

VIKING COURSE GUIDE 2012-2013



ROSEVILLE JOINT UNION HIGH SCHOOL DISTRICT

Registration and Letter of Introduction

The Oakmont High School Course Catalog is provided as an educational tool to assist students and parents in making informed decisions about a rigorous educational plan that will guide students toward successful academic achievement as well as post-secondary and future employment.

Our staff encourages students and parents to make thoughtful and informed decisions during the course selection process. Site guidance counselors are available to advise both parents and students regarding course selection and college/career preparation. Please contact your counselor at any time throughout the registration process for assistance.

It is, also, highly recommended that each student complete and update his/her Personal Educational Plan throughout his/her four years of high school (see page 9).

Course Selection 2012-2013

It is very important that students follow the course selection requirements and/or recommendations listed below to ensure proper enrollment for the 2012-2013 school year. We ask that students:

- 1) Read course selection forms carefully and adhere to all instructions listed before selecting any new courses.
- 2) Review transcript and complete or revise their four-year educational plan. Students must complete all graduation and enrollment requirements. In addition they should select courses that support their plans for college and other training.
- 3) Be certain they meet the prerequisite for the courses selected. If a course requires teacher permission, they must obtain the proper signature on the course selection form and must follow the application, try-out, or placement procedures designated for the course.
- 4) Students **MUST** register on-line within the time frame allotted for all courses requested for the 2012-2013 school year.
- 5) Submit completed course selection form with a parent's or guardian's signature on or before the designated deadline.

The course descriptions contained in this catalog will provide clarification of courses offered at OHS as well as provide students with assistance in making their final selections for registration. Students and parents may access this catalog on the Oakmont High **School web page www.oakmont.org**

Teaching staff needs for the 2012-2013 school year will be based upon the data gathered from course selection. The number of students requesting each course offered will determine which courses will be offered and the number of teachers needed to teach these courses. Therefore, students should plan and select their courses carefully. It will be extremely difficult to change a course once a selection is made.

Table of Contents

Academic Course Planning and Graduation Requirements.....	4
International Baccalaureate Course of Study.....	7
Health Careers Course of Study.....	7
UC/CSU A-G Course Offerings.....	8
Post Secondary Opportunities and College Systems.....	9
Special Programs.....	10
Course Offerings.....	12-58
AVID.....	12
International Baccalaureate Program.....	13
Health Careers Academy.....	18
Business.....	22
Family and Consumer Sciences.....	24
Industrial Technology.....	26
Media Technology.....	28
English.....	30
Health and Physical Education.....	34
Mathematics.....	36
Science.....	38
Social Science.....	40
Special Education.....	43
Student Academic Support.....	45
Visual and Performing Arts.....	47
World Languages.....	52
Leadership Electives.....	55
49er Regional Occupational Program (ROP).....	57
OHS Guidance Department—Policies and Procedures.....	59

Oakmont High School.....782-3781
Student Services.....ext. 2017
Attendance Office..... ext. 2010
Registrar..... .. ext. 2007

Academic Course Planning & Graduation Requirements

To graduate from Oakmont High School, students must:

- Pass all courses required for graduation (see below District Graduation Requirements)
- Earn a minimum of 260 total credits (credits earned for courses passed)
- Pass the California High School Exit Exam

To best prepare for community colleges and to qualify for UC/CSU/4 year colleges and universities:

- Complete at least the minimum college preparatory ‘a – g’ courses with grades of “C” or better
- Complete the SAT I or ACT (plus Writing) and at least two (2) SAT Subject tests (UCs only)

a – g	Subject	District Graduation Requirements	UC/CSU Entrance Requirements
a.	History/Social Science	3 YEARS World Studies (10th), US History (11th), Government & Economics (12th)	2 YEARS World Studies or AP European History US History or AP US History
b.	English	4 YEARS	4 YEARS
c.	Mathematics	2 YEARS (at and above Algebra 1)	3 years (4 recommended) (Min. of Algebra 1, Geometry, Algebra 2)
d.	Laboratory Science	2 YEARS (1 year Life & 1 year Physical)	2 YEARS (3 recommended) (Biology and Chemistry)
e.	Language other than English	1 YEAR (or 1 year Visual / Performing Art)	2 YEARS (3 recommended) (of the same language)
f.	Visual and Performing Arts	1 YEAR (or 1 year Language other than English)	1 YEAR
g.	Electives	11 total elective courses (at least one CP elective)	1 YEAR (see ‘a – g’ Certified Course List)
Physical Education		2 YEARS (9th & 10th grades)	N/A
Health		1 YEAR	N/A
California High School Exit Exam			All students must pass both ELA & MATH

4 Year Planner – Projected Courses:

9th Grade	10 Grade	11th Grade	12 Grade
CP English 9	CP English 10 or H English 10	CP English 11 or AP Lang and Comp	CP English 12 or AP Lit and Comp
Health & Safety	World Studies or AP Euro History	US History or AP US History	Govt. / AP Govt. & Economics
Math:	Math:	Math (a-g plan)	Math (a-g plan):
PE 9	PE 10	*LOTE (a-g plan):	
SCIENCE:	SCIENCE:	SCIENCE:	
*VAPA/LOTE:		*LOTE:	
PSAT – October SAT Subject Tests – Feb or June (optional)	PSAT – October SAT I/ACT – May or June SAT Subject Tests – May or June	SAT / ACT & Subject Tests – no later than December	
* Courses may be taken at different grade levels.			

Sample Four Year Plans

Samples are not intended to imply rigid schedules, and are flexible depending on student goals.

Sample A: Projected Courses

Minimum UC/CSU a – g Plan			
9th Grade	10th Grade	11th Grade	12th Grade
CP English 9	CP English 10 (H Eng 10)	CP English 11 (AP Lang)	CP English 12 (AP Lit)
Health & Safety	World Studies (AP Euro)	US History (AP US Hist)	Govt & Econ (AP MacEcon)
Algebra 1	Geometry	Algebra II	Pre-Calculus (H- PreCal)
PE 9	PE 10	World Language 3	Elective
World Language 1	World Language 2	Physics	Elective
Biology	Chemistry (Honors Chemistry)	Elective	Elective
VAPA 1	VAPA 2	Elective	Elective
Elective	Elective	Elective	Elective

Sample B: Projected Courses

Rigorous UC/CSU <i>a – g</i> Plan			
9 th Grade	10 th Grade	11 th Grade	12 th Grade
Frosh	Sophomore	Junior	Senior
CP English 9	CP English 10 (H Eng 10)	CP English 11 (AP Lang)	CP English 12 (AP Lit)
Health & Safety	World Studies (AP Euro)	US History (AP US Hist)	Govt & Econ (AP Mac Econ)
Algebra 1	Geometry	Algebra II	AP Calculus AB
PE 9	PE 10	H Pre-Calculus	AP Calculus BC
World Language 1	World Language 2	World Language 3	World Language 4
Biology	Chemistry	Physics	'AP' World Language
VAPA 1	Honors Chemistry	AP Physics	Elective
Elective	VAPA 2	Elective	Elective

Sample C: Projected Courses

Community College / Career and Technical Education			
9 th Grade	10 th Grade	11 th Grade	12 th Grade
Frosh	Sophomore	Junior	Senior
CP English 9	CP English 10 (H Eng 10)	CP English 11 (AP Lang)	CP English 12 (AP Lit)
Health & Safety	World Studies (AP Euro)	US History (AP US Hist)	Govt & Econ (AP MacEcon)
Algebra 1	Geometry	Algebra II	Add'l Math/Science
PE 9	PE 10	Add'l Science	CTE Course
Biology	Conceptual Physics or Chemistry	Add'l World Lang or VAPA	49er ROP
World Language 1	World Language 2	CTE Course	49er ROP
CTE course	CTE Course	Elective	49er ROP
VAPA	Elective or VAPA 2	Elective	49er ROP

IB Course of Study

This is a sample of the course of study over the 9th and 10th grade years.

9 th Grade Term 1	9 th Grade Term 2	10 th Grade Term 1	10 th Grade Term 2
Health	Geography or Computer Apps I	Honors English 10 blocked with AP European History	
Algebra 1 or Elective	Geometry	PE 10	H Chemistry or Physics
PE 9	CP Biology	Algebra 2	Elective or Pre Calculus
Spanish 1 or French 1	Elective	Spanish 2 or French 2	Spanish 3 or French 3

This is a sample of the course of study over the 11th and 12th grade years. This is subject to change depending on the number of IB students each year.

11 th Grade Term 1	11 th Grade Term 2	12 th Grade Term 1	12 th Grade Term 2
IB History HL blocked with IB English HL (both terms)		IB History HL blocked with IB English HL (both terms)	
IB Biology HL	IB Math SL	TOK blocked with Economics	Elective
Spanish SL or French SL (both terms)		Visual Arts SL/HL or another science or Design Tech. or Geography	
Elective	TOK blocked with Government	IB Biology HL	IB Math SL

Health Careers Course of Study

Sophomore Year	Junior Year	Senior Year
English 10 ©, P	CP English 11 ©, P	CP English 12 ©, P
World History ©, P	U.S. History ©, P	American Government/Economics ©, P
CP Biology ©, P, X Or Physics	Chemistry ©, P	Medical Trends Seminar ©
Intro to Medicine ©	Advanced Medical Sciences © (two periods—morning)	Advanced Academy Elective
Math	Math	

© - This denotes an academy class that is required for the academy and is restricted to academy students.

