential order.
 - b. At least five (5) courses as alternates in addition to preferred electives, listed in order of preference.
 - c. Teacher recommendations and signatures (where required).

ACADEMIC DEFINITIONS & REGULATIONS

The Trimester Calendar

Hillsboro High School uses a trimester system of scheduling. The school day runs from 8:30 AM until 3:30 PM. Students attend five (5) classes for approximately seventy (70) minutes each. Students should select five (5) classes for each of the three (3) terms for a total of fifteen (15) classes per year. Information regarding specific courses can be found in the course descriptions that begin on page 15 of this guide.

Credits

Credits are the units by which academic progress is measured. Students earn .5 credit by passing one (1) trimester (term) class. Students have the potential to earn 7.5 credits per year. **Beginning with the Class of 2010, students will need to earn 24.0 credits to graduate.** See page 8 for additional information.

Chancellor's Diploma

To be eligible for a Chancellor's Diploma, a graduate must have satisfied all of the requirements listed on page 8 of this guide.

Academic Standing

Grade point averages are computed on a 4-point scale with the following point values awarded per grade: A = 4, B = 3, C = 2, D = 1, and F = 0.

Schedule Change Requests

In the event that a student is placed incorrectly, has a schedule with an "OPEN" period, or has an error, students may request a schedule change. The last day to request a schedule change will be **five (5) days after the trimester begins.**

Student Placement

Student placement in English, math, science, and social science classes is the student's choice. However, these factors are also considered: teacher recommendation, present classroom work, past performance, test scores, and other criteria related to the student's ability, potential, and career goals. Make certain you check the forecasting sheet closely for classes that need a teacher's approval prior to enrollment.

Athletic/Activity Eligibility

In order to meet academic participation standards, a student must meet the OSAA standard of passing five subjects the previous trimester and be enrolled and doing passing work in at least four subjects the current trimester (seminary, late arrival/early release, and teacher's assistant do not qualify as part of the four required courses). Participants in athletic/activity programs not meeting these standards are ineligible for the trimester. They may not compete until term grades provide for eligibility.

Class Attendance

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

Additional Course Work/Credit Make-up

Credits for making up courses failed or courses taken for additional credits may be earned by taking more classes on-site at Hillsboro High School than the minimum number required for graduation. They may also be earned through summer sessions, a recognized correspondence school, college /university, or community college. See pages 42-44 for options.

GRADUATION REQUIREMENTS

Additionally for 2012 and Beyond:

Students must demonstrate proficiency in five Essential Skills.

- Read and comprehend a variety of text at different levels of difficulty
- Apply mathematics in a variety of settings (2014)
- Write clearly and articulately
- Listen actively and speak clearly and coherently
- Think critically and analytically across disciplines (2014)

The Hillsboro School District and Oregon Board of Education increased the graduation requirements for the Class of 2010 and beyond. Please read and become familiar with the subjects and credits you need to graduate!

HSD Graduation Requirements		
	2010 and 2011	2012 and Beyond
Math	3 credits (increase from 2)	3 credits
Science—Scientific Inquiry	2 credits	3 credits—(2 or 3 credits must be lab experiences)
Language Arts	4 credits	4 credits
Applied Arts, Second Language, Career/ Tech Ed	1 credit	3 credits
Social Sciences	3 credits	3 credits
Physical Education	1 credit	1 credit
Health	1 credit	1 credit
Career Development	.5 credit	.5 credit
Electives	8.5 credits (an increase from 7.5) Including .5 senior seminar for students not enrolled in a Focused Program of Study	5.5 credits Including .5 senior seminar for students not enrolled in a Focused Program of Study
Total Credits Required	24 credits (an increase from 22)	24 credits

The **Chancellor's Diploma** is an opportunity for students to be recognized for fulfilling all of the requirements needed to attend an Oregon University System (OUS) school. If students meet the requirements delineated below, they fulfill the automatic entrance requirements for OUS and will receive special recognition during the graduation ceremony.

HSD Chancellor's Diploma Requirements		
	2010 and 2011	2012 and Beyond
Science*	3 credits (increase from 2)	3 credits
Math*	3 credits (including Algebra	3 credits (including Algebra 2)
Language Arts*	4 credits	4 credits
Second Language*	2 credits	2 credits
Social Sciences*	3 credits	3 credits
Physical Education	1 credit	1 credit
Health	1 credit	1 credit
Career Development	.5 credit	.5 credit
Electives	8.5 credits (increased from 8) Including .5 Senior Seminar for students not enrolled in senior level Focused Program of Study	8.5 credits Including .5 Senior Seminar for students not enrolled in a Focused Program of Study and 1 credit Applied Arts, Second Language and/or Career/Tech
*15 academic requirements plus 1 additional academic credit for a total of 16	<ul style="list-style-type: none"> • 26 total credits • 16 academic credit requirements (marked with *) • "C" or better in every academic credit requirement • Cumulative GPA of 3.25 	

SAMPLE GRADUATION PLANS

SAMPLE PLAN BY GRADE

Grade 9	Grade 10	Grade 11	Grade 12
Class of 2010 and 2011			
1.0 Language Arts	1.0 Language Arts	1.0 Language Arts	1.0 Language Arts
1.0 Social Science	0.5 Social Science	0.5 Social Science	1.0 Social Science
0.5 Physical Education	0.5 Physical Education		Senior Seminar
0.5 Health		0.5 Health	
1.0 Science	1.0 Science		
1.0 Math	1.0 Math	1.0 Math	
Electives	Electives	Electives	Electives
<p>1.0 unit of credit in Fine Arts, Applied Arts, or Second Language, and a .5 unit of Career Development are required. A completed senior portfolio in Senior Seminar, or the Capstone course of a Focused Program of Study or IB course is required. At least 8.5 elective credits are required for graduation.</p>			
Class of 2012 and beyond (additions to above requirements)			
		Math must be through Algebra 2	
		1.0 Science	
<p>3.0 units of credit in Fine Arts, Applied Arts, or Second Language, and a .5 unit of Career Development are required. A completed senior portfolio in Senior Seminar, or the Capstone course of a Focused Program of Study or IB course is required. At least 5.5 elective credits are required for graduation.</p>			

SAMPLE IB PLAN BY GRADE

Grade 9	Grade 10	Grade 11	Grade 12
1.0 MYP English	1.0 English	1.0 IB Language Arts I HL	1.5 IB Language Arts II HL
1.0 MYP World Studies	1.0 American Studies	1.0/1.5 IB History (HL or SL)	1.0* IB History (HL or SL)
1.0 MYP Biology	1.0 Chemistry or Accelerated Chem.	1.0/1.5 IB Science (HL or SL)	1.5* IB Science (HL or SL)
1.0 MYP Math	1.0 Math	1.0/1.5 Pre-Calculus or IB Math/Math Studies	1.5* IB Math/Math Studies
1.0 Foreign Language—Level 1 or 2 Spanish or French	1.0 Foreign Language—Level 2 or 3	1.0/1.5 Foreign Language 3 (or HL or SL)	1.5* Foreign Language (HL or SL)
0.5 Physical Education	0.5 Physical Education	1.0/1.5 Art/Electives (HL or SL)	1.5* Art/Electives (HL or SL)
0.5 Health 1	0.5 Health 2	0.5 Theory of Knowledge I	0.5 Theory of Knowledge II
Electives	2.0 IB Pre-Requisite Electives		
<p>* If not completed during Junior year. Three of the IB courses must be at Higher Level and three at the Standard Level. In addition, student will complete 150 hours of Creativity, Action, and Service. Students will also complete a 4000-word research paper on a subject of their choice.</p>			

**STATE BOARD
OF EDUCATION
ADMISSION
REQUIRE-
MENTS
FOR THE
2009-2010
ACADEMIC
YEAR**

Oregon University System Requirements	
English	4 credits
Mathematics	3 credits (Preparatory Math through Algebra 2 or Interactive Math 3)
Science	2 credits (Biology, Chemistry, Physics, Physical Science, or Integrated Science)
Social Science	3 credits (1 U.S. History, 1 World Studies, .5 Government, .5 Economics)
Second Language	2 credits of the same language
<i>Other college prep electives are recommended to round out the high school program.*</i>	

Freshman GPA Admission Requirements for Oregon University System:

	U of O	OSU	PSU	EOU	OIT	SOU	WOU
High School GPA	3.00*	3.00**	3.00	3.00***	3.00	2.75	2.75
Additional Campus Review Required	3.25 or fewer than 16 subject units	2.75 to 2.99	2.70 to 2.99	Below 3.00 portfolio required	2.50 to 2.99	Below 2.75 portfolio required	Below 2.75

Application fee for each school is \$50.00.

*UO automatically admits applicants who have a 3.25 high school GPA and 16 units of subject requirements including 14 OUS subject requirements and 2 additional academic units. Applicants below the 3.25 high school GPA or 16 units of subject requirements will receive an additional campus review for admissibility. The 16 units of subject requirements must include the 14 subject units required for all OUS campuses listed above plus two additional approved units in any subject area.

**OSU automatically admits applicants who have a 3.00 high school GPA and 14 units of subject requirements. Applicants below a 3.00 high school GPA or lacking subject requirements will receive additional campus review. OSU requires the Insight resume.

***In courses taken to satisfy the subject requirements.

Community College Requirements

Oregon community colleges have an open-door admission policy. Students can complete a certificate program, a 2-year associate program, or transfer to a 4-year college/university. Placement testing at community colleges is required before any courses can be scheduled. 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 requirements in the Guidance Center.

SAT Test Dates

Century HS -October 10, 2009
 Glencoe HS -November 7, 2009
 Hillsboro HS -December 5, 2009
 Liberty HS -January 23, 2010
 Glencoe HS -March 6, 2010+
 Hillsboro HS -May 2, 2010
 Century HS -June 6, 2010

ACT Test Dates


Liberty HS -October 24, 2009
 Century HS -December 12, 2009
 Hillsboro HS -April 10, 2010
 TBA -June 12, 2010

PSAT Test Date

October 14, 2009—All HS


+On this date, only the SAT is offered. SAT subject tests are not administered on this date.

FOCUSED PROGRAMS OF STUDY

Choosing a Focused Program of Study (FPS) is an important way to help clarify goals, provide purpose and relevance to your elective course selection, and prepare you to succeed in post-secondary education and/or in the workplace. By selecting a Focused Program, you strengthen the opportunity to gain the qualities and skills that are vital for employment and productivity in business, industry and the community. If you would like help in choosing a career interest area, counselors, advisors, administrators, and the School-to-Work coordinator are available to help. The following chart will help you discern the six Focused Program areas and the endorsement programs offered at Hillsboro High School. With each endorsement area, the capstone course is indicated. Students complete the Senior Portfolio requirement in a capstone course, the culminating course of a FPS. Throughout this planning guide, all capstone courses are indicated with a  symbol.

Focused program requirements (for all programs):

- Complete all required course work
- Pass all courses in the program with a grade of “C” or better
- Complete a Senior Project in the Capstone course as supported through students’ Senior year FPS advisory
- Meet other program specific requirements (see Capstone teacher for details)

Focus Programs of Study	Endorsement Areas (Capstone Course) 
Arts & Communication	Theatre (IB Theatre Arts SL or IB Theatre Arts HL I or II)
	Music (Symphonic Band, Vocal Ensemble or Concert Choir)
	Visual Arts (IB Visual Arts SL, IB Visual Arts HL II)
	Graphic Arts (Advanced Graphic Arts Studio)
Business & Management	Business (Management/Business Seminar)
Health Services	Fitness Training & Sports Medicine (Fitness Training & Sports Medicine)
Human Resources	Early Childhood Education (Child Services 2)
Industrial & Engineering Systems	Automotive Service Technology (Automotive Technology 5)
	Construction Technology/Woods (Woodworking Technology 4)
	Architecture (Architectural & Interior Design 4)
	Industrial Design/Drafting (Drafting & Computer Graphics 4)
	Electronics/Robotics (Electronics 3 or Robotics 2)
Natural Resource Systems	Horticulture (Horticulture Technology & Design 2)
	Environmental Studies (Environmental Sciences 2)

FOCUS PROGRAMS OF STUDY

ARTS AND COMMUNICATION

Arts and Communication includes all of the performing and visual arts: music, drama, painting, three-dimensional arts, and their supporting careers such as design, management, and publicity. Examples of fine arts careers include illustrators and designers for all print media as well as computer graphics.