P – Satisfies one of the UC/CSU college preparation requirements.

X – Only students who have passed Biology in the freshman year should take physics

UC/CSU A-G Course Offerings at OHS for 2012-13

University of California / California State University
 a - g Certified Course List Oakmont High School 2012 - 2013
 This list is updated yearly as new courses are submitted

a. HISTORY/SOCIAL SCIENCE		f. VISUAL AND PERFORMING ARTS	
World Studies	Art 1	Concert Choir	
US History	Art 2	Chamber Choir	
Government	Art 3	Drama	
AP European History	Photography 1	Guitar	
AP US History	Photography 2	Advanced Drama	
AP MacroEconomics	AP Art History	Professional Drama	
IB History of the Americas HL	AP Studio Art	Dance	
	IB Visual Arts SL/HL	Intermediate Dance	
		Advanced Dance	
b. ENGLISH		Marching Band	
English 9		Symphonic Band	
English 10			
English 11			
English 12	g. COLLEGE PREPARATORY ELECTIVES		
Honors English 10	History: courses listed under 'a'		
Honors English 11	Economics	AP MacroEconomics	
AP Language & Composition	Geography	Social Psychology	
AP Literature & Composition			
IB English SL	English: courses listed under 'b'		
IB English HL	Advanced Journalism	AVID 12	
ELD Fall 5 Fall/Spring	Speech and Debate		
c. MATHEMATICS			
Algebra 1	Science: course listed under 'd'		
Geometry	Conceptual Physics		
Algebra 2			
Pre-Calculus			
Honors Pre-Calculus	<p>The following junior college courses may be listed under 'a—g' requirements and may be listed on the OHS transcript (and receive a weighted grade). Courses with a * may also fulfill RJUHSD graduation requirements (as noted in parentheses). Any other UC/CSU transferable course a student requests to be placed in a OHS transcript must be administratively approved.</p>		
AP Calculus AB			
AP Calculus BC			
AP Statistics			
IB Math SL/HL			
d. LABORATORY SCIENCES			
Biology	*Economics 1A (Economics)	*History 17B (US History)	
Chemistry	*Political Science (Government)	Psychology 1	
Physics	*English 1A and 1B (English 12)	Sociology 1	
Honors Chemistry	Math 13 (Statistics)	Math 30 (Calculus)	
Honors Physics	History 17 A (does not fulfill US History requirement)	Math 31 (Calculus)	
AP Biology			
AP Chemistry #			
IB Biology HL			
e. LANGUAGE OTHER THAN ENGLISH			
French 1, 2, 3, 4	<p>Bold courses denote "weighted" honors credit: A= 5, B = 4, C = 3 # Course offered off Oakmont High School campus</p>		
Spanish 1, 2, 3, 4			
AP French			
AP Spanish			
Honors Spanish 4			
IB French SL/IB Spanish SL			

Post-Secondary Opportunities and College Systems

UNIVERSITY OF CALIFORNIA (UC Davis, Berkeley, etc.)

The UC system includes ten four-year universities offering a variety of BA and BS degrees.

Master's and doctoral postgraduate programs are also available. To qualify for entrance, students must have a high school diploma. Students must follow a university preparatory program and **must successfully complete the courses listed above with a grade of C or better. Students must have a high school grade point average of 3.0 or higher to be eligible for the UC system.**

Those with GPA's below 3.3 must score proportionately higher on the ACT or SAT College Entrance Examinations. In addition to the ACT or SAT examination, UC applicants must take two SAT subject tests in two different fields. Entrance GPA and requirements may vary depending on the major area of study and the campus selected.

PRIVATE COLLEGES

There are many private colleges and universities in California. Their entrance requirements are similar to those of the University of California or the California State University systems. Consult the Career Center and the individual college catalogs for information.

CALIFORNIA STATE UNIVERSITY (CSU Sacramento, Chico, etc.)

The CSU system includes 23 four-year universities offering a variety of BA and BS degree programs. Master's degree programs are also available. To qualify for entrance, students must have a high school diploma. Students must follow a college/university preparatory program and **must successfully complete the courses listed above with a grade of C or better. Students must have a high school grade point average of 2.0 or higher to be eligible for the CSU system.** Those with GPA's below 3.0 must score proportionately higher on the ACT or SAT College Entrance Examinations. Entrance GPA and requirements may vary depending on the major area of study and the campus selected.

COMMUNITY COLLEGES The California Community College system includes campuses which offer AA or AS degrees and certificates as well as training in many trades and technical fields. Community colleges also provide a two-year college transfer program where the classes taken for credit can be transferred to the University of California, California State University and other universities and colleges. Students who are 18 years of age may attend a community college even though they may not have graduated from high school.

TECHNICAL AND BUSINESS SCHOOLS

These schools offer certificates for training in a variety of vocational occupations. Most of these schools require a high school diploma or its equivalent. Students who take advantage of high school preparation courses can complete training in a minimum amount of time. Some of these schools are available here in the Sacramento area.

Special Programs

Oakmont High School offers a variety of academic programs to meet the needs of our student body. Our programs offer the appropriate level of academic rigor to challenge each student as well as to provide preparation for postsecondary opportunities regarding two and four year college/university options, selected career fields, the military and technical programs.

Note: Oakmont High School offers personalized educational paths to all students. Students are encouraged to select a path at the time of enrollment. The path should be chosen based on the individual's needs, talents, and post high school plans. All paths will satisfy the minimum high-school graduation requirements. Students have the opportunity to change and update paths.

College Preparatory Courses

A College preparatory course is a means by which college bound high school students may better meet the more stringent scholastic requirements for entry into colleges and universities as well as entry-level work in selected career fields. Students taking college-preparatory courses may have an increased quantity of class work, and expectations to achieve are at a higher level. The GPA (grade point average) weight for college-preparatory courses may have more value for college entry programs than regular courses. College prep courses are particularly appropriate for providing the academic background needed to succeed in a degree program at a college or university.

Honors and Advanced Placement Courses

Advanced Placement (AP) courses® are College Board certified high school courses that give college-bound students the chance to earn college credit while still in high school. Students who pass an AP course are eligible to take the AP exam for that subject in the Spring, and by earning a score of 3 or higher (out of 5) the student may be eligible for college credit at most colleges and universities

International Baccalaureate Program

Oakmont High School offers the Diploma Program (DP), a rigorous pre-university course of studies for highly motivated students in grades 11th and 12th. The broad and balanced curriculum requires students to study languages, social science, experimental science, mathematics, and an elective course. Whenever possible, curriculum is approached from an international perspective. There are currently 2546 universities from 75 countries accepting the IB diploma; including North America, Western Europe and Australia. Many other universities also admit IB Diploma holders.

Interested parents and students should contact Michelle Mahoney, IB Coordinator, at 782-3781, ext. 2715 or email mmahoney@rjuhsd.us.

Health Careers Academy

The Oakmont Health Careers Academy is a three-year school program for students interested in exploring educational and career opportunities in health care and related fields. All interested students in the Roseville Joint Union High School District can apply to join the academy in February or March of the freshman year. A variety of criteria are used to select a limited number of students to participate in the program. Interested parents and students should contact Wes Muller, Academies Coordinator, at 782-3781, ext. 2202.

AVID (Advancement Via Individual Determination) Program

"AVID is a program designed to help underachieving and average high school students prepare for and succeed in colleges and universities. Students in the program commit themselves to improvement and preparation for college. AVID offers a rigorous program of instruction in academic "survival skills" and college level entry skills. The AVID program teaches the students how to study, read for content, takes notes, and manage time. Students participate in collaborative study groups or tutorials led by tutors who use skillful

questioning to bring students to a higher level of understanding.” The high school AVID program is ideally a four-year program for students who have the potential to succeed in college prep courses.

Community College/Career Technical Pathways

This plan includes all course work required for a high school diploma. It is designed for students who plan to go to community college, vocational or trade schools, or directly to work following high school. Career Technical Education (CTE) is defined as a program which engages students in a dynamic and seamless learning experience resulting in mastery of the career *and academic* knowledge and skills necessary to become productive, contributing members of society.

Elective Pathways

Oakmont High School provides students opportunities to explore “specialized” areas of study that are intended to give students further insight to potential careers. The sequence of courses is designed to overlap and compliment existing requirements for graduation and college admission.

Leadership Program

Our vision for the Viking Leadership Core is to have students gain and practice the knowledge and skills needed to become a successful leader in high school and for life after graduation from Oakmont High School. There is an application process for all classes. Applications can be found on the website or available from your counselor.

Special Education

Special education services (including Academic Lab classes) are available only to students who **demonstrate a disability** and **require** special education and related services. These services are identified through an Individualized Education Program (IEP). Specialized Academic Instruction opportunities seen below are determined through the students identified needs outlined in the IEP. For more information please visit the district website <http://www.rjuhsd.k12.ca.us/services/sped.html>

ROP—Regional Occupational Program

The Regional Occupational Program (ROP) provides an opportunity for students to explore the world of work while mastering the necessary skills needed for college, advanced training, business and industry. By applying the academic knowledge and technical skills acquired while in high school to a real-work environment, students may upgrade their existing skills and/or prepare for advanced training. All of this is accomplished through a combination of classroom instruction by qualified instructors and supervised hands-on training in laboratory or at a training site.

ROP provides:

- Preparation for post-secondary education and/or training
- Valuable hands-on experience to improve students’ employability.
- Credit toward high school graduation
- UC-approved courses that meet required A-G guidelines.
- Community college credits: Most classes have articulation agreements in place for community college credit
- Certificates of Completion awarded, including a skills sheet showing mastered competencies.
- Community classroom courses include an internship at local businesses

AVID—Advancement Via Individual Determination

Course Title	Grade Level	Course #	UC/CSU	Course Offere
AVID Program				
AVID 9	9	801013	No	Year Long
AVID 10	10	802033	No	Year Long
AVID 11	11	803033	No	Semester
AVID 12	12	804043	Yes	Semester

AVID 9

Grade 9

Prerequisite: Application/Interview process and teacher recommendation.

Students will focus on transitioning to high school life and improving the foundational learning skills necessary for a college preparatory curriculum. Writing, inquiry, collaboration, and reading skills are developed along with binder organization, note-taking, time management, and goal setting. Collaborative tutorial sessions supported by college student tutors are held for half of the period on Tuesdays and Thursdays for students to gain a greater understanding of material in their content area classes. This is not a time spent doing homework.

AVID 10

Grade 10

Prerequisite: Successful completion of Avid 9. Application/Interview process and teacher recommendation.

Students will extend the foundational learning skills necessary for a college preparatory curriculum and will practice for and take both the PSAT and ACT-PLAN tests. The class will also further develop writing, inquiry, collaboration, and reading skills along with binder organization, note-taking, time management, and goal setting. This class also offers collaborative tutorial sessions supported by college student tutors for half of the period on Tuesday and Thursdays for students to gain a greater understanding of material in their content area classes. This is not a time spent doing homework.

AVID 11

Grades 11

Prerequisite: Successful completion of Avid 10. Application/Interview process and teacher recommendation.

Students will prepare for and take the SAT and ACT, work on writing and research skills, and take advantage of opportunities to learn more about college life and majors in preparation for senior year decisions. Collaborative learning with peers and college student tutors is emphasized. AVID 11 prepare students for the rigors of meeting college entrance requirements. Students are encouraged to take at least one AP or Sierra College class.

AVID 12

Grade 12

Prerequisite: Successful completion of Avid 11. Application/Interview process and teacher recommendation.

Students will write college admissions essays, fill out college applications, and complete the process of applying for financial aid through the FAFSA form, Cal-grant GPA verification form, and scholarships. Students and parent/guardians are required to attend school sponsored information nights. College-level writing and research skills are stressed. Collaborative learning with peers and college student tutors is emphasized. AVID 12 prepare students for the rigors of their college career.

International Baccalaureate Program

Students pursuing the IB Diploma at OHS fulfill all California and District requirements and can graduate with a diploma from IB and Oakmont. Ninth and Tenth grade students who wish to participate in the diploma program follow a preparatory pathway of courses. An alternative to the full diploma program allows students to take one or more IB tests for Certificate recognition.

Course Title	Grade Level	Course #	UC/CSU	Course Offered
English Courses				
IB English HL 1	11	204512	Yes	Year Long
IB English HL 2	12	204522	Yes	Year Long
IB Theory of Knowledge 1	11	163554	Yes	Spring Semester
IB Theory of Knowledge 2	12	163564	Yes	Fall Semester
Math				
IB Mathematics SL 1	11-12	407614	Yes	Semester
IB Mathematics SL 2	11-12	407624	Yes	Semester
IB Mathematics HL 1	11	407734	Yes	Semester
IB Mathematics HL 2	12	407744	Yes	Semester
IB Mathematical Studies SL 1	11	407714	Yes	Semester
IB Mathematical Studies SL 2	12	407724	Yes	Semester
Media				
IB Film SL 1	11	163454	Yes	Semester
IB Film SL 2	12	163464	Yes	Semester
Science				
IB Biology HL 1	11	610214	Yes	Semester
IB Biology HL 2	12	610224	Yes	Semester
IB Design Technology SL 1	11	351624	No	Semester
IB Design Technology SL 2	12	351634	No	Semester
IB Physics SL 1	11-12	610514	Yes	Semester
IB Physics SL 2	11-12	610524	Yes	Semester
Social Science				
IB History of Americas HL 1	11	659112	Yes	Year Long
IB History of Americas HL 2	12	659122	Yes	Year Long
IB Geography SL 1	11	651024	Yes	Semester
IB Geography SL 2	12	651034	Yes	Semester
IB Geography HL 1	12	651044	Yes	Semester
Visual Arts				
IB Visual Arts SL/HL 1	11	163514	Yes	Semester
IB Visual Arts SL 2	12	163524	Yes	Semester
IB Visual Arts HL 2	12	163544	Yes	Semester
World Languages				
IB French SL 1	11	258114	Yes	Semester
IB French SL 2	12	258124	Yes	Semester
IB French HL 1	11	258134	Yes	Semester
IB French HL 2	12	258144	Yes	Semester
IB Spanish SL 1	11	258314	Yes	Semester
IB Spanish SL 2	12	256324	Yes	Semester
IB Spanish HL 1	11	258334	Yes	Semester
IB Spanish HL 2	12	258344	Yes	Semester

IB English HL 1

Grade 11

Requirement: Students must enroll in the 11th and 12th grade courses for the full 20 credits. Students must take the IB exam at the end of the course.

Prerequisite: Honors English 10 or equivalent

The purpose of this course is to immerse students in all aspects of literary study. Students can expect an intensive study of novels, plays, essays, short stories and poetry; many of the works represent selections from World Literature. Students will be asked to produce both written and oral analysis of works studied. They will be asked to incorporate literary history and criticism into their analysis of text.

IB English HL 2

Grade 12

Requirement: Students must enroll in the 11th and 12th grade courses for the full 20 credits. Students must take the IB exam at the end of the course

Prerequisite: IB English HL 1

This course is a continuation of IB English HL 1

IB Theory of Knowledge 1

Grade 11

Requirement: Students must enroll in Theory of Knowledge 2 to complete the 20 credits. Students must take the IB exam at the end of the course

Prerequisite: Student must be enrolled in one IB course

This is a class which challenges students to reflect critically on diverse ways of knowing and areas of knowledge and to consider the role knowledge plays in a global society. Students will be expected to complete extensive reading assignments, writing prompts, class discussions and upon completion of the 2nd TOK course, students will submit a paper and presentation on a Theory of Knowledge topic.

IB Theory of Knowledge 2

Grade 12

Prerequisite: Student must be enrolled in one IB course

This course is a continuation of IB TOK 1.

IB Mathematical Studies SL 1

Grade 11

Requirement: Students must enroll SL 1 and SL 2 and 12th grade courses for the full 20 credits. Students must take the IB exam at the end of the course.

Prerequisite: Algebra 2 or equivalent. Pre-Calculus is highly recommended.

Students will study topics in algebra, sets, logic and probability, functions, geometry and trigonometry, statistics, differential calculus, and financial mathematics. Students will learn how to explain and write mathematically and explore real-world application problems of mathematics.

IB Mathematical Studies SL 1

Grade 11

This course is a continuation of IB Mathematical Studies SL 1.

IB Mathematics SL 1

Grade 11

Requirement: Students must enroll in the SL 1 and SL 2 courses for the full 20 credits. Students must take the IB exam at the end of the course.

Prerequisite: Algebra 2 or equivalent. Pre-Calculus is highly recommended.

Students will study the properties of graphs of polynomials, rational, exponential, logarithmic and trigonometric functions, properties of elementary functions, including trigonometry and logarithms, statistical analysis, and college-level differential and integral calculus. Students will learn how to explain and write mathematically and explore real-world application problems of mathematics.

This course is a continuation of IB SL 1.

Requirement: Students must enroll in the 11th and 12th grade courses for the full 20 credits. Students must take the IB exam at the end of the course.

Prerequisite: Teacher approval required. Students must complete Algebra 2 in the 9th grade and take IB Math SL 1 in the 10th grade.

This course is for students with a good background in mathematics and who are competent in a range of analytical and technical skills. Most students will be expecting to include mathematics as a major component of their university studies, either as a subject in its own right or within courses such as physics, engineering and technology. Others may take this subject because they have a strong interest in mathematics and enjoy meeting its challenges and engaging with its problems. Students will study algebra, functions, trigonometry, matrices, vectors, statistics and probability, calculus, and series and differential equations.

This course is a continuation of IB HL 1.

Requirement: Students must enroll in the 11th and 12th grade courses for the full 20 credits. Students must take the IB exam at the end of the course.

Prerequisite: CP Biology and H Chemistry or H Physics or equivalent.

Students will learn the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of Biology. Laboratory experiences and selected investigations encourage higher order thinking skills, formulation of hypotheses, and generation of new ideas.

Prerequisite: IB Biology HL 1

This course is a continuation of IB Biology HL 1.