ENDORSEMENT AREA	EXPLORATORY (9-12) Select 1 of the following	FOUNDATION (9-11) Select at least 1 of the following	CAPSTONE (12) Select the class that corresponds with your foundation class
THEATRE	<ul style="list-style-type: none"> •Drama 1 (.5) •Musical Theatre (.5) •Speech 	<ul style="list-style-type: none"> •Drama 2 (1.0) •IB Theater Arts 1 HL (1.0) •Technical Theatre (.5) 	<ul style="list-style-type: none"> •IB Theatre Arts SL (1.5) •IB Theatre Arts HL 2 (1.5)
MUSIC	<ul style="list-style-type: none"> •Hilhi Singers (1.5) •Concert Band (1.5) 	<ul style="list-style-type: none"> •Concert Band (1.5) •Symphonic Band (1.5) •Concert Choir (1.5) 	<ul style="list-style-type: none"> •Symphonic Band (1.5) •Encore/Vocal Ensemble (1.5)
VISUAL ARTS	<ul style="list-style-type: none"> •Art 1 (1.0) 	<ul style="list-style-type: none"> •Art 2 (1.0) •IB Visual Art I SL/HL (1.5) •Calligraphy 1 (.5) •Cartooning 1 (.5) 	<ul style="list-style-type: none"> •IB Visual Art I SL (1.5) •IB Visual Art 2 HL (1.0)
GRAPHIC ARTS	<ul style="list-style-type: none"> •Art 1 (1.0) <i>(Recommended)</i> 	<ul style="list-style-type: none"> •Digital Photography 1 (.5) AND •Advertising Design—2nd term (.5) AND •Cartooning 1 or Calligraphy 1 (.5) 	<ul style="list-style-type: none"> •Advanced Graphic Arts Studio (1.0) AND •Calligraphy 2 (.5), or •Digital Photography 2 (.5) or •Cartooning & Draw 2 (.5)

BUSINESS

Business includes a variety of career choices that include small business ownership, sales, marketing, advertising, information systems, human resources, accounting, finance, and project management.

Employment opportunities within these careers range from entry level to management positions to the highest level of corporate administration. Students interested in majoring in business in college will develop a solid foundation for their future studies. Students looking to enter the work force upon graduating will develop marketable skills for entry level positions.

ENDORSEMENT AREA	EXPLORATORY (9-12) Select 1 of the following	FOUNDATION (9-11) Select at least 4 of the following	CAPSTONE (12) Select the class that corresponds with your foundation class
BUSINESS	<ul style="list-style-type: none"> •Keyboarding (.5) •Word Processing (.5) 	<ul style="list-style-type: none"> •Introduction to Accounting (.5) •Introduction to Marketing (.5) •Advanced Accounting (.5) •Advanced Marketing (.5) •Financial Planning (.5) 	<ul style="list-style-type: none"> •Management/Business Seminar (1.0)

FOCUSED PROGRAMS OF STUDY

HEALTH SERVICES

Health Services includes such careers as research and prevention of disease, sports medicine, corporate fitness, paramedic, physician, dentist, nursing, psychiatry, physical therapist, nutritionist, drug and alcohol counselor, cosmetology, and community health.

Employment opportunities within these career areas range from an entry-level position to one requiring certification or/and advanced degree.

ENDORSEMENT AREA	EXPLORATORY (9-12) Select 1 of the following	FOUNDATION (11) Complete all classes listed	CAPSTONE (12) Complete all classes listed
FITNESS TRAINING AND SPORTS MEDICINE	<ul style="list-style-type: none"> •Strength Training (.5) •Aerobics (.5) 	<ul style="list-style-type: none"> •Health Foundations (1.0) •Chemistry (1.0) 	<ul style="list-style-type: none"> •Fitness Training and Sports Medicine (1.5)

HUMAN RESOURCES

Human Resource Services include such careers as education, government, law and law enforcement, military, public service, child and family services, religion, and social services. Employment opportunities within these careers range from childcare provider or educational assistant to teacher or counselor.

ENDORSEMENT AREA	EXPLORATORY (9-12) Select 2 or more of the following	FOUNDATION (11) Complete all classes listed	CAPSTONE (12) Complete all classes listed
EARLY CHILDHOOD EDUCATION	<ul style="list-style-type: none"> •Child's World (.5) Required •Psychology (.5) •You & the Law (.5) •Keyboarding (.5) 	<ul style="list-style-type: none"> •Child's Services 1 (1.5) •Health Foundations (1.0) •Word Processing (.5) 	<ul style="list-style-type: none"> •Child's Services 2 (1.5)

INDUSTRIAL AND ENGINEERING

Industrial and Engineering includes occupations that use technology to invent, design, develop, install, or maintain physical systems. These may include computer hardware or software design, network design and operation, engineering, manufacturing, construction, and related technologies. Employment opportunities in this strand may range from an entry-level construction laborer to a journeyman electrician, software professionals, network installer, IT professional, or engineer, designer or inventor.

ENDORSEMENT AREA	EXPLORATORY (9-12) Select 1 of the following	FOUNDATION (9-12) Complete all classes listed	CAPSTONE (12) Complete all classes listed
AUTOMOTIVE SERVICE TECHNOLOGY	<ul style="list-style-type: none"> •Automotive Tech 1 (.5) Required 	<ul style="list-style-type: none"> •Automotive Tech 2 & 3 (.5 each) •Electronic Tech 1 (.5) 	<ul style="list-style-type: none"> •Automotive Tech 4 (.5) •Automotive Tech 5 (.5)

FOCUSED PROGRAMS OF STUDY

INDUSTRIAL AND ENGINEERING

Industrial and Engineering includes occupations that use technology to invent, design, develop, install, or maintain physical systems. These may include computer hardware or software design, network design and operation, engineering, manufacturing, construction, and related technologies. Employment opportunities in this strand may range from an entry-level construction laborer to a journeyman electrician, software professionals, network installer, IT professional, or engineer, designer or inventor.

ENDORSEMENT AREA	EXPLORATORY (9-12) Select 1 of the following	FOUNDATION (9-12) Complete all classes listed	CAPSTONE (12) Complete all classes listed
CONSTRUCTION TECHNOLOGY/ WOODS	<ul style="list-style-type: none"> •Wood Tech 1 (.5) 	<ul style="list-style-type: none"> •Wood Tech 2 & 3 (.5 each) And select ONE of the following: •Construction Tech (1.0) •Architectural and Interior Design (.5) •Drafting and Computer Graphics (.5) 	<ul style="list-style-type: none"> •Wood Tech 4 (.5)
ARCHITECTURE	<ul style="list-style-type: none"> •Art 1 (.5) •Architectural and Interior Design 1 (.5) 	<ul style="list-style-type: none"> •Architectural and Interior Design 2 & 3 (.5 each) •Drafting and Computer Graphics 1 (.5) 	<ul style="list-style-type: none"> •Architectural and Interior Design 4 (.5)
INDUSTRIAL DESIGN/DRAFTING	<ul style="list-style-type: none"> •Drafting and Computer Graphics 1 (.5) 	<ul style="list-style-type: none"> •Drafting and Computer Graphics 2 & 3 (.5 each) 	<ul style="list-style-type: none"> •Drafting and Computer Graphics 4 (.5)
ELECTRONICS/ ROBOTICS	<ul style="list-style-type: none"> •Robotics 1 (.5) •Electronic Tech 1 (.5) 	<ul style="list-style-type: none"> •Electronic Tech 2 (.5) •Drafting & Computer Graphics 1 (.5) OR •Robotics 2 (.5) 	<ul style="list-style-type: none"> •Electronic Tech 3 (.5)

NATURAL RESOURCES

Natural Resources include careers in marine biology, ecology, fish and wildlife management, zoology, botany, agriculture, environmental protection, environmental engineering, forestry, geology, and education.

Employment opportunities within these career areas range from park service worker at entry-level to research scientists and environmental toxicologists.

ENDORSEMENT AREA	EXPLORATORY (9-12) Select 1 of the following	FOUNDATION (10-11) Select at least 1 of the following	CAPSTONE (12) Select the class that corresponds with your foundation class
HORTICULTURE	<ul style="list-style-type: none"> •Introduction to Horticulture Technology and Design (.5) 	<ul style="list-style-type: none"> •Horticulture Technology and Design 1 (1.0) 	<ul style="list-style-type: none"> •Horticulture Technology and Design 2 (1.0)
ENVIRONMENTAL STUDIES	<ul style="list-style-type: none"> •Discovering Natural Resources •Intro to Fire Science (.5) 	<ul style="list-style-type: none"> •Environmental Sciences 1 (1.0) 	<ul style="list-style-type: none"> •Environmental Sciences 2 (1.0) [not offered until 2009-2010 school year]

ART COURSES

*These courses have a \$25 per-term fee. Students on reduced or free lunch can apply for a fee waiver for student costs. See counselor or the school book-keeper for the forms. Fees must be paid or a fee waiver application must be on file.

 = Capstone Course

Art 1*

Grade: 9, 10, 11, 12

Credit: 1.0

Prerequisite: None

An exploratory class designed to inspire confidence and build skills in students with no prior art experience. The first trimester of Art 1 includes units focused on observational drawing, printmaking, mixed media, portraiture, and sculpture. The second trimester focuses on painting, color theory, printmaking, sculpture, art history and criticism. A sketchbook is provided and students are expected to draw, write and research outside class time.

Art 2*

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: C or above in Art 1 and sophomore standing

Art 2 builds upon technical and critical skills from Art 1. Creative approaches to various media are explored, including drawing, color theory, painting, installation, and sculpture. Contemporary art and art history are analyzed to increase art vocabulary as well as appreciation for art from a variety of cultures. Students are assigned Developmental Workbook assignments that include writing and visual experiments to be completed outside of class time. *Developmental Workbook is provided and required.*

IB Visual Art SL* (for seniors)

IB Visual Art HL 1* (for juniors

going

on to HL 2 senior year)

Grade: 11, 12

Credit: 1.5

Prerequisite: "B" or better in Art 2

IB Visual Art SL A or IB Visual Art HL 1 is designed for the visual art student with an interest in both studio production and researching and writing about art and artists. This course develops a student's creative and technical skills in painting, clay sculpture, drawing, mixed media and assemblage. IB students are challenged to solve formal and technical problems encountered in studio practice, and begin to develop a thematic body of work. **Students are also required to work independently outside of class time in an Investigation Workbook.** Studio work is 60% of the final grade; writing and research are 40% of the final grade. **SL is a Capstone Course for seniors and prepares students for the Standard Level IB exam.**

IB Visual Art HL 2*

Grade: 12

Credit: 1.0

Prerequisite: "B" or above in IB Visual Art 1
(Non-IB students may take this course)

This course is designed for the specialist visual art student with creative and imagi-

native abilities who may pursue the visual arts after high school. Students are instructed in oil painting, drawing, and experimental techniques (sand painting at the beach) as well as advanced study of art topics. **Students are also required to work independently outside of class time in an Investigation Workbook.** Studio work is 60% of the final grade; writing and research are 40% of the final grade. **HL2 is a capstone course and prepares students for the Higher Level IB exam.**

Ceramics 1*

Grades: 9, 10, 11, 12

Credit: .5

Prerequisite: None

This course provides an introductory studio experience in the construction of hand-built and wheel-thrown ceramic works. A variety of forming techniques are demonstrated as well as several glazing techniques. Contemporary and historical ceramic works are studied and reflected upon. Students in this course must be able to work independently and responsibly in a studio setting. *Sketchbook is provided and required.*

Ceramics 2*

Grades: 9, 10, 11, 12

Credit: .5

Prerequisite: Ceramics 1

This course provides advanced studio experience in the production of hand-built and wheel-thrown ceramics, both functional work and sculptural work. The course includes specialized glazing techniques, and larger, more complicated pieces are encouraged. Students explore a variety of alternative firing methods. A basic understanding of ceramic history, including contemporary and cultural aspects is taught. Students in this course must be able to work independently and responsibly in a studio setting. *Sketchbook is provided and required.*

Advertising Design*

Grades: 10, 11, 12

Credit 1.0

Prerequisite: Art 1 recommended

Using drawing, painting, printmaking, photography and Adobe Photoshop, students explore graphic design areas including typography and letterforms, illustration, idea and product promotion, poster design, logo design and more. All projects involve creative problem solving, aesthetics and criticism. Advertising Design is a gateway to many career options in commercial art, and is highly recommended for students seeking a Focused Program of Study in Graphic Arts.

ART COURSES

*These courses have a \$25 per-term fee. Students on reduced or free lunch can apply for a fee waiver for student costs. See counselor or the school bookkeeper for the forms. Fees must be paid or a fee waiver application must be on file.

Articulated Credit Available—PCC



= Capstone Course

*Digital Photography courses have a \$35 per-term fee. Students on reduced or free lunch can apply for a fee waiver for student costs. See counselor or the school bookkeeper for the forms. Fees MUST be paid or a fee waiver application must be on file.

Calligraphy 1*

Grade: 10, 11, 12

Credit: .5

Prerequisite: Art 1, Advertising Design or sophomore standing



Calligraphy is the art of beautiful writing. Students explore the art of writing with an edged pen and ink and create artwork using several scripts. Students study layout and design and use media such as water-colors, gold leaf, gouache, and colored pencil. Students must be able to measure with a ruler, work with detail and use fine motor skills. Calligraphy 1 is an excellent foundation course for students interested in graphic design or pursuing a Graphic Arts Focused Program of Study.