Requirement: Students must enroll in the SL 1 and SL 2 courses for the full 20 credits. Students must take the IB exam at the end of the course.

Prerequisite: *Students must be a full diploma or certificate candidate in the IB program*

The course will introduce students to how computer-based technologies have transformed the nature of the design and manufacture of products. This will be accomplished by starting with the study of Computer Aided Drafting, 3D solid modeling, and the development of Computer Aided Manufacturing (CAM). Students will see first hand how vital these skills are in the modern manufacturing world. Students enrolled in this course will gain a comprehensive knowledge of the design process from design conception to the final manufactured product. This will be accomplished by using the latest technology available in the areas of Computer Aided Drafting (CAD) and Computer Aided Manufacturing (CAM).

This course is a continuation of IB Design Technology SL 1.

IB Physics HL 1

Grade 11

Requirement: Students must enroll in the SL 1 and SL 2 courses for the full 20 units. Students must take the IB exam at the end of the course.

Prerequisite: CP Biology and H Chemistry or equivalent. Students are discouraged from taking Honors Physics before as some activities will overlap the courses.

Students who have a strong background in math and science will be given the opportunity to explore logic and philosophy of modern physical theory. The course includes application of algebra, geometry and trigonometry to the fields of kinetic theory, classical mechanics, waves, electricity and magnetism, atomic and nuclear structure.

IB Physics HL 2

Grade 12

This course is a continuation of IB Physics SL 1. **Prerequisite:** IB Physics SL 1

IB History of the Americas HL 1

Grade 11

Requirement: Students must enroll in the HL 1 and HL 2 courses for the full 20 units. Students must take the IB exam at the end of the course.

Prerequisite: AP European History or equivalent. Students must be a full diploma or certificate candidate in the IB program.

This course is designed to meet academic Individuals and Societies requirements of the International Baccalaureate Program and the US History Requirement. Students are provided with an introduction to the nature of history as a discipline as they study its increasingly international dimension. This course is a study of North American, Central American, and South American History.

IB History of the Americas HL 2

Grade 12

This course is a continuation of IB History of the Americas HL 1. **Prerequisite:** IB HOA HL 1

Note: Students will receive US History graduation requirement credit upon completion of History of Americas HL 2.

IB Economics SL1 or HL 1

Grade 11

Requirement: Students must enroll in the SL/HL 1 and SL /HL 2 courses for the full 20 units. Students must take the IB exam at the end of the course.

Prerequisite: Students must be a full diploma or certificate candidate in the IB program.

Students will develop global perspectives and national perspectives in the field of economics. The study of economics is essentially about the concept of scarcity and the problem of resource allocation. Students will study macroeconomics, microeconomics, international economics and development economics. Upon completion of the course, students will be expected to: have an understanding and knowledge of economic concepts and theories; apply economic theory to a range of circumstances and a variety of situations; analyze information through the use of economic concepts and theories; evaluate concepts and theories from different economic perspectives.

IB Economics SL 2 or HL 2

Grade 12

This course is a continuation of IB Economics SL1/ HL 1. **Prerequisite:** IB Economics SL 1 or HL 1

IB Geography SL 1 or HL 1

Grade 11

Requirement: Students must enroll in the SL/HL 1 and SL /HL 2 courses for the full 20 units. Students must take the IB exam at the end of the course.

Prerequisite: Students must be a full diploma or certificate candidate in the IB program.

Students will develop global perspectives and sense of world interdependence. Using the methodologies and techniques of geographical inquiry, students will engage in systematic and critical study of interrelationships among diverse human activities and behaviors; physical, political, economic and social environments; and the history and development of social and cultural institutions. Students will expand their concern for the quality of the environment and appreciate the relevance of geography in analyzing contemporary world issues.

IB Geography SL 2

Grade 12

This course is a continuation of IB Geography SL1/ HL 1. **Prerequisite:** IB Geography SL 1 or HL 1

IB Visual Arts SL1 or HL 1**Grade 11**

Requirement: Students must enroll in the SL 1 and SL 2 courses for the full 20 units. Students must take the IB exam at the end of the course. Students taking Visual Arts HL must take it both the 11th and 12th grade years.

Prerequisite: Art 1 highly recommended.

Students will cover studio and research components to visual arts. This is an in-depth study of the visual arts where students produce a college-quality portfolio and develop aesthetic discrimination of applied art inclusive or artistic perception, creative expression, historical and cultural context, and aesthetic valuing. There will be a \$20 lab fee for this course.

IB Visual Arts SL 2 or HL 2**Grade 12**

This course is a continuation of IB Visual Arts SL1/ HL 1. **Prerequisite:** IB Visual Arts SL 1 or HL 1

IB French SL 1 or HL1**Grade 11**

Requirement: Students must enroll in the SL 1 and SL 2 courses for the full 20 units. Students must take the IB exam at the end of the course.

Prerequisite: French 3 or equivalent. Students must be a full diploma or certificate candidate in the IB program.

Students will develop a higher degree of proficiency in listening, speaking, reading and writing the language. Teaching of an appropriate range of grammatical structure will be integrated with the study of themes and texts and acquisition of skills.

IB French SL 2 or HL 2**Grade 12**

This course is a continuation of IB French SL 1. **Prerequisite:** IB French SL 1

IB Spanish SL 1 or HL 1**Grade 11**

Requirement: Students must enroll in the SL 1 and SL 2 courses for the full 20 units. Students must take the IB exam at the end of the course.

Prerequisite: Spanish 3 or equivalent. Students must be a full diploma or certificate candidate in the IB program

Students will develop a higher degree of proficiency in listening, speaking, reading and writing the language. Teaching of an appropriate range of grammatical structure will be integrated with the study of themes and texts and acquisition of skills.

IB Spanish SL 1 or HL 2**Grade 12**

This course is a continuation of IB Spanish SL 1. **Prerequisite:** IB Spanish SL 1

Health Careers Academy

The Oakmont Health Careers Academy is a three-year high school program for students interested in exploring educational and career opportunities in health care and related fields. All interested students in the Roseville Joint Union High School District can apply to join the academy in February or March of the freshman year. A variety of criteria are used to select a limited number of students to participate in the program. Interested parents and students should contact Wes Muller, Academies Coordinator, at 782-3781, ext. 2202.

Course Title	Grade Level	Course #	UC/CSU	Course Offered
English Courses				
English Health Careers Academy	10	202213	Yes	Semester
English Health Careers Academy	11	203313	Yes	Semester
English Health Careers Academy	12	204413	Yes	Semester
Health Courses				
Introduction to Medicine	10	521503	No	Semester
Advanced Medical Science	11	522553	No	Semester
Medical Trends Seminar	12	523603	No	Semester
Hospital Practicum	12	524653	No	Spring Semester
Science Courses				
Biology	9-11	551013	Yes	Semester
Chemistry	11-12	603103	Yes	Semester
Social Science Courses				
World Studies	10	652103	Yes	Semester
United States History	11	653203	Yes	Semester
Government	12	654304	Yes	Blocked
Economics	12	654404	No	Blocked

[English 10/Health Careers Academy](#)

[Grade 10](#)

Prerequisite: Student must be enrolled in the Health Careers Academy

The course places a strong emphasis on the development of the writing skills necessary for students to succeed in college and in their professional lives. Strategies include instruction and practice in the writing process, acquisition of increased vocabulary, and daily attention to the understanding of grammar and mechanics. Additionally, the course emphasizes critical thinking and analysis applied to a variety of literary texts. Speaking and listening are developed through a variety of oral activities including memorization. Students should expect to practice problem solving and time management skills through individual and group learning activities. This class is taught with a health care related thematic approach. Students will benefit from curriculum that is integrated throughout their sophomore level courses and taught through a team approach.

Prerequisite: Student must be enrolled in the Health Careers Academy

The course places a strong emphasis on the development of the writing skills necessary for students to succeed in college and in their professional lives. Strategies include instruction and practice in the writing process, acquisition of increased vocabulary, and daily attention to the understanding of grammar and mechanics. Additionally, the course emphasizes critical thinking and analysis applied to a variety of literary texts. Speaking and listening are developed through a variety of oral activities including memorization. Students should expect to practice problem solving and time management skills through individual and group learning activities. This class is taught with a health care related thematic approach. Students will benefit from curriculum that is integrated throughout their sophomore level courses and taught through a team approach.

Prerequisite: Student must be enrolled in the Health Careers Academy

The course places a strong emphasis on the development of the writing skills necessary for students to succeed in college and in their professional lives. Strategies include instruction and practice in the writing process, acquisition of increased vocabulary, and daily attention to the understanding of grammar and mechanics. Additionally, the course emphasizes critical thinking and analysis applied to a variety of literary texts. Speaking and listening are developed through a variety of oral activities including memorization. Students should expect to practice problem solving and time management skills through individual and group learning activities. This class is taught with a health care related thematic approach. Students will benefit from curriculum that is integrated throughout their sophomore level courses and taught through a team approach.