Calligraphy 2*

Grade 10, 11, 12

Credit: .5

Prerequisite: "C" or above in Calligraphy 1 or by instructor approval



Students use the foundation skills learned in Calligraphy 1 and develop more sophisticated and personal projects. A variety of media and techniques are used as experimental writing tools. Students must be able to measure with a ruler, work with detail and use fine motor skills. Calligraphy 2 is an excellent course for students interested in graphic design or pursuing a Graphic Arts Focused Program of Study.

Cartooning and Drawing 1*

Grade: 10, 11, 12

Credit: .5

Prerequisite: Art 1 or Advertising Design or instructor approval

In this in-depth study of the art of cartooning students focus on the development of drawing skills (including 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. A variety of projects allow students to practice the craft.

Cartooning and Drawing 2*

Grade: 10, 11, 12

Credit: .5

Prerequisite: Cartooning and Drawing 1 or instructor approval

This class continues the exploration of graphic narratives by approaching comics as the meeting of art and literature. Students study the history of comics, and learn to develop material for their own comics by keeping a workbook that will serve as a journal for notes, research, observations, experiences and memories. We also explore digital tools for the creation of web comics, and the creation of a class anthology. Students spend a significant amount of time on studio drawing exercises and collaborative comics.

Research and writing are integral parts of this course. Cartooning and Drawing 1 and 2 are highly recommended for students seeking a Focused Program of Study in Graphic Arts.

Advanced Graphic Arts Studio*

Grade: 11, 12

Credit: 1.0

Prerequisite: Any combination of two trimesters of the following: Advertising Design, Cartooning, Calligraphy, Digital Photography, Art 2. In addition, Art 1 strongly recommended



Advanced Graphic Arts Studio is the capstone class for the Graphic Arts focused program of study and is required for students who wish to receive a Focused Program of Study in Graphic Arts. In first trimester students explore a variety of digital graphic art media techniques including Adobe Photoshop. In second trimester, students research, focus and create a powerful senior project on a Graphic Arts topic of their choosing. Career-related presentations and experiences enhance student learning and their understanding of how their projects relate to the professional world.

Digital Photography 1 *

Grade: 10, 11, 12

Credit: .5

Prerequisite: None

An introduction to the art of photography using digital cameras. The emphasis in Digital Photo 1 is learning how to use the camera to create powerful photographs. Projects include portraiture, understanding light, macro photography, depth of field, capturing movement and Surrealism. Adobe Photoshop will be used to fine tune digital photos and add special effects, as well as to restore and repair old photos. Students will also develop an appreciation for the history of photography through projects based on the work of important photographers. Students are encouraged to use their own cameras, but cameras are also available for students who need them. Digital Photography 1 is recommended for students who wish to receive a Focused Program of Study in Graphic Arts.

Digital Photography 2*

Grade: 11, 12

Credit: .5

Prerequisite: Digital Photography 1

Digital Photography 2 focuses on layers, masks, paths, channels and special effects. The use and manipulation of text is covered in more detail. Both photos and text are used to produce illustrated poems, greeting cards, posters, and other works.

BUSINESS EDUCATION & COMPUTER TECHNOLOGY

Articulated Credit
Available — PCC



 = Capstone Course

Introduction to Marketing

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

In this course students learn about the marketing process through a focus on sports and entertainment marketing. Topics include analyzing the marketplace, promotion, sales, advertising, pricing, distribution, and careers. Students also have the opportunity to participate in FBLA and travel to attend leadership conferences and competitive event activities.

Advanced Marketing

Grade: 10, 11, 12

Credit: .5

Prerequisite: Introduction to Marketing

Advanced Marketing uses the application of concepts through project-based learning activities. Topics include marketing functions, market research, management functions, business organization, communications, advertising and promotion.

Computer Keyboarding

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

In Computer Keyboarding, students learn correct keyboarding techniques in order to master the keyboard on the computer by touch. The basic skills learned enable students to produce high quality documents while at the same time put them in the correct format.

Word Processing

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: Computer Keyboarding or meet placement criteria

Word Processing enables students to gain additional speed and accuracy at the computer, while being able to produce higher level documents that would be used in college or in the business world. In addition, students learn more advanced features of the most recent word processing computer programs. This course prepares students to meet many technological demands of the work place.

Introduction to Accounting

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: Pre-Algebra

This class introduces students to the “language of business.” Students learn how accountants and financial professionals work together in order to help businesses be successful. Simulation projects give the student experience in the accounting systems for sole proprietorship businesses. Career opportunities are explored.

Advanced Accounting

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: Introduction to Accounting with a “B” or better or instructor approval.

This course is designed to give students a continuation of the basics learned in Introduction to Accounting. More advanced accounting concepts are stressed enabling the student to work with accounting systems used in corporations. This course prepares the student for college level accounting courses as well as entry level positions in business.

Financial Planning

Grade: 10, 11, 12

Credit: .5

Prerequisite: None

This course introduces students to the financial planning process and the components of a comprehensive financial plan. Students learn how to prepare a financial plan that includes saving, investing, borrowing, risk management (insurance), and retirement and estate planning.

Management/Business Seminar

Grade: 12

Credit: 1.0

Prerequisite: Introduction to Accounting or Introduction to Marketing

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 his/her portfolio needed for graduation.

Introduction to Computer Applications

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

This exploratory course covers several basic computer applications. The content includes the basic Microsoft Office Suite; word processing, spreadsheet, database and presentation software. Students learn to use email and Internet search and site evaluation tools. Students also learn to author web pages using HTML.



COMMUNICATION MEDIA & DRAMA COURSES

Drama 1

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

Students with limited acting experience concentrate on learning the fundamentals. The course provides instruction in awareness, concentration, purposeful movement, and working with a partner, as well as vocal development, pantomime, play reading, and other fundamentals of drama. Students perform children's productions

Drama 2

Grade: 9, 10, 11, 12

Credit: 1.0

Prerequisite: Drama 1 at the high school

This is a course in advanced acting for students who wish further development in acting techniques. This course includes monologue and scene presentations for both peers and public. The first term deals with extensive scene work, history of the theatre, and styles of acting. Second term may include such units as theatre make-up, set design, lighting, costuming, or ensemble theatre.

IB Theatre Arts (SL)/IB Theatre Arts I HL



Grade: 11, 12

Credit: 1.5/1.0

Prerequisite: Two classes in Theatre Arts

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.

Musical Theatre

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

This course integrates music, dance, and theatre to provide training in musical productions. Students 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 Theatre Arts II (HL)



Grade: 12

Credit: 1.5

Prerequisite: IB Theatre Arts I HL

IB Theatre Arts 2 (Drama 4) is an advanced theatre class for the serious theatre

student who wishes to further their understanding of theatre in all its forms and focuses. Students experience theatre through other cultures, furthering their understanding of their own culture, and have the opportunity to make their theatre designs and directions come to life by directing other students in an outside performance. This course also includes an individual project, as well as resume, construction and audition techniques and experiences. It also prepares students for the Higher Level IB exam.

Technical Theatre

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

This is a course for students who wish to become literate in the areas of technical theatre production. Each student receives training and practice in construction, painting, lighting, and stage management, using the current theatre department productions as a laboratory. Stage design is also part of the curriculum and after-school production hours are a requirement of the course.

Creative Writing

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

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 work. Each student will compile a portfolio of all writing at the end of the trimester.

Yearbook Staff

Grade: 10, 11, 12

Credit: 1.5

Prerequisite: Digital Photography, application and teacher evaluation

This course produces the school's yearbook. Students participate in full staff planning sessions, conduct interviews, write copy, and prepare page layouts. The staff must be able to meet deadlines, work under pressure, and act as responsible group members. All staff members must be willing to spend time after school. Word processing skills are recommended.

COMMUNICATION MEDIA & DRAMA COURSES

Newspaper Staff

Grade: 10, 11, 12

Credit: 1.5

Prerequisite: "A" or "B" in English and instructor interview

This course plans and manages the school newspaper. Students write the stories and lay out the paper using a computerized process. In addition to writing and editing, students are expected to sell and design advertising, and take photos. Participation in this course is excellent preparation for any student interested in a media-related career.

Speech

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

Basic speaking and speech writing skills are learned in this course. Students give informative, persuasive, radio, and entertaining speeches. Interpretive speeches, including prose, poetry and duos are given. This class prepares students for speech and debate contests.

ENVIRONMENTAL STUDIES COURSES

*Horticulture courses have a \$25 per-term fee. Students on reduced or free lunch can apply for a fee waiver for student costs. See counselor or the school bookkeeper for the forms. Fees MUST be paid or a fee waiver application must be on file.

Introduction to Horticulture Technology and Design*

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

This is an introductory course designed to help students develop an awareness of the field of horticulture. Students are exposed to a variety of activities and labs that provide hands-on learning and the application of scientific principles as they relate to plants. This course is a prerequisite to Horticulture 1



Horticulture Technology and Design 1*

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: Intro. to Horticulture Technology and Design

This course is designed to help students develop a foundation of learning in the field of horticulture. Students are exposed to a variety of activities and labs that provide hands-on learning and the application of industry standards as they relate to the floral and greenhouse industry. Students gain skills in designing and marketing floral, foliage, and flowering crops. Growing plants in our production greenhouses enhances this course work. Occasional guest speakers, industry tours, and service learning opportunities reinforce the class content.



Horticulture Technology and Design 2*

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: Horticulture Technology and Design 1

This course is designed to help students develop the skills and techniques involved in landscape design. Students learn the design principles, and they draw, install, and maintain landscapes. A variety of activities and labs provide for hands-on learning and application of industry



standards as they relate to the landscape industry. Occasional guest speakers, industry tours, and service learning opportunities reinforce the class content.

Discovering Natural Resources

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

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. This course is a prerequisite to Environmental Science I.

Environmental Science

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: Discovering Natural Resources or teacher approval

This course is designed to help students develop a foundation of learning in the field of Natural Resources. This course reinforces communication and problem-solving skills and requires that students work in collaborative groups as well as conduct independent research. The course work is enhanced by the use of data collection instruments and computer technology.

Introduction to Fire Science

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

The Fire Science course allows students to explore the career options available in fire science. Students will explore the history and development of fire services. The course includes the study of tools and equipment used in natural cover fire fighting as well as tactics and procedures.

Articulated Credit Available — PCC



= Capstone Course

ESL (ENGLISH AS A SECOND LANGUAGE) COURSES

Newcomers ESL

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: Meet Placement Test Criteria

This course is designed for the newly arrived student with no previous experience in U.S. schools, with the goal of developing basic language, literacy, and school and community survival skills through a comprehension-based approach.

ESL 1

Grade: 9, 10, 11, 12

Credit: 1.5

Prerequisite: Successful completion of Newcomers or equivalent

Designed for all levels of beginning English learners. Emphasis is on listening, speaking, reading, and writing. The writing process is introduced with the goal of students writing at the paragraph level. The course incorporates content specific vocabulary in preparation for successful mainstreaming into academic courses.

ESL 2

Grade: 9, 10, 11, 12

Credit: 1.5

Prerequisite: Successful completion of ESL 1 or equivalent

Designed for intermediate English language learners. Emphasis is on listening, speaking, reading, and writing. The writing process is continued with the goal of writing short compositions, along with the study of literature, including short stories, novels, plays, and poetry. The course incorporates content specific vocabulary in preparation for successful mainstreaming into academic courses.

ESL 3

Grade: 9, 10, 11, 12

Credit: 1.5

Prerequisite: Successful completion of ESL 2 or equivalent

Designed for advanced English learners. Emphasis is on achieving fluency in speaking, reading, and writing English. The course focuses on refining the skills of communication, research, grammar, and increasing content specific vocabulary. The writing process is emphasized along with the study of literature, including short stories, novels, plays, and poetry.

ESL/Migrant Education Study Skills

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: Concurrent enrollment in an ESL course or Migrant Case Manager recommendation.

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

Spanish Literacy

Grade: 9, 10, 11, 12

Credit: 1.5

Prerequisite: Meet placement criteria

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

FAMILY AND CONSUMER STUDIES COURSES

Child's World

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

The primary goal of this course is for students to understand and analyze the development of infants, toddlers, and preschoolers. This course will include the study of the developmental domains, developmental theories, play, parenting, and curriculum development.



experiences dealing with developmental patterns, health care, and interactions of the child with family and friends.

Child Services 2

Grade: 12

Credit: 1.5

Prerequisite: Child Services I

Child Services 2 is the advanced level course in Hillsboro High School's Early Childhood Education focused program of study. Under the supervision of the teacher, students assume management responsibilities in the Little Spartan Preschool, assist in the planning and organization of the preschool operations, participate in the marketing and business aspects of the program, and complete a senior project with an internship/mentorship directly related to a post high school interest.



Child Services 1

Grade: 11, 12

Credit: 1.5

Prerequisite: Child's World, instructor approval and application.

This course is designed as a continuation of Child's World for students interested in gaining skills and knowledge necessary to aid growth and development of children ages three to five. Students gain the knowledge and professional qualities necessary for entry level employment and/or advancement in early childhood education fields. A preschool is operated by the students from October through June in order to give the students real life



Articulated Credit
Available — PCC



 = Capstone Course

HEALTH COURSES

 = Capstone Course

Health 1

Grade: 9

Credit: .5

Prerequisite: None, required course

Health 1 builds upon the wellness concepts introduced in the seventh grade. Emphasis is on maintaining a balance of mental, social, and physical health. This course is designed to aid the student with health-related decisions by providing them with the necessary information. The units of study include: wellness, decision-making, and goal setting; human growth and development; HIV/AIDS; tobacco, drugs, and alcohol; and prevention of communicable disease and consumer health. This course will also provide an introduction to health careers.

Health 2

Grade: 11

Credit: .5

Prerequisite: Health I, required course

This required course is designed to aid the student with his/her health-related decisions, both now and in the future. The focus is on the total person, integrating physical, social and mental components. Students learn to identify, assess, and evaluate options leading to development of life-long health plans. This class is project-oriented and encourages application of the information to each individual student's life.

Health Foundations

Grade: 11

Credit: 1.0 (.5 Health 2 and .5 Elective credit)

Prerequisite: PE 1, PE 2, HE 1 and Biology

This course provides an introduction to the area of Health Services and health related fields. Students learn medical terminology, basic anatomy, physiology, athletic training techniques, sports injuries, and prevention. Students will also study CPR/First Aid and receive American Red Cross cards after completion. Health Foundations satisfies the Health 2 requirement and is one requirement for the Health Services Focused Program of Study.

Fitness Training and Sports

Medicine

Grade: 12

Credit: 1.5

Prerequisite: Health Foundations

This class is for students interested in pursuing careers in the Health Services area including Sports Medicine and personal training. Topics of study include anatomy and physiology, kinesiology, exercise physiology, sports nutrition, injuries and assessment and program design. The last term includes an internship, research paper and oral presentation. This is the capstone course for the Health Services Focused Program of Study.

INDUSTRIAL TECHNOLOGY AND ENGINEERING SYSTEMS COURSES

*These courses have a \$25 per-term fee. Students on reduced or free lunch can apply for a fee waiver for student costs. See counselor or the school bookkeeper for the forms. Fees must be paid or a fee waiver application must be on file.

COMPUTER SCIENCE & WEB DESIGN

Introduction to Digital Technologies*

Grade: 9,10,11,12

Credit: .5

Prerequisite: None

Students explore how computers are used to make games, control robotic machines and create animation. Students are introduced to a variety game creation and programming tools (Alice or Game Maker, LEGO RCX robots) and languages (Not Quite C, C, C++, and Java). A brief introduction to animation using Macromedia Flash will also be included.

Computer Programming*

Grade: 9,10,11,12

Credit: .5

Prerequisite: Introduction to Digital Technologies

This is an introduction to computer science and computer programming. The course includes an introduction to object-oriented computer programming using the C++ and Java programming languages. Students learn proper programming practices. Some projects will include programming a micro-controller and the creation of simple Java game applets.

Web Design 1*

Grade: 9,10,11,12

Credit: .5

Prerequisite: None

This course is an introduction to web design. Students learn how to create basic web pages using HTML and a text editor. Basic concepts of HTML and X/HTML tags and Cascading Style Sheets (CSS) are emphasized, and students learn how to create Flash animation and embed it into HTML pages.

Web Design 2*

Grade: 9,10,11,12

Credit: .5

Prerequisite: Web Design 1

This course is a continuation of Web Design 1. Students learn how to create more advanced web sites using text editors and WYSIWYG programs. Students use Flash and JavaScript, and create dynamic web sites using technologies such as Active Server Pages (ASP) or PHP. Students also learn how to develop in a "real world" environment by running their own Aache, PHP and MySQL servers using XAMPP, an open-source software solution.

INDUSTRIAL TECHNOLOGY AND ENGINEERING SYSTEMS COURSES

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Articulated Credit Available — PCC



= Capstone Course

ELECTRONICS & ROBOTICS

Electronic Technology 1*

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

This course explores direct current electronics and electricity. The use of electronic test equipment, simple circuit building techniques and analysis are explored. Basic audio systems are analyzed. Student teams modify a bicycle so that it can be powered by pedal or electric motor power and compete in an endurance race. Basic repair skills related to simple car circuit components such as batteries, lights, and fuses are taught.



taught. Students who wish to pursue a career in engineering or go into a technical field should take this course.

Robotics 1*

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

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. Some basic handheld meter reading with simple control circuits is included.

Electronic Technology 2*

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: Electronics Technology 1 and Algebra I with A or B, or Algebra 2 concurrent, or instructor approval.

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 2*

Grade: 10, 11, 12

Credit: .5

Prerequisite: Robotics 1

This course expands upon 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 NXT LEGO® Mindstorms Robots as well as program them to accomplish various challenges. Students also learn to use a 5 axis robotic arm similar to those used in industry and to program with advanced languages. Students participate in or help with a robotics contest.

Electronic Technology 3*

Grade: 10, 11, 12

Credit: .5

Prerequisite: Electronics Technology 2 and Algebra 2

Digital electronics, integrated circuits and circuit operation/analysis are explored at a higher level. Students design and build circuits used in everyday activities. Advanced troubleshooting skills are



CONSTRUCTION

Construction Technology B (\$30 fee per trimester)*

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: None

This course introduces the student to the field of building construction. Basic building construction processes include: blue print reading, foundations, floor framing, wall framing, and roof framing. This is a hands-on class that requires students to participate in the lab activities that reinforce the course content. Students must be prepared to participate in labs and follow safety procedures. Other topics include residential wiring and plumbing.

Construction Technology M (\$30 fee per trimester)*

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: None

This course introduces the student to the field of metal construction processes. Students will learn the basics of arc, gas, and MIG welding processes. Basic lathe and mill machine operations will also be covered in this class. This is a hands-on class that requires students to participate in the lab activities that reinforce the course content. Students must be prepared to participate in labs and follow safety procedures. Students will be required to construct a metals project. upon completion of the skills component.

INDUSTRIAL TECHNOLOGY AND ENGINEERING SYSTEMS COURSES

***Automotive Technology and Woodworking Technology courses have a \$25 per term fee. Students on reduced or free lunch can apply for a fee waiver for student costs. See counselor or the school bookkeeper for the forms. Fees must be paid or a fee waiver application must be on file.**

Articulated Credit Available — PCC



 = Capstone Course

AUTO/WOODS

Automotive Basics*

Grade: 9, 10, 11
Credit: .5

Prerequisite: None

This course is designed for the student who has a desire to learn more about operating and maintaining an automobile. The curriculum focuses on basic car maintenance (basic fluid checks, check tire air pressure, change a tire, and put on chains. Students explore how to buy a car, and shop for insurance.

Automotive Technology 1*

Grade: 9,10, 11, 12
Credit: .5

Prerequisite: None

This course is designed for the student who desires automotive mechanical training. Course work includes classroom theory and hands-on shop activities. The topics covered are: auto shop safety, basic hand tools, precision measurement tools, lubrication, maintenance tasks, and brake systems. The course prepares students to take the Automotive Service Excellence brakes certification test.



Automotive Technology 2*

Grade: 10, 11,12
Credit: .5

Prerequisite: Auto Tech 1

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. This course prepares students to take the Automotive Service Excellence electrical certification test.



Automotive Technology 3*

Grade: 11,12
Credit: .5

Prerequisite: Auto Tech 2

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 an automotive engine. This course prepares the student to take and pass the nationally recognized Automotive Service Excellence Engine Repair Exam.



Automotive Technology 4/5*

Grade: 11,12
Credit: .5

Prerequisite: Auto Tech 3

This course uses an Automotive Service Excellence (ASE) approved curriculum for steering and suspension and prepares the student to have a competitive edge if he/she continues at the community college level. This course also focuses on electrical



troubleshooting and enhances student understanding of computerized engine controls.

Auto Tech 5 will provide students with directed time for accomplishing the extended application of the senior project.

Woodworking Technology 1*

Grade: 9, 10, 11, 12
Credit: .5

Prerequisite: None

Students explore various areas of woodworking, including basic woodworking safety and project design. Students learn initial design theory and cost estimation. This class allows students to complete several projects during the course of the trimester. Students are expected to pay for all materials for their personal projects.



Woodworking Technology 2*

Grade: 9, 10, 11, 12
Credit: .5

Prerequisite: Wood Tech 1

Students continue to enhance the skills gained in Woodworking I by building more advanced projects. The focus is placed on building larger articles of furniture such as tables and chairs. Power tool skill is developed and enhanced in this class. Students are expected to pay for all materials they use for their personal projects.

Woodworking Technology 3*

Grade: 9, 10, 11, 12
Credit: .5

Prerequisite: Wood Tech 2

Students continue to enhance the skills gained in Woodworking 2 by building more complex projects. Students are able to choose projects of their own interest and continue to develop craftsmanship skills. Students are expected to pay for all materials they use for their personal projects.

Woodworking Technology 4*

Grade: 10, 11, 12
Credit: .5

Prerequisite: Wood Tech 3

Students design, cut, assemble, and finish an intricate project of their choosing using skills gained in Woodworking 3. Students build more complicated projects such as dressers or dining room tables during this class. The emphasis is on excellence in producing a polished finished product. Students are expected to pay for all materials they use for their personal projects.



INDUSTRIAL TECHNOLOGY AND ENGINEERING SYSTEMS COURSES

*These courses have a \$25 per-term fee. Students on reduced or free lunch can apply for a fee waiver for student costs. See counselor or the school bookkeeper for the forms. Fees must be paid or a fee waiver application must be on file.

Articulated Credit Available — PCC



 = Capstone Course

ARCHITECTURE/DRAFTING

Principles of Engineering

Grade: 10, 11, 12

Credit: .5 Science, 1.0 Technology when sequenced with Introduction to Engineering Design

Prerequisite: Introduction to Engineering Design or Drafting, Algebra 1

This is a project based course focused on technology and engineering. Students will explore various technology systems and manufacturing processes by building projects like bridges and robots as well as destructive materials testing. Students will use science and technology to help people by solving real-world problems. This course is part of the Project Lead the Way engineering and technology program. This course can provide dual credit in science and technology and integrates the IB MYP science and design technology areas.



Introduction to Engineering

Design 1 (IED 1) *

Grade: 9, 10, 11, 12

Credit: .5 Technology

Prerequisite: None

Students learn how to make drawings of various objects using both hand sketching and 3-D Computer Aided Drafting programs. Basic measuring and scale reading is covered. This is an excellent introduction to creating graphic images used in video games and other electronic media. The process of inventing things that help people often starts with drawings and 3-D models, all of which are introduced in this class. Students will use rapid prototyping equipment, like our 3-D printer, to create a model. This course is part of the Project Lead the Way curriculum and taken with IED 2 will meet the IB MYP Technology requirement. This course was previously named Drafting and Computer Graphics 1.



Introduction to Engineering

Design 2 (IED 2)*

Grade: 9, 10, 11, 12

Credit: .5 Technology

Prerequisite: Introduction to Engineering Design 1 or Drafting 1

Students will work with 3-D Computer Aided Drafting programs and rapid prototype equipment to create drawings and models. The design cycle method of problem solving will be explored as students create designs to help people. This class is part of the Project Lead the Way pre-engineering curriculum. College credit is available and this class meets the IB MYP Technology requirement. Students will use rapid prototyping equipment like our 3-D printer and Laser Cutter to create models. This course was previously named Drafting and Computer Graphics 2.



Drafting and Computer Graphics 3 *

Grade: 10, 11, 12

Credit: .5 Technology

Prerequisite: Drafting 2 or IED 2

Students will work with 3-D CAD programs including AutoDesk Inventor, Solid Works, Rhino 3-D, or MasterCAM. The following types of drawings are studied: 2-D, 3-D, isometric, geometric constructions, multi-view, sectioning, oblique, perspective and developments. The use of precision measuring tools is explored. This course is especially useful for students who plan to major in engineering or design or who are interested in inventing things that help make peoples lives better.



Drafting and Computer Graphics 4 *

Grade: 10, 11, 12

Credit: .5 Technology

Prerequisite: Drafting 3

Students will work with 3-D CAD programs including AutoDesk Inventor, Solid Works, Rhino 3-D, or MasterCAM. Advanced multi-view projections, sectioning, pictorial drawings and developments, dimensioning, intersections, assembly drawings and the use of CNC equipment to create models are all explored. Students will compete in design challenge activities as they create projects such as White Wings airplanes or Design for the Other 90% disadvantaged peoples inventions.