Prerequisite: Student must be enrolled in the Health Careers Academy

Introduction to Medicine is a sophomore level course, which focuses on developing a broad-spectrum foundation of knowledge about the health care field and career options. Students examine health care systems, basic anatomy and physiology, medical terminology, human development and behavior, communications in health care, ethics, confidentiality, teamwork, and asepsis and disease control. Students are certified in cardiopulmonary resuscitation and basic first aid and learn beginning level health care skills. **Introduction to Medicine** includes health care related speakers and field trips, and is a required course upon entrance into the Oakmont Health Careers Academy.

Prerequisite: Introduction to Medicine

Students will learn basic anatomy and physiology, medical abbreviations, basic chemistry, and physics. Students will also research job functions, career forecasts and educational preparation required for a variety of positions. Career exploration occurs primarily through regularly scheduled visits to observe in local health care facilities. Skills training will become more focused on particular job functions. Students are certified in cardiopulmonary resuscitation and basic first aid. Upon completion of the course, certificates of competency will be awarded upon successful demonstration of mastery of target skills and information.

Medical Trends Seminar

Grade 12

Prerequisite: Advanced Medical Seminar

Medical Trends Seminar is the senior level technical course of the Health Careers Academy. This class encompasses academic knowledge, health care skills, leadership skills development, and interpersonal skills development. Students will apply skills they have learned in *Introduction to Medicine and Advanced Medical Sciences*, complete college admissions materials, and prepare materials for health careers employment. Students will also research current trends in healthcare, and will identify and implement strategies to address current healthcare problems and issues.

Hospital Practicum

Grade 12

Prerequisite: Medical Trends Seminar

Hospital Practicum is an elective course for seniors in the Health Careers Academy, and is designed to provide these students with intensive technical training and experiences. Students will be assigned to one area of healthcare training. There will be a clinical supervisor from the healthcare field in each area who will take responsibility for instruction, training, application experiences, and feedback and performance evaluation. Students will be engaged in direct, on-the-job training for three hours each day. This course is offered in the spring term.

CP Biology/Health Careers Academy

Grade 9-12

Recommendation: Grade of 'C' or better in Algebra 1 and College Prep English. Strong reading and reasoning skills recommended.

Prerequisite: Student must be enrolled in the Health Careers Academy

By using laboratory work of an investigatory nature, the principles of biological science will be reviewed. Students are expected to maintain careful records of laboratory work. Course taught with a Health related thematic approach.

CP Chemistry/Health Careers Academy

Grade 12

Recommendation: Grade of 'C' or better in Algebra 1 and College Prep English. Strong reading and reasoning skills recommended.

Prerequisite: Grade of 'C' or better in CP Biology. Student must be enrolled in the Health Careers Academy

Chemistry includes a thorough survey of the classification and interaction of matter, atomic theory, phase changes, bonding, acid-base reactions, oxidation-reduction, and an introduction to organic chemistry. Students are expected to have algebra and problem solving skills and will be required to prepare lab reports, complete problem sets, and participate in laboratory and discussion exercises. Chemistry requires very good mathematics, algebra and abstract thinking skills, and above average writing skills.

CP World Studies/Health Careers Academy

Grade 10

Prerequisite: Student must be enrolled in the Health Careers Academy

Students learn to become a responsible and productive citizen in the 21st century by studying the major forces and turning points that shaped our modern world from the late 18th century through the present including the rise and impact of democratic ideals, the revolutions of England, America, France, and Latin America, the Industrial Revolution, Imperialism, World War I, World War II, and the Cold War. Students will develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts, focusing on two regions in the contemporary world.

CP US History/Health Careers Academy

Grade 11

Prerequisite: Student must be enrolled in the Health Careers Academy

The course content covers the period of exploration to the 1990's. Students will discover why it is important in today's world to study our country's past. Course content emphasizes significant people, events, themes, governmental structures, economic developments, and social themes.

Prerequisite: Student must be enrolled in the Health Careers Academy

Seniors will pursue a deeper understanding of the institutions of American government by comparing governments in the world today and analyzing the history and changing interpretations of the Constitution, the Bill of Rights, and the relationship among federal, state, and local governments. The California Content Standards for Government and Economics represent a culmination of civic literacy as students prepare to vote, participate in community activities, and assume the responsibilities of productive citizenship in the 21st century. Students will apply their knowledge of health care and government to suggest ways of improving the role of our government in the health care industry.

Prerequisite: Student must be enrolled in the Health Careers Academy

Seniors will master fundamental economic concepts, including micro-and macroeconomics, international economics, and comparative economics systems. Students will apply their knowledge of economics, government and the health care industry to investigate the fiscal health, future, and connection to the government of the American health care industry.

CTE—Business

Oakmont High School offers a Small Business Program of Study which prepares students for a variety of college, and career opportunities, as well as for those pursuing self-employment. Students who receive the Business Certificate are well-prepared for further career exploration, post secondary college/training programs, entry & advanced level jobs in sales/marketing, print/graphic and management occupations, computer multimedia, technology occupations and a working knowledge of how to operate and manage a small business.

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Business Program of Study				
Business Communications	9	161103	No	Semester
Small Business Enterprise	10-12	152103	No	Semester
ROP—Business Entrepreneurship	11-12	754713	Yes	Year Long
Viking Printing Press Technician (TI)	11-12	753353	No	Semester

Business Communications

Grade 9—12

Prerequisite: None

This course is highly recommended for freshman. This course trains students in business communications by using computer skills needed in the fast-paced world of business. The course provides a solid foundation for all students by teaching transferable skills that will help with all curricular areas and give the students the edge they need to be competitive in the business world. Students will read, write, and generate documents for various scenarios and situations by utilizing common business office software, Microsoft Office Suite. Students will do more than just computer applications; they will leave the class with experience in presentation techniques, creation of documents to run a business, and skills that will enhance their job and/or college performance. This is the first course in the three course sequence of the Small Business Program of Study.

Small Business Enterprise

Grade 10—12

Prerequisite: Business Communications

Small Business Enterprise is designed for students of all levels and is the second course in Small Business Program of Study. Students in the 9th grade may take this course after they have completed Business Communications. Small Business Enterprise expands the solid foundation provided in Business Communications by studying best business practices and procedures across many industries. Students will learn valuable skills that are critical to success in business fields. Topics include HP Project Management Model, Team Building, Cooperative teamwork, Basic Element and Principles of Design, Accounting, Marketing/Advertising and Public Relations, Resume Writing and Interviewing Skills. Small Business Enterprise prepares students for the real-world application of ROP Business Entrepreneurship.

ROP—Business Entrepreneurship/ offered OHS Campus

Grade 11—12

Recommendation: Computer applications skills, including MS Office, Adobe Photoshop, graphic design skills

Prerequisite: Students must take and pass (with grade of B or better) the Advanced Business Systems course

College Articulation: Students may receive college credit at Sierra College

This class is the advanced course in the Small Business Program of Study. Students learn valuable real world skills by running an actual business in a fast-paced, high-pressure business environment. At Oakmont HS, the business is *Viking Printing Press*. The students assist in the development of the business, its products and services, its management and structure, while filling the various positions within the business structure (CEO, CFO, Director of Marketing, etc.) Students will learn fundamental business principles. In addition to the advanced skills that will be taught, instruction focuses on marketing research, advertising, buying and selling products and services, business accounting, wages, and evaluation of peers and employees. Due to the less structured nature of the course, students must be able to thrive in an independent environment by demonstrating responsibility and outstanding citizenship.

Viking Printing Press Technician (Teacher Intern)

Grade 10—12

Prerequisite: 2.5 GPA and instructor approval

This course has students running and maintaining the on-campus business. It requires execution in job organization, project management, desktop publishing, advanced graphic design, real-world marketing concepts, accounting, high-speed duplicating, padding, binding, and cooperative teamwork. The students will practice suitable business and personal behavior as he/she completes actual projects provided by a multitude of customers. The Viking Printing Press Technician is designed for students who have already taken or are currently enrolled in the Advanced Entrepreneurial Business Systems class. As a Viking Printing Press Technician students will operate in a fast-paced, high-pressure business environment.

CTE—Family and Consumer Science

Note—Students may be charged a fabrication purchase fee for the direct costs in specified FACS projects.

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Culinary Program of Study				
Introduction to Food/Beverage	10-12	301153	No	Semester
Culinary Techniques	10-12	302203	No	Semester
Advanced Culinary	11-12	303253	No	Semester
Child Development				
Child Development	10-12	303403	No	Semester
Field Experience/ROP	11-12	754253	No	Semester

Introduction to Food/Beverage

Grade 10—12

Students may be charged a fabrication cost of \$30.00 for any consumable item(s).

Intro to Food & Beverage is the introduction course for the OHS Culinary Program of Study. Students will study various food units including quick breads and yeast breads, fish and poultry, rice and pasta, cakes and cookies, and pies and pastries. Students will prepare and taste recipes several times a week and will also complete written work and tests for each unit. Emphasis will be on kitchen tools and techniques, food preparation, and safety and sanitation.

Culinary Techniques

Grade 10—12

Students may be charged a fabrication cost of \$30.00 for any consumable item(s). ProStart Test Fee: \$10.00
Prerequisite: Students must have a C or better grade in Intro. to Food & Beverage.

Culinary Techniques is the concentration course for the OHS Culinary Program of Study. Students will continue with their classroom training in food preparation and also gain hands-on foodservice experience in our student operated restaurant, Café La Bleu. Additionally, students will complete Year One of the *ProStart Curriculum*, a nationally recognized school-to-career program developed by the National Restaurant Association Educational Foundation.