Drafting and Computer Graphics 5 *

Grade: 10, 11, 12 capstone course

Credit: .5 Technology

Prerequisite: Drafting 4

Students will use CAD and rapid prototyping equipment such as CNC mills, laser cutters, and 3-D printers to create a solution to an engineering problem. Students will create the drawings and other documentation to support their project. This class is focused on Invention, Innovation and Design and is designed for completing senior project models and preparing for the senior project presentation.



INDUSTRIAL TECHNOLOGY AND ENGINEERING SYSTEMS COURSES

*These courses have a \$25 per-term fee. Students on reduced or free lunch can apply for a fee waiver for student costs. See counselor or the school bookkeeper for the forms. Fees must be paid or a fee waiver application must be on file.

Articulated Credit Available — PCC



 = Capstone Course

ARCHITECTURE/DRAFTING

Architectural and Interior

Design 1*

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

Students explore basic residential floor plan design, efficient utilization of space and design principles. Students problem solve design opportunities and develop solutions. Basic blueprint reading and architectural symbols are taught. This is an excellent course for students interested in residential home design and/or construction.



Architectural and Interior

Design 2*

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: Architectural and Interior Design 1

The course covers home plan and site selection, roof styles, various types of drawings (i.e., plot, floor, foundation, and elevation), basic dimensioning, lettering, and blueprint reading, and 3-D Computer Aided Drafting (CAD). Students complete drawings for a 3-bedroom/2-bath portion of a home. Students become involved with interior design and basic landscaping as they prepare 3-D computer generated walk-throughs of the space they draw. Students also study various framing and construction details.



Architectural and Interior

Design 3*

Grade: 10, 11, 12

Credit: .5

Prerequisite: Architectural and Interior Design 2

Students complete drawings for a 3-bedroom/2-bath home including plot, floor, foundation, sections, roof, details, and elevations. The entire set of plates are prepared using 3-D Computer Aided Drafting (CAD) and students become involved with interior design and basic landscaping as they prepare 3-D computer snapshots of various areas in the home.



Architectural and Interior

Design 4*

Grade: 10, 11, 12

Credit: .5

Prerequisite: Architectural and Interior Design 3

Students complete drawings for a 3-bedroom/ 2-bath two-story home. New trends in architecture, roof styles, and building costs, are studied. Plot floor, foundation, cross section, elevation, cabinets, and fireplace plans are drawn. Students create a 3-D walk through of the home. A basic model may also be built.



INTRODUCTION TO THE INTERNATIONAL BACCALAUREATE (IB) PROGRAM

MIDDLE YEARS PROGRAM (MYP)

International Baccalaureate Programs

The International Baccalaureate (IB) is an internationally recognized program which offers students an opportunity to experience a rigorous, interdisciplinary course of study in grades 9-12. This program is recognized as the finest college-prep 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 Program 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

Hilhi's IB Middle Years Program (Grades 9-10)

MYP provides a framework of academic challenge that encourages students to embrace and understand the connections between traditional subjects and the real world. The MYP program is the **only** recognized program of preparation for the IB Diploma Program. Through the MYP, we are proud to offer **all** our students the opportunity to develop the academic behaviors, intellectual habits, and knowledge necessary to participate in the Diploma program or one of Hilhi's Focused Programs of Study.

Five Areas of Interaction provide interdisciplinary "lenses" or contexts through which students develop higher-order thinking skills and inquiry as they explore real-world issues:

- Approaches to Learning
- Community and Service
- Health and Social Education
- Environments
- Human Ingenuity

Eight disciplines for all students throughout the MYP years:

- Language A (English Language Arts)
- Humanities (Social Studies)
- Mathematics
- Sciences
- Technology
- Arts
- Physical Education
- Language B (Spanish at South Meadows; Spanish or French at HilHi)

A Personal Project in grade 10 which is the culmination of the student's involvement in the MYP. The project provides students an opportunity to produce a truly creative piece of work and demonstrate the skills they developed during their MYP years.

Starting in the fall of 2009, **all** freshmen will be enrolled in the MYP program. Every student will be a member of a cohort (team) of students.

Each cohort will receive instruction from a common team of teachers in English, Humanities, Mathematics, and Science in grades 9-10.

All students will receive personalized support and monitoring from an MYP advisory teacher.

MYP freshmen will also take courses in Language B (second language), Arts, Technology, and Physical Education.

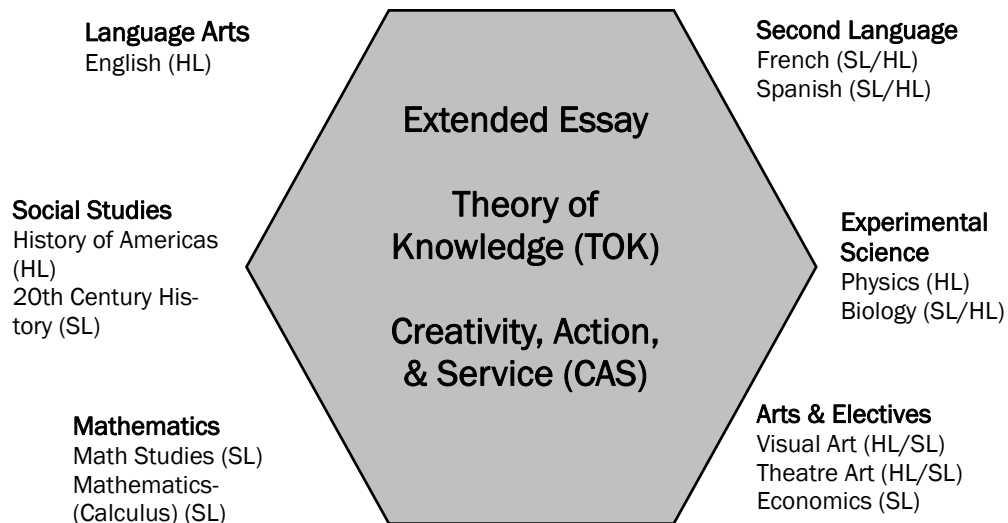
INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAM

International Baccalaureate (IB) Diploma Program

All IB courses are open to all Hilhi students, whether or not students choose to pursue an IB diploma. If you choose to pursue the IB diploma, please see your counselor to ensure that you know and understand what is required.

Students may choose to complete the entire program or individual courses.

The IB courses offered at Hilhi are represented below.



DIPLOMA PROGRAM: The International Baccalaureate Diploma program is a rigorous pre-university course of studies, leading to examinations that meet the needs of highly motivated students. 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.

CURRICULUM: The IB diploma requires students to complete advanced, college-level courses in six curriculum areas, including language arts, second language, 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 a course in the Theory of Knowledge.

EXTENDED ESSAY: Students write an approximately 4000-word essay on a topic of interest. The completion of this essay is supported through students' Junior and Senior IB advisory. Additionally, students fulfill 150 hours of Creativity, Action and Service.

BENEFITS: In the end, students receive:

- An excellent preparation for college.
- An IB Diploma that is recognized worldwide.
- The potential of earning college credit and advanced standing.

LANGUAGE ARTS COURSES

Freshman English

Grade: 9
Credit: 1.0

Prerequisite: None, required course

All areas of communication are addressed. Emphasis is on writing conventions, vocabulary development, reading and composition skills through plays, short stories, essays, and poetry.

Freshman English (Advanced)

Grade: 9
Credit: 1.0

Prerequisite: A grade C or higher is recommended in previous course.

This course is a requirement for freshmen in the pre-IB program, but it is open to all students. Emphasis is on literary analysis, vocabulary development, writing processes, and reading. Students are also required to complete and present independent projects.

Sophomore English

Grade: 10
Credit: 1.0

Prerequisite: None, required course

This required course will build on reading and analysis, writing, vocabulary, and critical thinking skills taught in freshman English. Literature selections include both classical and contemporary works.

Pre-IB Sophomore English (Advanced)

Grade: 10
Credit: 1.0

Prerequisite: A grade C or higher is recommended in previous course

This course is a requirement for sophomores in the Pre-IB program, but is open to all students. This course will build upon the skills acquired in the pre-IB freshmen course with a deeper emphasis on literary analysis and preparation for the IB HL Language A1 assessments.

Junior and Senior Language Arts coursework allows options for students. All students must select one Language Arts course each year.

Junior English

Grade: 11
Credit: 1.0

Prerequisite: None

Junior English is designed to provide students with a strong background in the areas of language, communication, writing, and analysis of British literature. Literature taught consists of novels, short stories, plays, and poems of major British authors.

Humanities

Grade: 12
Credit: 1.0

Prerequisite: A or B in Junior English and instructor recommendation

The subjects studied in Humanities include music, literature, art, and philosophy from ancient Greece to modern day. Instruction in SAT preparation, college composition, and literary analysis are an integral part of this course.

Senior English

Grade: 12
Credit: 1.0

Prerequisite: None

Senior English is a course emphasizing literature, college composition, business correspondence, mechanics reinforcement, grammar, spelling, and vocabulary and SAT preparation.

IB Language Arts I (HL)

Grade: 11
Credit: 1.0

Prerequisite: A grade C or higher in Pre-IB Sophomore English

This course focuses on guiding students through classic and modern literature. The program encourages the development of an ability to critically analyze and understand international literature and culture, including that of the student's society. Included are 1 internal assessment and 2 external IB assessments. *This course is the first half of the 2-year IB English Higher Level course of study.*

IB Language Arts II (HL)

Grade: 12
Credit: 1.5

Prerequisite: IB English 1

This course is a continuation of work begun in IB English 1. Students continue to study works of American and world literature drawn from the IB Prescribed Book List. They engage in close, detailed, and critical examination of written tests through discussions, activities, oral commentaries and critical analysis, and comparison essays. Through the two IB English courses, students are prepared to take the IB Language A1 Exam in the spring of their senior year.

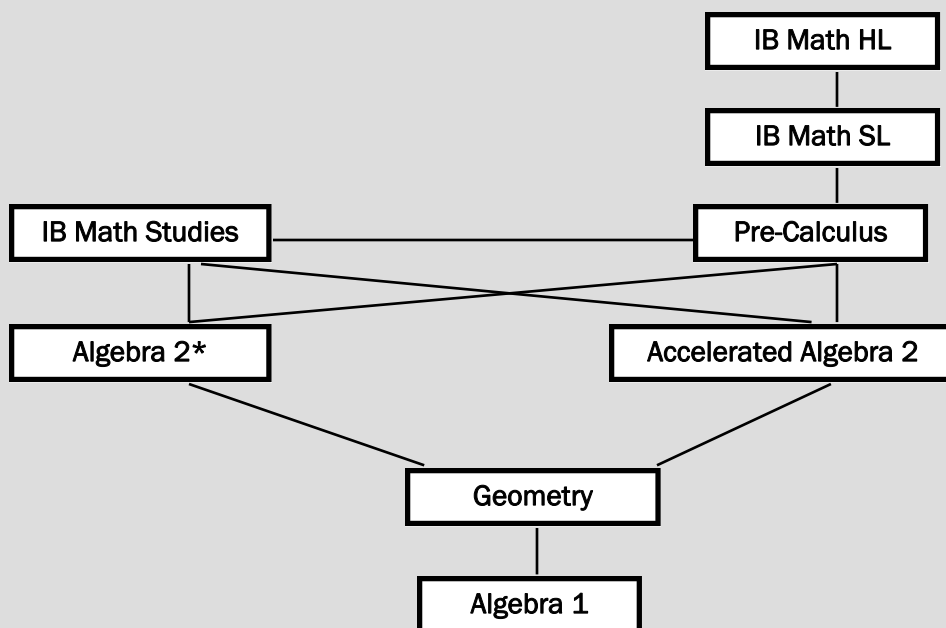
MATHEMATICS COURSES

Unless teacher recommendation or parent approval is secured,

- (a) all trimesters of a prerequisite course must be successfully passed before taking the subsequent course and
- (b) Each trimester of a particular course must be successfully passed before taking the subsequent trimester(s) of that course.

See math instructor about renting or purchasing calculators.

HILHI MATH RECOMMENDED COURSE OF STUDY



*High achieving students in this course can enroll in Pre-Calculus.

To meet the entrance requirements of the four-year Oregon State Universities, students must complete three math courses, including Algebra 2.

Algebra 1

Grade: 9, 10, 11, 12

Credit: 1.5

Prerequisite: Teacher recommendation

The focus of this course is the development of algebraic operations and concepts. Topics include operations with rational numbers, solving equations and inequalities, ratios, proportions, percents, scientific notations, monomials and polynomials, functions and graphs, statistics and probability, radical expressions, and quadratics with factoring. A scientific calculator is needed.

Geometry

Grade: 9, 10, 11, 12

Credit: 1.0

Prerequisite: "C" or better in Algebra 1 and/or instructor recommendation

In this course, students apply logical thinking and reasoning to investigate and/or prove geometric properties by experimentation, observation, use of a variety of geometric tools, and technology applications. Topics include the language and

tools of geometry, line and angle properties, polygon properties, circles, transformation and tessellations, area and volume, similarity, congruency, and right triangle trigonometry. A ruler, compass, protractor, and scientific calculator are needed.