Advanced Culinary

Grade 11—12

Prerequisite: Students must have a C or better grade in Advanced Culinary and must have passed the ProStart Year One final exam with a 70% or better.

Advanced Culinary is the capstone course for the OHS Culinary Program of Study. Students will take on a leadership role in the management and operation of Café La Bleu. They will continue their classroom training in advanced food preparation and service and will also complete Year Two of the *ProStart Curriculum*. Students must pass both the Year One and Year Two *ProStart* Finals with a 70% or better and show proof of foodservice work experience to be eligible to receive the *ProStart Certificate*.

Child Development

Grade 10—12

Students may be charged a fabrication cost of \$10.00 for any consumable item(s).

Prerequisite: A TB test will be required as students are working with preschool children.

This course is designed for students who are interested in pursuing a career in early childhood and/or students who want to gain practical parenting experience. Students will run the OHS on-campus preschool, *Tiny Vikes*, and work directly with young children. Emphasis will be on planning activities, writing lesson plans, and learning how to guide and teach children. Students will also study the physical, social-emotional, and cognitive development of children from birth through age 12 as it relates to their care and guidance. Additionally, students will participate in the parenting simulation project *Baby Think It Over*. This class may not be repeated. Student shall provide to the school nurse a certificate confirming they are free of communicable tuberculosis. Intradermal TB skin test may be obtained by 1) the school nurse upon completion of the school districts written consent form and verbal confirmation of parent/guardian signature, 2) consent from your child's doctor, or 3) the health department.

Prerequisite: *Student must have a “C” or better grade in Child Development and teacher approval. A TB test will be required as students are working with preschool children. . Students must provide their own transportation to and from their internship sites.*

This Internship class is designed for students who are interested in working with children or becoming a teacher of any grade level or subject area. Students will put their knowledge of Child Development in practice as they study a variety of educational models and then go off-campus to participate as an educational intern at a local school or day care facility. All students will develop a professional portfolio demonstrating how they met Child Development Career Standards and the Career-Technical Assessment Performance Standards. Students may repeat this class in order to intern at a different location.

CTE—Industrial Technology

Note—Students may be charged a fabrication purchase fee for the direct costs of specified CTE projects.

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Industrial Education Courses				
Construction Technology 1	9	352413	No	Semester
Construction Technology 2	10-12	353423	No	Semester
Construction Technology 3	10-12	354433	No	Semester
Technology Program of Study				
Design & Engineering 1	11-12	351613	No	Semester
Design & Engineering 2	11-12	353633	No	Semester
IB Design Technology SL 1	11	351624	Yes	Semester
IB Design Technology SL 2	12	351634	Yes	Semester

Construction Technology 1

Grade 9

Supplies: Student may be charged a fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

Students will receive instruction on the correct and safe use of materials, equipment and tools before making projects. Students will make both required and self-generated projects. Students will learn about careers in construction, cabinetmaking, custom woodworking and related industries. Topics covered in the course include project planning and designing, project cost estimating, joinery, assembly, fasteners, project finishing and regular safety topics.

Construction Technology 2

Grade 10—12

Prerequisite: Construction Tech 1. Design Engineering 1 is highly recommended

Supplies: Student may be charged a fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

This is a BASIC CARPENTRY class that teaches beginning and intermediate carpentry skills. This course is designed for general level and college-bound students. Students will learn personal and worksite safety as practiced in the construction and engineering industry. In addition, students will study building construction including site preparation, forming, framing, interior and exterior finishes, mechanical and electrical systems. The fundamentals of carpentry will be covered giving students the chance to practice both structural and finish carpentry. Students will design, plan, and build a variety of model building and actual residential structures.

Construction Technology 3

Grade 10—12

Prerequisite: Construction Tech 2

Supplies: Student may be charged a fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

This is an ADVANCED CABINET MAKING class. Students will learn about the design and manufacturing of residential cabinetry.

Design Engineering 1

Grade 11—12

Recommendation: Able to follow oral and written directions. Also, Introduction to Industry would be preferable

Note: 2 + 2 Articulation agreement with Sierra College's EST 1 course.

Introduction to the principles and elements of design, engineering graphics, CAD, and freehand sketching. Develop CAD proficiency using advanced 3-D software. Students produce graphic and digitally modeled images with an emphasis on: views, sections, dimensioning, and tolerances. Software used in class includes: AutoCAD (2D), Solidworks (3D), Sketch up (3D), and Mastercam (2D & 3D).

Design Engineering 2

Grade 11—12

Prerequisite: Successful completion of Design Engineering 1

Introduces concepts and practices of architectural design, including environmental and historical concepts. Requires the design and production of plans, sections, details and elevations of simple buildings. Studies use of common reference material to design architectural spaces. Software used in class includes: AutoCAD (2D), Solidworks (3D), Sketch up (3D), and Chief Architect (3D)

IB Design Technology SL 1

Grade 11—12

Prerequisite: Students must be a full diploma or certificate candidate in the IB program.

Requirements: Students must enroll in the SL 1 and SL 2 courses for the full 20 units. IB Diploma Students must take the IB exam at the end of the course

This course is designed to meet academic Experimental Sciences requirement of the International Baccalaureate Program. The course will introduce students to how computer-based technologies have transformed the nature of the design and manufacture of products. This will be accomplished by studying of Computer Aided Design (CAD), 3D solid modeling, Computer Aided Manufacturing (CAM) and Computer Numeric Control (CNC) to produce various projects. Students will experience first hand how vital these skills are in the modern manufacturing world. Students enrolled in this course will gain a comprehensive knowledge of the design process from design conception to the final manufactured product. Students will have access to and receive instruction on the operation of a 3D printer, CNC mill, laser engraving system and other tools needed to complete their design projects.

IB Design Technology SL 2

Grade 11—12

Prerequisite: None

This course is a continuation of IB Design Technology SL 1

CTE—Media Education

Note—Students may be charged a fabrication purchase fee for the direct costs in specified FACS projects.

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Media Courses				
Multimedia	9-12	101653	No	Semester
Media Production	9-12	101673	No	Semester
Advanced Media Production	9-12	101653	No	Semester
3D Animation	9-12	101693	No	Semester
Advanced 3D Animation	10-12	102693	No	Semester
Media Program of Study				
Digital Communication & Technology 1	9-12	Pending	No	Semester
Digital Communication & Technology 2	9-12	Pending	No	Semester
Digital Communication & Technology 3	10-12	Pending	No	Semester

Multimedia

Grade 9—12

Recommendation: Basic Computer skills or instructors approval.

Multimedia is an entry level course in which students learn to create visual art and animation on computers. Students will learn to apply the fundamentals of artistic layout and design to drawing, painting, sound, and animation software. Technically, students will learn to manage different file formats, use a variety of image capturing devices, and combine different types of media into effective and entertaining images and presentations.

Media Production

Grade 10—12

Recommendation: Student should have an interest in all “Media” as well as above average grades in English. Basic computer skills are helpful.

Designed for college prep students, this entry- level course introduces the variety of methods used in today’s media to communicate information. Students will study many types of communication technologies such as: graphic, video, audio and television. Student projects will be displayed / presented on the OHS website and be part of OHS TV broadcasts and programs. Technically, students will learn to manage different file formats, use a variety of image capturing devices, demonstrate proper file management and combine different types of media into effective and entertaining images and presentations.

Advanced Media Production

Grade 9—12

Recommendation: Students must have taken Media Production or Multimedia to be enrolled.

Designed for general and college prep students, this course provides students with more application and training in the use of the television/computer equipment and production techniques. Students will produce programs for the school, other students, and cable access. Extensive use of computers in video will be part of the class. There may be some significant time commitment.

3D Animation

Grade 10—12

Prerequisite: Successful completion of a course in computer applications, photography, multimedia, or Drafting 1 or evidence of basic computer skills including the use of toolbars.

3D Animation is a one-term course designed for students interested in integrating technology and art. This beginning course will give students the artistic knowledge and technology skills needed to create computer animations. Students will learn how to design basic stock shapes and will then progress into more complicated projects where they will create their own characters. Students will learn how to manipulate shapes, textures and colors while changing motion, camera placement, and lighting. Students will learn to use “Lightwave” software from Newtek. Placement Requirement: Computer Applications, Photography, Multimedia, or Drafting 1 or evidence of basic computer skills including the use of toolbars.

Advanced 3D Animation

Grade 10—12

Prerequisite: "B" or better in 3D Animation or instructor approval.

Students will continue to develop their artistic design, story telling, and advanced animation techniques. Topics will include sophisticated modeling, advanced lighting, materials, character rigging, special effects, and particle systems. The class culminates in a large professional quality small group animation. This course allows students to advance their creative talents.

Digital Communications & Technology 1

Grade 10—12

Students may be charged a fabrication cost of \$15.00 for any consumable item(s).

Recommendation: Student should have an interest in all "Media", as well as above average grades in English. Basic computer skills are helpful.