Algebra 2

Grade: 9, 10, 11, 12

Credit: 1.0

Prerequisite: "C" or better in Algebra 1 & Geometry and/or instructor recommendation

Topics in this course include conic sections, operations with numbers, functions, matrices, systems of equations, probability and statistics, series and patterns, powers and roots, quadratic and radical expressions, as well as graphing and solving linear, quadratic, exponential, logarithmic, and third degree equations. A Texas Instruments graphing calculator is needed.

MATHEMATICS COURSES

Unless teacher recommendation or parent approval is secured,

- (a) all trimesters of a prerequisite course must be successfully passed before taking the subsequent course and
- (b) Each trimester of a particular course must be successfully passed before taking the subsequent trimester(s) of that course.

See math instructor about renting or purchasing calculators.

*Pre-Calculus is the beginning of the IB Calculus sequence.

Accelerated Algebra 2

Grade: 9, 10, 11, 12

Credit: 1.0

Prerequisite: "B" or better in Geometry and Algebra 1 and/or instructor recommendation

Accelerated Algebra 2 is designed for those students interested in scientific or technical fields. A more in-depth study of all the topics listed in Algebra 2 are covered. Additional topics include trigonometric relationships and equations and advanced graphing techniques. A Texas Instruments graphing calculator is needed.

IB Math Studies SL

Grade: 11, 12

Credit: 1.5

Prerequisite: "C" or better in Algebra 2

IB Math Studies SL is designed for students with varied backgrounds and abilities who want to maintain their math skills and study a wide variety of topics. Topics reviewed from Algebra 2 to Geometry include linear, quadratic, and exponential functions, trigonometry, coordinate geometry, sequences and series, and area and volume. Internationally emphasized topics include sets and logic, Venn diagrams, financial math, measurement, differential calculus, statistics and probability. Students complete a project based on personal research by collecting, analyzing, and interpreting data. Students may choose to take the Standard Level IB External Assessment in May. A Texas Instruments graphing calculator is needed.

Pre-Calculus*

Grade: 10 11, 12

Credit: 1.0

Prerequisite: A in Algebra 2, B or better in Algebra 2A, and/or instructor recommendation.

Pre-Calculus is a rigorous course that further develops topics studied in Algebra 2/2A and introduces important calculus concepts. Topics include linear, quadratic, polynomial, rational, exponential, logarithmic functions, inequalities, matrices, and systems, complex numbers, parametric equations and polar coordinates, sequences and series, and probability and statistics. These topics are covered thoroughly with multiple representations (theoretical, algebraic, graphical, and applications to real-world problems) with extensive use of a graphing calculator. A Texas Instruments graphing calculator is needed.

IB Mathematics (Calculus) SL

Grade: 11, 12

Credit: 1.5

Prerequisite: "C" or better in Pre-Calculus

IB Mathematics SL is a comprehensive mathematics course that focuses on integral and differential calculus, as well as vectors. It is intended to be a college preparatory course for students who will be seeking degrees that require a higher level mathematical background (business administration, mathematics, economics, chemistry, engineering, etc.) A wide range of mathematical topics will also be reviewed, including functions and equations, trigonometry, and matrices. Students compile a portfolio consisting of problems that use mathematical investigation and mathematical modeling. Students may choose to take the Standard Level IB exam in May. A Texas Instruments graphing calculator is needed.

IB Mathematics HL

Grade: 12

Credit: 1.5

Prerequisite: "C" or better in IB Mathematics SL

IB Mathematics HL is designed for students who expect to include math as a major component of their university studies and will cover descriptive statistics, probability distributions, as well as advanced calculus topics such as infinite sequences and series, improper integral, integration by parts, and first order differential equations. Students compile a portfolio consisting of problems that use mathematical investigation and mathematical modeling. Students may choose to take the Higher Level IB exam in May. A Texas Instruments graphing calculator is needed.

MUSIC COURSES

Band Participation Fee: \$100

Required Materials for Marching Band: Students must buy marching band shoes and gloves at the cost of approximately \$30.

For those who cannot afford the fee, please see the band director.

 = Capstone Course

Concert Band

Grade: 9, 10, 11, 12

Length: Full year

Prerequisite: Director recommendation.

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 for the District Solo and Ensemble Festival held each spring. During the fall season, all students will perform in the marching band for all home football games, competitions, and parades. During the winter season, all students will perform as part of the pep band for home basketball games. Attendance at all Concert Band performances is required.

Symphonic Band

Grade: 9, 10, 11, 12

Credit: 1.5

Prerequisite: Director recommendation.

The Symphonic Band is the school's top performing instrumental group and is comprised of advanced musicians. Students must audition or have the director's approval to be in this class. Members will read and perform advanced concert literature. Emphasis is placed on honing skills of balance, intonation, rhythmic specificity and sight-reading. In the spring, the group will have the opportunity to travel and perform prepared repertoire at a variety of festivals with other top performing groups from around the state. Students will also be expected to prepare solos and/or ensembles for the District Solo and Ensemble Festival held each Spring. Due to the rigor of this class, private lessons are strongly recommended, but are not required. During the fall season, students will perform in the marching band for all home football games, competitions and parades. During the winter season, all students will perform as part of the pep band for home basketball games. Attendance at all Symphonic Band performances is required.

Jazz Band

Grade: 9, 10, 11, 12

Length: Full year

Prerequisite: Director recommendation.

Students enrolled in Jazz Band will explore many aspects of jazz performance, including improvisation, ensemble balance, and stylistic interpretation of a variety of music from the jazz idiom. This ensemble is performance-oriented and will perform at school concerts and statewide jazz festivals. Students must be enrolled in Concert Band or Symphonic Band while they are in this class. Attendance at all performances is mandatory.

Music Percussion

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

This is a class for all those who play drums, or want to play drums. Learn from professional drummers basic through advanced percussion techniques including African drums, drum set, marching drums, mallets, and all aspects of making a beat. This is a performing class with performances during and after school. Any student taking this class must attend mandatory performances and occasional rehearsals that are on evenings and/or weekends. This may include an annual Band Camp scheduled one or two weeks prior to the first day of school.

Hilhi Singers (Choir 1)/Cantatas

Grade: 9, 10, 11, 12

Credit: 1.5

Prerequisite: None

Hilhi Singers is a mixed voice choir. Emphasis is placed on teamwork and the basic fundamentals of singing and musicianship in preparation for Concert Choir and/or Silvertones. A wide variety of choral music is studied and performed at required concerts, festivals, and special programs throughout the year. All students are welcome to register for this class. Students interested in participating as a piano accompanist should contact the instructor directly. Attendance at choir performances is required.

Concert Choir

Grade: 10, 11, 12

Credit: 1.5

Prerequisite: Director approval/audition

Concert Choir is a mixed ensemble for experienced choral students with the desire to learn and perform choral music at high levels of musicality. Strong emphasis is placed on developing advanced vocal technique and musicianship. A wide variety of choral music is studied and performed at required concerts, festivals, and special programs throughout the year. Attendance at choir performances is required.

Encore (Vocal Ensemble)

Grade: 10, 11, 12

Credit: 1.5

Prerequisite: Experienced choral students who audition for one of the 16 positions. Singers must also be in the Concert Choir.

Vocal Ensemble is a performing ensemble for experienced choral students. Advanced choral/vocal music literature for the small ensemble is studied and performed in school concerts, festivals, and special performances for community organizations. Emphasis is placed on developing solo performance skills in jazz, classical, and pop. Attendance at choir performances is required.

PHYSICAL EDUCATION COURSES

After basic developmental and skill work at the freshman and sophomore levels, students are invited to participate in a lifetime sports program. Emphasis is placed upon continued personal fitness through lifetime sports so as to ensure the physical stamina necessary for everyday living.

All courses offered by the Hillsboro High School District are co-educational except those that involve physical contact as defined by Title IX guidelines.

*These Courses have a \$4 per term towel fee

Physical Education 1*

Grade: 9

Credit: .5

Prerequisite: None

Students work toward developing skills and game strategies in both individual and team sports. An on-going personal fitness program allows students to apply acquired knowledge while working towards individual goals.

Physical Education 2*

Grade: 10

Credit: .5

Prerequisite: PE 1

The goal of this course is to develop skills and knowledge that encourage and allow students to practice life-long activities. Students participate in a variety of individual and team sports. An on-going fitness program including both aerobic and anaerobic conditioning is incorporated into activities.

Physical Education 3* (Credit Recovery PE)

Grades: 10, 11, 12

Credit: .5

Prerequisite: None. Elective course, credit recovery opportunity

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.**

Strength Training and Conditioning*

Grade: 10, 11, 12

Credit: .5

Prerequisite: Successful completion of PE I or instructor recommendation.

This course is recommended for students who wish to achieve a high level of physical development through weight training, running, flexibility work, and testing. The weekly structure is a daily weight program of lifts and body workouts. Muscular exercise and physical endurance is discussed and demonstrated. 9th graders may take this course after successful completion of PE 1 and with instructor approval. **This course DOES NOT fulfill PE 1 or PE 2 requirements.**

Advanced Strength Training, Speed and Agility*

Grade: 10, 11, 12

Credit: .5

Prerequisite: C or better in Strength Training and Conditioning.

This course is a continuation of the Strength Training and Conditioning class. Students will continue to pursue their physical development at a higher, more advanced and intense pace. **This course DOES NOT fulfill PE 1 or PE 2 requirements.**

Team Sports*

Grade: 10, 11, 12

Credit: .5

Prerequisite: Successful completion of PE I or instructor recommendation.

This course is recommended for students who want to play a variety of team sports at a more competitive level. Activities may include: fleet ball, basketball, volleyball, indoor soccer, team handball, etc. Advanced game skills and strategies, competitive tournaments and refereeing opportunities are provided. **This course DOES NOT fulfill PE 1 or PE 2 requirements.**

Aerobic/Movement Exercise*

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: Successful completion of PE I. Teacher signature is required.

This course is recommended to students who want to learn a variety of ways to exercise. This class teaches life-long 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 class 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. **This course DOES NOT fulfill PE 1 or PE 2 requirements.**

Required Materials for ALL Physical Education Courses:

- T-Shirt
- Shorts or Sweatpants
- Socks
- Athletic-type shoes (clean, without black waffle soles)
- Sweatshirt—optional (for cold weather)
- Combination or Key Lock (we suggest combination locks since keys are easily lost)
- Hand weights—*Aerobics only*

PE CLOTHING MUST BE SOMETHING OTHER THAN WHAT IS WORN TO SCHOOL!

SCIENCE COURSES

Integrated Science

Grade: 9

Credit: 1.0

Prerequisite: None

Integrated Science is a course designed to help students develop science concepts and skills in a variety of scientific fields. Students build upon knowledge and skills learned in previous science courses as they prepare to meet the science standards for the Certificate of Initial Mastery (CIM). Labs and activities relate to physics, technology, and chemistry. Students learn to make real-world connections between science and their daily lives.

Biology

Grade: 9, 10

Credit: 1.0

Prerequisite: None

Biology is a laboratory-oriented life science. Students are introduced to the major themes of biology, including basic biochemistry, cell biology, basic genetics, classification and taxonomy, and adaptations. Relationships and interactions of organisms are emphasized. Students learn to apply scientific processes to experimental design.

Chemistry

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: Algebra 1 & Biology

Chemistry is a course aimed at college bound students who will major in fields other than science. Chemistry explores physical interactions through an atomic perspective. Major topics of study will include atomic structure, quantum theory, periodic trends, chemical bonding, chemical nomenclature, stoichiometry, aqueous solutions, and the gas laws. Students successfully completing this course will meet the KSUS standards for chemistry.

Accelerated Chemistry

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: Completed or concurrent enrollment in Algebra 2 and Biology is recommended.

A college preparatory course for students interested in engineering, scientific, or medical careers. Accelerated Chemistry deals with many of the modern theories of chemistry including quantum theory, bonding theory, kinetic theory, acid-base theories, and oxidation-reduction theory. The unifying thread of the course is the development of the atomic model. Descriptive chemistry is taught through laboratory work and demonstrations. A scientific calculator is recommended.

Physics

Grade: 11, 12

Credit: 1.0

Prerequisite: Algebra 1, Geometry recommended

Physics is a conceptual course directed at college-bound students who will major in subjects other than science. Physics explores the physical laws of nature. Topics include: the interaction of forces, motion, gravity, energy, electricity, magnetism, sound, and light. The laboratory emphasizes experimental work with some mathematical analysis and technical writing. The course provides good preparation for the generally curious student, as well as those preparing for careers in technology, health, and education.

IB Physics I (HL)

Grade: 11

Credit: 1.0

Prerequisite: B or better in Algebra II and Accelerated Chemistry recommended.