Perquisite: Basic computer skills or instructor's approval

Designed for college prep students, this entry- level course introduces the variety of methods used in today's media to communicate information. Students will study many types of communication technologies such as: graphic, video, audio and television. Student projects will be displayed / presented on the OHS website and be part of OHS TV broadcasts and programs. Technically, students will learn to manage different file formats, use a variety of image capturing devices, demonstrate proper file management and combine different types of media into effective and entertaining images and presentations.

Digital Communications & Technology 2

Grade 10—12

Students may be charged a fabrication cost of \$10.00 for any consumable item(s).

Prerequisite: Completion of Digital Communication & Technology 1 with a grade if "B" or higher.

Digital Communication & Technology 2 is the second course in a 3 part sequence. Students will continue to learn different methods used in today's media. The course will require students to incorporate a variety of communication technologies to create OHS TV broadcasts, programs and the school bulletin. Students will also be responsible for maintaining equipment necessary for the course.

Student projects will focus on Studio Broadcast Production (OHS School Bulletin).

Software used: Adobe Master Collection, Lightwave, Live Text and Newtek Tricaster. This course may require a time commitment by students for after school and evening productions and events.

Digital Communications & Technology 3

Grade 10—12

Students may be charged a fabrication cost of \$10.00 for any consumable item(s).

Prerequisite: Completion of Digital Communication & Technology 2 with a grade if "B" or higher and instructor's approval. (Student application available on OHS website).

Digital Communication & Technology 3 is the final course in a 3 part sequence. It is a student-run communication and technology organization that provides media and technical services to OHS staff and students. DCT3 is modeled as a business organization, with managers and employees all filling jobs in one of three key technical areas: Technical Support /Training, Video Production, or Copying and Distribution. DCT3 is designed for students in the 10th – 12th grade and is the advanced course in the Digital Communication and Technology Program of Study.

This course will require a time commitment for after school and evening productions and events. This elective course can be taken multiple times for credit

English

Course Title	Grade Level	Course #	UC/CSU	Course Offered
English Courses				
English 9	9	201113	Yes	Semester
English 10	10	292213	Yes	Semester
English 11	11	203313	Yes	Semester
English 12	12	204413	Yes	Semester
Honors/Advanced Placement				
Honors English 10	11-12	206221	Yes	Semester
AP English Language and Composition	11-12	207423	Yes	Semester
AP English Literature and Composition	11-12	207433	Yes	Semester
Elective Courses				
Journalism	9-12	211453	No	Semester
Advanced Journalism	10-12	212503	Yes	Semester
Speech and Debate	9-12	211303	Yes	Semester
Yearbook	9-12	212653	No	Semester
Advanced Yearbook	10-12	212673	No	Semester

CP English 9

Grade 9

Prerequisite: None

English 9 emphasizes sentence, paragraph, and essay development with an intensive study of literature. Literary elements will be taught and applied to short stories, poetry, novels and drama. A variety of writing modes, autobiographical, analytical, and persuasive, will be taught. Students will be introduced to necessary research skills and will complete at least one major research project. Vocabulary is taught with an extensive emphasis on roots and word parts. Writing conventions are taught with a focus on grammar, usage and mechanics. Students can expect a variety of oral and listening activities.

CP English 10

Grade 10

Prerequisite: None

This course is designed for college preparatory students emphasizing paragraph and short composition development combined with an intensive study of literature. Writing conventions such as usage and mechanics may be directly taught in conjunction with the study of additional grammar skills needed to prepare for college-level entry tests. Vocabulary, spelling, and research skills are developed in context with the writing process and literary analysis. Students can also expect a variety of oral and listening activities.

Prerequisite: None

This course emphasizes composition development combined with an intensive study of American literature. Writing conventions such as usage and mechanics may be directly taught in conjunction with the study of additional grammar skills needed to prepare for college-level entry tests. Vocabulary, spelling, and research skills are developed in context with the writing process and literary analysis. Students can also expect a variety of oral and listening activities including oral presentations.

Prerequisite: None

This course emphasizes composition development combined with an intensive study of British literature. Writing conventions such as usage and mechanics are directly taught and students study additional grammar skills needed to prepare for college-level entry tests. Vocabulary, spelling, and research skills are included in the course. Students can also expect a variety of oral and listening activities including oral presentations.

Prerequisite: Recommended grades of “A” or “B” in CP English 10 or Honors English 10 and teacher recommendation.

Honors English 10 is a year-long course (blocked with AP European History) that provides an academically accelerated curriculum for students desiring advanced, challenging studies. Honors English 10 is a rigorous course with high expectations for critical reading, writing and thinking. Students will focus on developing oral and written communications that explore the complexities of world topics and literature and seek connections among texts on a variety of levels. This course will include an extensive reading list covering a broad array of literary interests and experiences. Students will enhance their research skills and write in a variety of genres. Students can expect extensive vocabulary work, emphasizing SAT preparation, and continuing work on grammar and usage. Several works will be required reading over the summer in preparation for the course.

Requirement: As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

Prerequisite: Recommended grades of “A” or “B” in CP English 11 or Honors English 11 and teacher recommendation.

This course focuses on enabling students to improve their reading analysis and writing skills. Emphasis is placed on the skills necessary to pass the AP Examination, including style analysis writing and close textual reading. The class is open enrollment; however, only students with a strong interest in high-level analysis of literary texts should register. Students in this class will read and analyze short stories, novels, drama, and poetry. They will interpret, analyze, and evaluate these works through discussion and written composition. Several works will be required reading over the summer in preparation for the course

Requirement: As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

Prerequisite: Recommended grades of “A” or “B” in CP English 11 or Honors English 11 and teacher recommendation

Students in this course study the fundamentals of rhetoric, which can be applied to academic writing at the college level. Students will read and analyze a variety of texts. Students participate in writing seminars that use student writing as the focus for analysis. Emphasis will be placed on acquiring the skills necessary to pass the *AP Language and Composition* exam. This college level course requires a high level of motivation and commitment due to extensive reading and writing requirements. Several non-fiction works will be required reading to prepare for the course.

Recommendation: Students who enroll in this class should enjoy writing or be interested in computer graphics or photography

Communications is an introductory course designed to provide students with the foundational skills required to do more advanced work on the school newspaper, yearbook or media courses and/or related program majors or career pathways. Students will learn the basic skills necessary to produce professional newspapers, magazines, yearbooks, multi-media productions, and public relations communications. The course will develop skills in page design, layout, desktop publishing, computer technology, photography and advertising. Students will also focus on interview techniques, journalistic style, creative writing, technical writing, editing, and the ethics of journalism.

Advanced Journalism**Grade 10-12**

Recommendation: Students are strongly encouraged to register for both terms. Students who want to hold editor positions on the newspaper staff will need to be enrolled both fall and spring terms.

Prerequisite: Students must earn a grade of 'B' or better in their English class.

Designed for general and college prep students to produce the school newspaper. The techniques of newspaper production studied in Communication in Professional Media will be put to practical use. Activities include writing news stories, editing copy, writing headlines, laying out pages, creating computer graphics, taking photographs, and selling ads. Journalism as a career will be considered. Students may prepare other types of high school publications and will work on fundraising events to finance all costs of newspaper production. Course may be repeated for credit. Students new to the publication class **must** enroll in the Fall Term.

Speech and Debate**Grade 9-12**

Prerequisite: None

Designed for college preparatory students or students with an interest in public speaking, this course includes training in public speaking and emphasizes an understanding of the elements of debate, the process of communicating more effectively, the techniques involved in critical analysis, and constructive evaluation of one's own communications, as well as communication with others. Because the National High School Debate Topic changes yearly, as do the four different topics for Lincoln-Douglas debates, this course may be repeated for credit.

Yearbook**Grade 9-12**

Prerequisite: Instructor approval and successful completion of English classes with a grade of "C" or better.

Designed for general or college preparatory students to produce a high-quality school yearbook. Students will learn to use computers to write copy, design layouts, and create graphics. Students will also conduct interviews, take and crop photographs, and sell ads. Communication skills and professional conduct are emphasized through extensive contact with staff and students, as well as business people and parents. The class is also open to students who are interested in the business end of yearbook production: raising money, advertising, issuing receipts, bookkeeping, etc. Leadership opportunities are also available to interested students. Enrollment is limited. Students new to the Yearbook class must enroll in the Fall Term. Students are strongly encouraged to register for both terms.

Advanced Yearbook**Grade 10-12**

Prerequisite: Successful completion of yearbook with grade "C" or better and a 2.0 GPA in English classes; instructor approval.

Designed for general or college preparatory students who are continuing their training and work from Yearbook. Students will continue to develop their skills in more advanced work, which focuses on the editorship functions of yearbook production. Advanced Yearbook students are encouraged to take on leadership roles within the yearbook staff. Students are strongly encouraged to register for both terms. Students entrusted with Editorship roles are required to register for both terms.