The IB Physics HL program enables students to learn a broad scope of physics at an advanced introductory level suitable for competitive college preparation in the sciences or for general interest. Physics HL I is the first year of a two year, non-calculus based physics program which prepares students for taking the IB Physics HL examination. The course is mathematical and covers topics at a faster pace than general physics. 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 Higher Level IB exam.*

IB Physics II (HL)

Grade: 12

Credit: 1.5

Prerequisite: IB Physics 1 HL

IB Physics HL II completes the IB Physics HL program. Additional topics treated include laboratory IB Internal Assessment, error analysis, waves, sound, light, electrostatics, electric circuits, electromagnetism, atomic physics, quantum and nuclear physics, radioactivity and two extended areas of study in biomedical physics and the history of 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 HL exam. The two-year program is also appropriate preparation for the AP Physics exam given upon completion of additional independent study during the program. Details provided upon enrollment.

SCIENCE COURSES

IB Biology (SL)

Grade: 11, 12

Credit: 1.5

Prerequisite: Chemistry

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 Biology (SL) examinations.

IB Biology I (HL)

Grade: 11

Credit: 1.0

Prerequisite: Chemistry

This course is an even broader and more rigorous, in-depth study of biological concepts than the IB Biology SL course. 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 Biology II (HL)

Grade: 12

Credit: 1.5

Prerequisite: IB Biology 1

This course completes the IB Biology HL curriculum. Topics studied in this course include evolution, 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 Biology (HL) examinations.

Research and Inquiry

Grade: 11/12

Credit: 1.0

Prerequisite: Biology and/or Chemistry or Physics

This course provides students interested in the sciences an opportunity to complete an in-depth, long-term research project. The curriculum is designed around the standardized process for scientific inquiry, as well as the IB model for inquiry. IB students who are completing an extended essay may complete their work within the framework of the class. Students will also have the opportunity to complete action research for their senior project. In all cases students will explore topics that are of interest to them. College bound students who wish to improve research and writing skills will benefit from this class. Students will learn advanced research techniques

SECOND LANGUAGE COURSES

French 1, Spanish 1, Japanese 1

Grade: 9, 10, 11, 12

Credit: 1.0

Prerequisite: None

Students acquire basic language tools and vocabulary. Students work toward a beginning level of language proficiency in speaking, listening, reading, and writing, all of which support the necessary learning in preparation for IB level courses. In addition, they are introduced to the respective cultures of the countries where these languages are spoken.

French 2, Spanish 2, Japanese 2

Grade: 9, 10, 11, 12

Credit: 1.0

Prerequisite: Demonstrated proficiency and a C or better at Level I.

Students continue to increase their level of communicative proficiency and cultural understanding. Students increase vocabulary and understanding of the language structure through oral activities, reading a variety of texts, and writing. This course prepares students for pre-IB-level foreign language courses.

French 3, Spanish 3

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: Demonstrated proficiency and a C or better at Level II.

Students continue to develop reading and writing skills, and deepen their appreciation of the cultures being studied. Speaking proficiency increases through conversations and skits. The opportunity for spontaneous communication is encouraged through real-life simulations. This is a pre-IB level course, but all students who want to continue their language exploration are encouraged to take it.

IB Spanish (SL) (Spanish 4)

IB French (SL) (French 4)

Grade: 11, 12

Credit: 1.5

Prerequisite: Successful completion of 3rd year and/or instructor approval

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 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 Second Language (SL) exam.*

IB Spanish 1 HL (Spanish 4)

IB French 1 HL (French 4)

Credit: 1.0

Grade: 11

Prerequisites: Successful completion of 3rd Year and /or Instructor Approval

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 Spanish 2 HL (Spanish 5)

IB French 2HL (French 5)

Grade: 12

Credit: 1.5

Prerequisites: Successful completion of Spanish/French I HL

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 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. *Students taking this course will be eligible for the IB Second Language B HL exam.*

SECOND LANGUAGE COURSES

American Sign Language 1

Grade: 9, 10, 11, 12

Credit: 1.0

Prerequisite: None

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. ASL 1 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

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: Demonstrated proficiency and a C or better in ASL 1

Students continue to increase their level of communicative proficiency. There is emphasis on increased vocabulary and on understanding 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 the techniques.

SENIOR SEMINAR COURSE

Senior Seminar

Grade: 12

Credit: 0.5

Prerequisite: None, required for students not enrolled in a capstone course



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 Focused Program of Study have an opportunity to work on these senior projects. **Senior Seminar is a required course for all other seniors.** (Students in Focused Programs may enroll in Senior Seminar if they wish additional project support).

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.

 = Capstone Course

SOCIAL SCIENCE COURSES

World Studies

Grade: 9

Credit: 1.0

Prerequisite: None, required course.

This two-trimester course combines the theme of western civilizations with current issues and historical events in economics, government, geography, and literature. There will be additional emphasis on research, essay writing, and speech techniques. Students are also required to complete projects demonstrating the ability to self-direct learning, deliberate on public issues, and communicate effectively.

American Studies

Grade: 10

Credit: .5

Prerequisite: None, required course.

This course examines the causes, characteristics, and impacts of the political, economic, and social developments in the history of the United States from 1900-1945. Topics include: Progressive Reform, World War I, the 1920s, the Great Depression, New Deal, and World War II.

Pre-IB American Studies

(Advanced)

Grade: 10

Length: 2 terms

Credit: 1.5

Prerequisite: A grade C or higher is recommended in previous Social Studies courses.

This course serves as a preparatory course for the IB program. It combines the curricula of Government with a historical focus. The class examines the events from Exploration to the Civil War, emphasizing political concepts.

Modern America & the World

Grade: 11

Credit: .5

Prerequisite: None, required course.

This course examines the post-World War II history of the United States in the larger context of world events. Topics include the Cold War and its aftermath, international issues and policies, human rights struggles, and revolutionary movements.

Economics

Grade: 12

Credit: .5

Prerequisite: None, required course.

This course introduces foundation concepts such as scarcity and supply and demand, examines the principles and concepts of micro and macroeconomics, and explores comparative economic systems and the world economy. Emphasis is placed on research and discussion of current economic issues with a goal of making the student economically literate.

IB Economics (SL)

Grade: 11, 12

Credit: 1.5

Prerequisite: A grade C or higher is recommended in previous Social Studies courses.

A strong background in the social sciences is recommended for this Standard Level course. The course aims to develop in students disciplined skills of economic reasoning; an ability to apply the tools of economic analysis to situations and data and explain the findings clearly; an understanding of how individuals, organizations, and regions organize themselves in the pursuit of economic objectives; an ability to evaluate economic theories, concepts, situations and data; and international perspectives for understanding the interdependence and diversity of economic realities in which individuals, organizations and societies function. Topics covered to facilitate these aims include resources and markets, business economics, macroeconomic arguments, international issues, and development economics.

IB Geography SL

Grade: 11,12

Credit: 1.5

Prerequisite: A grade C or higher is recommended in previous Social Studies courses.

The principle aim of this three trimester course is to connect the student to the world using key geographic skills, concepts, and themes. A secondary aim is to connect students to their environment by using a "hands on" local geography approach to teach basic concepts and skills. Each trimester will focus on one of the course's three required elements: skills, core theme, and optional themes. The Model United Nations program will be incorporated into the second and third trimesters to facilitate the teaching of course themes & social science analysis and to serve as the basis of an IB internal assessment.

IB 20th Century History (SL)

Grade: 11,12

Credit: 1.5

Prerequisite: A grade C or higher is recommended in previous Social Studies courses.

This course focuses on two major themes designated in the IB curriculum: Arab/Israeli Conflict and The Cold War in Crisis: 1976-89. The course employs case studies and economics in order to have students explore the themes present in 20th Century history. 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. In the end, students are prepared to sit for the Standard Level IB exam.

SOCIAL SCIENCE COURSES



IB History of the Americas I (HL)

Grade: 11

Credit: 1.0

Prerequisite: A grade C or higher is recommended in previous Social Studies courses.

IB 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 20th Century. *This course is the first of the two courses leading to examination in History at the Higher Level.*

IB History of the Americas II (HL)

Grade: 12

Credit: 1.5

Prerequisites: IB History of the Americas 1

This is the second year of a two-year course designed to meet the requirements of the IB History curriculum and to prepare students for the three externally moderated exams. This course focuses on three major themes designated in the IB curriculum: Arab/Israeli Conflict and The cold War in Crisis: 1976-89. The course employs case studies in order to have students explore the themes present in 20th Century history in these regions. 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 IB History of the Americas I and II, in conjunction with Advanced American Studies, fulfills graduation requirements in Economics and People and Politics.

IB Theory of Knowledge I & II

Grade: 11, 12

Credit: .5

Prerequisite: None

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. TOK II explores the curriculum in TOK I in even greater depth.

People & Politics

Grade: 12

Credit: .5

Prerequisite: None, required class.

People and Politics focuses on how people are involved in the American political process. It also examines the organizations

and functions of the government. Topics ranging from citizen participation, political parties, and campaigns to local, state, and national governments is covered. Student participation in a variety of classroom and political activities is a strong emphasis of this course.

Psychology

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

Do you want to have a better understanding of the origins and motivations of our behavior and thought patterns? Are you willing to apply the principles of psychology to learn why we behave and act the way we do? This course explores such topics as: personality theories, the relationship of the brain, the senses, and the body to understand how we experience life, mental illness, relationships, feelings and stress. Independent reading, research, and projects are requirements of the course.

You and the Law

Grade: 10, 11, 12

Credit: .5

Prerequisite: None

This course is a hands-on approach to understanding the legal system and current trends in the law. Mock trials centering on legal issues teach students about process, preparations, research, courtroom drama, precedents, and verdicts. This course is for the student who wants an increased knowledge of the legal system and how it works.

Leadership 1

Grade: 9, 10, 11, 12 (pending registration numbers)

Credit: 1 Trimester/ .5 credit

Prerequisite: None

The major purpose of this course is to teach, train and develop within students the behaviors of good leadership. The basic skills of committee organization, goal setting, decision making, time management, and all aspects of personal leadership are included. Students help plan school activities such as service learning, appreciation/recognition, dances, events, assemblies, etc. **Leadership I is open to all students who want to develop and practice leadership skills.**

Leadership 2

Grade: 9, 10, 11, 12

Credit: Year long course/ 1.5 credits

Prerequisite: Elected or appointed to a student government office. Required for elected and appointed officers. Completion of Leadership I or middle school leadership experience strongly recommended.

This is a course for elected and appointed student government officers. Students plan, manage and evaluate Hihli activities while developing leadership skills. School and community service is an integral part of the curriculum.

SPECIAL EDUCATION COURSES

Language Arts Concepts and Applications 1-M

Grade(s): Suggested for 9-10

Placement Criteria: IEP Team Decision

Credit: 1.0 Language Arts Core Credit Standard or Modified Diploma

This course is designed for students who need basic, systematic and thorough instruction in writing, reading, organization, and speaking and listening. Throughout the course, students will practice sentence and paragraph structure, basic phonemic awareness, reading for literal comprehension, and building good study habits. Students will practice specific writing and reading techniques, such as: word recognition and spelling, vocabulary and morphology, grammar, and usage. The course will also include the use of assistive technology in both reading and writing.

Language Arts Concepts and Applications 2-M

Grade(s): Suggested for 9-10

Placement Criteria: IEP Team Decision

Credit: 1.0 Language Arts Core Credit Standard or Modified Diploma

This course is designed for students who need continued systematic and thorough instruction in writing, reading, organization, and speaking and listening. Students will expand sentence and paragraph structure, continue to develop decoding, fluency, and reading comprehension skills and refine study habits. Students will learn literary terms and devices in context. The course will also include the use of assistive technology in both reading and writing.

Advanced Language Arts Concepts and Applications-M

Grade(s): Suggested for 9-10

Placement Criteria: IEP Team Decision

Credit: 1.0 Language Arts Core Credit Standard or Modified Diploma

This course is designed for students who have completed the first course (above), or who enter ninth grade ready for a more fast-paced class that will prepare them for the regular high school language arts courses. It will review the basic skills taught in their language arts concepts and applications class and then move quickly into more advanced writing skills, literary forms, speaking and listening skills, and organizational skills. During the term the class will be reading a novel and practice identifying foreshadowing, plot map elements, and making predictions. They will continue to utilize technology in their work.

Applied Language Arts-M

Grade(s): 11-12

Placement Criteria: IEP Team Decision

Credit: 1.0 Language Arts Core Credit Modified Diploma

This course is designed to teach students

practical reading, writing, speaking and listening skills to prepare students for life after graduation. It will cover such skills as personal and functional writing, reading for information and enjoyment, and interpersonal skills.

Content Area Strategies 1-M

Grade(s): Suggested for 9-11

Placement Criteria: IEP Team Decision

Credit: 1.0 Elective Credit Standard Diploma

This course is designed as a support to be taken concurrently with a general education English, Science, Health and/or Social Studies. It will provide direct instruction and guided practice in the areas of writing, comprehension of informational and literary text, research and technical writing. Skill development will focus on literal comprehension and paragraph development. Study skills relevant to content area classes will be taught.

Content Area Strategies 2-M

Grade(s): Suggested for 9-12

Placement Criteria: IEP Team Decision

Credit: 1.0 Elective Credit Standard Diploma

This course is designed as a support to be taken concurrently with a general education English, Science, Health and/or Social Studies. It will provide direct instruction and guided practice in the areas of writing, comprehension of informational and literary text, research and technical writing. Skill development will focus on inferential comprehension and essay development. Study skills relevant to content area classes will be taught.

Reading 1-M

Grade(s): Suggested for 9-10

Placement Criteria: IEP Team Decision

Credit: .5 - 1.0 Elective Credit Standard or Modified Diploma

This course is designed for students who need direct and intensive instruction in the core components of reading. Reading 1 will focus on improving students' ability to decode text accurately and fluently, increasing word knowledge through vocabulary development and developing a general understanding of literal and informational text. This class must be taken concurrently with Language Arts Concepts and Applications.

Reading 2-M

Grade(s): Suggested for 9-10

Placement Criteria: IEP Team Decision

Credit: .5 - 1.0 Elective Credit Standard or Modified Diploma

This course is designed for students who have basic decoding skills but need to continue developing fluency, vocabulary, and comprehension (literal and inferential) skills through the use of literary and informational text. This class must be taken concurrently with Language Arts Concepts and Applications.

SPECIAL EDUCATION COURSES

Math Concepts and Applications-M

Grade(s): Suggested for 9-10

Placement Criteria: IEP Team Decision

Credit: 1.0 Math Core Credit Standard or Modified Diploma

This course is designed for students who need systematic and thorough instruction in all arithmetic operations, many opportunities for practice, and extensive work applying math in real life situations. Throughout the course, students will practice translating word problems into mathematical statements that can be solved. In each unit, students will practice rounding and estimating to predict answers and check for “reasonableness” of answers. The course will also include technology-assisted work on basic math facts.

Advanced Math Concepts and Applications-M

Grade(s): Suggested for 9-11

Placement Criteria: IEP Team Decision

Credit: 1.0 Math Core Credit Standard or Modified Diploma

This course is designed for students who have completed the first course, or who enter ninth grade ready for a more fast-paced class that will prepare them for high school math and science classes. The course will include review of basic arithmetic operations but will move quickly into more advanced work with decimals, percents, fractions, measurement, statistics and probability, and geometry. Throughout the course, students will use rounding and estimation to predict answers and check for “reasonableness” of answers, and will learn to use a variety of problem-solving techniques. Technology-assisted work on basic math facts will be available for students who need to develop fluency.

Math for Consumers and Citizens-M

Grade(s): 11-12

Placement Criteria: IEP Team Decision

Credit: 1.0 Math Core Credit Modified Diploma

This course is designed to prepare students to use math as consumers and citizens. The units will cover a wide range of consumer topics including employment compensation, benefits, employment taxes, comparison-shopping, budgeting, banking, investing, and use of credit.

Academic Development for Math-M

Grade(s): 9 - 12

Placement Criteria: IEP Team Decision

Credit: 1.0 Elective Credit Standard Diploma

This course is designed as a support class to be taken concurrently with Pre-Algebra or Algebra 1. It will provide additional direct instruction and guided practice with pre-algebra or algebra concepts. Study skills relevant to math classes will be taught. Part of each class period will be devoted to answering questions and assisting students with homework from the

general education class. Technology-assisted drill on basic math facts will be available for students who need to work on fluency.

Foundations for the Future I-M

Grade(s): Suggested for 9

Placement Criteria: IEP Team Decision

Credit: .5 elective

This course is designed for students who need to learn about personal strengths and weaknesses, to set goals, and develop skills that will help them make good decisions and become more successful students. In the units, students will gain knowledge of their best personal learning style(s), learn how to improve their organizational and time management skills, test-taking strategies, and personal interactions in school.

Foundations for the Future 2-M

Grade(s): Suggested for 10

Placement Criteria: IEP Team Decision

Credit: .5 elective

This course is designed for students who need to learn about problem-solving, self-advocacy 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.

Careers-M

Grade(s): Suggested for 11

Placement Criteria: IEP Team Decision

Credit: .5 elective

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.

World of Work-M

Grade(s): Suggested for 12

Placement Criteria: IEP Team Decision

Credit: .5 elective

This course is designed for students who need to develop knowledge and skills required for successful employment. In the units, students will look how and where to find job openings and develop the skills necessary to get and keep a job. Modified Diploma students may fulfill their Senior Seminar requirements through this course.

SPECIAL EDUCATION COURSES

Transition-M

Grade(s): 12

Placement Criteria: IEP Team Decision

Credit: .5 elective

This course is designed for students who experience a disability in being prepared to enter post-secondary education. In the units, students 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 (IDEIA vs. ADA), and how to access college disability services.

Civics-M

Grade(s): Suggested for 12

Placement Criteria: IEP Team Decision

Credit: .5 Fulfills Social Studies Requirement Modified Diploma

This course is designed for students who need instruction relating to voting, citizenship, and government to become productive adults. In the units, students will learn where laws come from, rights and responsibilities as citizens, and community resources.

Work Experience-M

Grade(s): 10-12 repeatable

Placement Criteria: IEP Team Decision

Credit: .5 elective

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.

ON & OFF CAMPUS SUPPLEMENTAL OPPORTUNITIES

A variety of options are available through the Hillsboro School District to assist in individualizing programs to meet the needs and interests of students. Some options are available at the school site and others are at different locations. **Contact counselors for further information and eligibility requirements regarding all programs listed below.**

Credit Recovery

Grade: 12 (11, if space is available)

Credit: .5

Prerequisite: Counselor recommendation

Credit recovery provides an opportunity for students to earn credit that is required for graduation, but has been failed. This program allows students to recoup credit through individualized coursework without repeating the class.

Independent Study

Grade: 11, 12

Credit: .5

Prerequisite: Parent, teacher, and admin. approval.

This is an opportunity for students to work in any curriculum area on their own, without constant direction and supervision. Activities might include reading, writing, listening, creating, building, participating, or lab experiments.

Professional Technical Education & Project Advance Articulation Programs

“Articulated courses” are college level courses taught at a high school, by high school teachers, which result in students earning college credit. The courses are part of, and give students a “jump start” on, a college degree or certificate program. Articulation is an ongoing collaboration between high school and college faculty. Articulated credit is available to juniors and seniors. Courses that offer articulated credit are designated by the PCC logo. There is a nominal fee paid to PCC for this opportunity.

Proficiency Based Credits

Grades: 11, 12

Length: 1 term

Credit: 0.5

Hillsboro School District students may earn required and/or elective credit for their life experiences, including work, by demonstrating “mastery or competency which demonstrates equivalent knowledge or skill.” The student will be required to provide samples of work, documentation, and/or evidence of learning, and to present this evidence to a panel. Opportunities are provided in addition to regular coursework at each school during the year and as an optional summer school experience. For more information or to apply for a proficiency-based credit opportunity, please see your counselor. Program approval is dependent on staff availability.

Teacher's Aide

Grade: 10, 11, 12

Credit: .5

Prerequisite: Staff approval

Student aides may work with and assist teachers or counselors, or work in the library. Student aides participate in their activity five days per week. Teachers provide students with a job description that will help determine the student's grade. The learning experience will simulate a job.

ON & OFF CAMPUS SUPPLEMENTAL OPPORTUNITIES

A variety of options are available through the Hillsboro School District to assist in individualizing programs to meet the needs and interests of students. Some options are available at the school site and others are at different locations. **Contact counselors for further information and eligibility requirements regarding all programs listed below.**

Miller Education High School

Alternative School: Alternative School is a program for students who need an opportunity to engage in learning in a different educational environment and may be experiencing academic difficulty. Students must apply for the program, be interviewed and selected, as there are a limited number of spaces available.

Outreach Recovery Program: This program provides students 16-21 years of age GED preparation, work skills, training services, and basic skills instruction. Many of these services are provided in the late afternoon and early evening hours. The program is open enrollment.

A summer program is also available.

Twilight School: Students attend sessions (1.5 hours) during the afternoon and early evening to make up credit deficiencies. No original credit is offered. The curriculum is self-paced and based on mastery learning principles. There is usually a waiting list for entry, so priority is given to seniors with credits needed to graduate.

Connect: For low income youth, ages 16 - 21, who are not in school. The program offers free GED classes, options for high school credit recovery, job skills training, and employment counseling.

Transitions Options Program (TOPS): The Transition Options Program is located at Miller Education High School. TOPS assists students in completion of diploma requirements or GED. Students served in this program include fifth-year seniors with four to six credits needed to graduate from high school. An ESL option is available for students who want to complete requirements for the GED in Spanish. Support is also provided for high school students with limited English proficiency who are working toward a high school diploma.

WorkSystems, Inc.: The Department of Labor funds two Hillsboro programs through WorkSystems, Inc. for low income, at-risk students. The In-School Program is designed for sophomores and juniors to participate in a year round program of support. They gain basic skills and pre-employment training while participating

in work crew activities in the community. Post-secondary campus visits and options are explored.

CAPITAL Center Technology Institute:

For Information:

CAPITAL Center High School Technology Institute

18640 NW Walker Road Suite 1310

Beaverton, OR 97006

(503) 614-1740

(503) 614-1741 - Fax

CAPITAL Center High School Technology Institute, a regional high school serving Washington County high school students, offers programs to juniors and seniors in the areas of: Automotive Technology Business Management, Electronic Engineering, Engineering, Fire Science, Information Technology, Introduction to Animation, 3-D Design, Law Enforcement and Teaching as a Profession. Students experience career exploration, job shadows and internships. In many courses, students can earn community college or university credit in addition to satisfying academic and diploma high school graduation requirements. Each program is designed to give students a solid grounding in the area of study, including career exploration, work experience and internship opportunities. Some instruction may be delivered through distance learning. Employability skills are emphasized in each area. An application is required for admittance to the program.

Students in most programs can earn college credits through Oregon Institute of Technology or Portland Community College. By successfully completing a CAPITAL Center program a student will also meet important elements of earning a high school diploma. Specifically, each successful student will meet:

- Career-Related Learning Standards
- Career-Related Learning Experiences
- Extended Application

The programs meet at the CAPITAL Center at 185th and Walker Road in Beaverton or other sites as indicated. Transportation is provided.

For Application Information: Contact your high school counselor.

ON & OFF CAMPUS SUPPLEMENTAL OPPORTUNITIES

A variety of options are available through the Hillsboro School District to assist in individualizing programs to meet the needs and interests of students. Some options are available at the school site and others are at different locations. **Contact counselors for further information and eligibility requirements regarding all programs listed below.**

Oregon National Guard Youth Challenge

Program: OYCP, a residential program located in central Oregon, serves youth ages 16-18, male and female, who are drug-free and have had no previous felony convictions. OYCP targets students who have dropped out of high school or are likely to drop out. Students are enrolled for five and one-half months, during which time they can earn up to eight credits toward a high school diploma or earn a GED. For more information see www.oypc.com

Individual High School Programs—Hilhi

This summer, each high school will provide instruction for credit recovery to current 08-09 freshmen, sophomores, and juniors using PLATO programs. This 3-week session will begin as soon as school is out and will offer two 1 ½ hour classes. Curriculum is designed to meet District and state standards and students are able to move at their own pace. Individual students may contract to complete work at home and then take final assessments and/or present projects with the instructor at school. Students will be expected to pay a \$50 fee per .5 credit. Students identified on free- or reduced lunch will receive the funds back once they have completed the credit.

OHDC/GED Program: The Oregon Human Development Corporation program is targeted for low-income qualifying students. A combination of pre-employment training, GED preparation, paid work experience, and counseling is offered. Instruction is small group or one-on-one.

PCC Gateway to College: The Gateway to College program at PCC serves at-risk youth, 16-20 years old, at risk for dropping out of school. The program gives students the opportunity to earn a high school diploma while achieving college success. Students simultaneously accumulate high school and college credits, earning their high school diploma while progressing toward an associate degree.

PCC Tuition Program: Under certain

conditions, students may withdraw from a District school, attend Portland Community College classes, and receive tuition reimbursement.

Applications must be submitted and approved in advance. Reimbursement is provided after successfully completing the course. The Assistant Superintendent of School Improvement approves reimbursement upon receipt of grade card and tuition receipts.

Expanded Options

Grade: 10, 11, 12

Credit: Varies

Prerequisite: Appropriate HS pre-requisites; parent, counselor and admin approval

Expanded Options provides an opportunity to attend college level classes while still in high school with tuition paid by 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.

SK Online: SK Online is an alternative program delivering web-based curriculum to students living in the Salem-Keizer Public School District as well as to students in other districts. The purpose is to provide online learning 24 hours a day, seven days a week to any school-aged student who needs acceleration or remediation, is credit deficient, has scheduling conflicts in his/her regular school, or medical considerations.

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