Health and Physical Education

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Health Courses				
Health and Wellness	9	521053	No	Semester
Physical Education Courses				
PE 9	9	501013	No	Semester
PE 10	10	502023	No	Semester
Adapted PE	11-12	508013	No	Semester
PE 9 -10 Make-Up	9-12	501033	No	Semester
Physical Education Electives				
Aerobics and Fitness	10-12	512103	No	Semester
Athletic PE	10	513263	No	Zero Period
*Athletic PE Fall	11-12	513253	No	Semester
Weight Training and Conditioning Fall	9-12	512173	No	Semester Fall
Weight Training and Conditioning Spring	9-12	512183	No	Semester Spring
Advanced Weight Training and Conditioning	10-12	512273	No	Semester

Health and Wellness

Grade 9

Prerequisite: None

A semester long course to give students knowledge, attitudes, and decision-making skills to develop and maintain their own healthy lifestyles. This course includes instruction in school orientation, study skills, decision-making, the human life cycle, mental and physical wellness, nutrition, and substance abuse education.

PE 9

Grade 9

Prerequisite: None

Designed to instill the importance of physical health of the individual through basic skills, water safety, aerobic endurance, nutrition, percent of body fat, and heart rate. An introduction to various dual/individual sports. Instruction includes basic skills, rules, safety, etiquette, sportsmanship, aerobic endurance, and total fitness.

PE 10

Grade 10

Prerequisite: None

Designed with team sports as a focus. This course will provide the individual with basic skills, strategies, rules, etiquette, and sportsmanship for the following: basketball, softball, football, volleyball, recreational games, tumbling, and self defense.

Adapted PE

Grade 9

Prerequisite: Placement in this class is dependent upon the approval of each school's Local Review Team. Referrals to the Team may be made through the school nurse or guidance counselor and must be activated by a referral from a physician.

Designed to provide eligible handicapped students the opportunity to participate in individualized physical education activities. Each student's program will be adapted to accommodate his/her individual needs and capabilities. Course may be repeated for credit.

PE 9-10 Make-Up

Grade 9-12

Prerequisite: Course for those students that did not receive a passing grade for PE 9 or 10.

This course is to be taken by students who have previously not successfully completed PE 9, PE 10 or both. The course is also for those who were exempted from one or both of the courses. Students who have failed BOTH PE 9 and PE 10 must take this course twice.

Aerobics and Fitness

Grade 10-12

Prerequisite: Successful completion of PE 9. Does not replace required P.E. 9 or 10. May be repeated for credit. Designed to provide the opportunity to develop high levels of fitness through aerobic dancing to music, resistance training, weight training, step aerobics, and knowledge of nutrition. Does not replace required P.E. 9 or 10.

Athletic PE

Grade 10-12

Prerequisite: 10th grade students must have achieved at least a "B" grade in their most recent required PE class. All students must be active members of and Oakmont H.S. athletic team. All students must turn in an "Athletic PE Permission Form". The form requires the approval of coach and instructor.

Designed to assist today's student athletes in balancing the demands of athletics and academics. This course is designed for serious athletes who desire to improve their athletic and academic skills. This course does not replace PE 9 and 10 requirements. **Indicate fall or spring semester.**

Weight Training and Conditioning

Grade 9-12

Note: Does not replace PE 9 and 10. Indicate fall or spring semester.

Designed to provide an opportunity to develop basic proficiency and skill in the core lifts. Weight room safety and function, form running, speed, agility, and conditioning will be emphasized.

Advanced Weight Training and Conditioning

Grade 10-12

Prerequisite: "B" or better in Weight Training and recommendation of the weight-training instructor.

Note: This course may be repeated for credit with instructor's approval. Indicate Fall or Spring semester.

Designed to provide an opportunity to develop proficiency and skill in Olympic Style weight training and to develop and enhance athletic ability through speed and agility training. This course is designed for the motivated student-athlete looking to advance beyond basic weight training and looking to perform at his/her highest athletic level. This course does not fulfill the PE 9 and 10 requirements.

Mathematics

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Math Courses				
Math Readiness (Pre-Algebra)	9	401213	No	Semester
Algebra 1	9-12	401423	Yes	Semester
Geometry	9-12	402433	Yes	Semester
Algebra 2	9-12	403453	Yes	Semester
Pre-Calculus	9-12	404483	Yes	Semester
Honors/Advanced Placement Courses				
Honors Pre-Calculus	10-12	406493	Yes	Semester
AP Calculus AB	11-12	407503	Yes	Semester
AP Calculus BC	11-12	407513	Yes	Semester
AP Statistics	11-12	407523	Yes	Semester

Math Readiness

Grade 9—12

Note: This course does not fulfill the math requirement for graduation

This course includes a review of arithmetic through relevant applications of mathematics. It integrates problem solving throughout and utilizes concrete materials to enhance understanding. Experiences in a variety of areas measurement, calculator utilization, graphing, geometry, probability, statistics, and algebra - help students to develop a positive disposition towards mathematics. All grades may take this course. Students who take this course should earn a “C” grade before advancing to Algebra.

Algebra 1

Grade 9—12

Recommendation: Students in this course should have a solid foundation in Pre Algebra

Prerequisite: Grade of “C” or better in Pre Algebra

The first of a three-part college prep sequence designed to introduce students to basics of Algebra. Students will be introduced to linear equations, data analysis, logical reasoning, factoring, graphing, and solving linear and quadratic equations.

Geometry

Grade 9—12

Recommendation: Students in this course should have a solid foundation in Algebra

Prerequisite: Grade of “C” or better in Algebra 1. Freshmen may take this course if they have completed a corresponding junior high course with a grade of “B” or better and have passed the Geometry Placement

The second of a three-part college prep sequence. Students will extend knowledge of math concepts studied in Algebra 1 in addition to new topics including quadratics, geometric proof, circular trigonometry, and 2 and 3 dimensional shapes.

Algebra 2

Grade 9—12

Recommendation: Students in this course should have a solid foundation in Algebra and Geometry

Prerequisite: Grade of “C” or better in Geometry

The last of a three-part college prep sequence. Students will deepen knowledge of math concepts studied in Algebra 1 and Geometry. New topics will include functions, sequences and series, and graphing and logarithms.

Pre-Calculus

Grade 9—12

Recommendation: Students should consult counselors, the career center and colleges and universities of their choice to determine whether they will need calculus after completing the pre-calculus course. Students need to take Honors Pre-Calculus for additional preparation to continue with AP Calculus AB and BC courses

Prerequisite: Grade of “C” or better in Algebra 2.

Pre-Calculus is a one-term course designed for college prep students who will learn the knowledge and skills necessary to take a first-year college course. Students will work on becoming proficient in the following areas: the fundamentals of college-level algebra, geometric and algebraic interpretations of functions, inverse functions, linear and quadratic inequalities, rational functions, conic sections, exponential and logarithmic functions/applications, and trigonometric functions and their properties.

Honors Pre-Calculus

Grade 10—12

Recommendation: Students who are planning to take Advanced Placement Calculus should take this course.

Prerequisite: Grade of “B-” or better in Algebra 2.

Honors Pre-Calculus is a one-term course designed for college prep students who will learn the knowledge and skills necessary to perform successfully in Calculus. Students will work on becoming proficient in the following areas: the fundamentals of college-level algebra, geometric and algebraic interpretations of functions, linear and quadratic inequalities, rational functions, exponential and logarithmic functions and their applications, discrete mathematics, and trigonometric functions and their properties. Students will do more in-depth work on limits.

AP Calculus AB

Grade 11—12

Prerequisite: Grade of “C” or better in Honors Pre-Calculus.

An advanced placement course designed for university preparatory students. This course provides instruction in the concepts of limits, continuity, derivatives, and anti-derivatives of algebraic functions. The basis concepts in algebra set theory and trigonometry are reviewed briefly before they are used to study limits. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

AP Calculus BC

Grade 11—12

Prerequisite: Completion of AP Calculus AB.

The second course of Calculus includes the study of definite integrals, differentiation and integration of trigonometric, logarithmic, and inverse functions. A score of 3, 4, or 5 on the AP Exam enables students to receive college credit in calculus at selected colleges or universities. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

AP Statistics

Grade 11—12

Prerequisite: Pre-Calculus or Honors Pre-Calculus.

The course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, probability and statistical inference. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

Science

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Biological Science Courses				
Biology	9-10	551013	Yes	Semester
Anatomy and Physiology	11-12	5532203	Yes	Semester
Physical Science Courses				
Chemistry	10-12	603103	Yes	Semester
Conceptual Physics	9-10	603253	Yes	Semester
Physics	10-12	606353	Yes	Semester
Honors and Advanced Placement Courses				
AP Biology	10-12	557103	Yes	Semester
Honors Chemistry	10-12	606153	Yes	Semester
Honors Physics	10-12	606353	Yes	Semester

CP Biology

Grade 9—10

Recommendation: Grade of “C” or better in Algebra 1 and CP English highly recommended. Strong reading and reasoning skills also recommended.

A college preparatory biology course at the molecular level with curriculum that includes cell structure and function, genetics, DNA and protein synthesis, ecology, bioenergetics and evolution. Laboratory work reinforces the science concepts and emphasizes the process of science.

Anatomy and Physiology

Grade 11—12

Prerequisite: Grade of “C” or better in CP Biology or teacher approval.

This course considers the structural and functional interrelationships of the systems in the human body. The course includes class discussions, numerous labs, extensive work with slides, models, and charts, and two or three major mammalian dissections. Special emphasis is placed on medical terminology, common diseases and disorders, and genetics. This is an ideal course for those who intend to pursue a medically related career or who are simply interested in a better understanding of the human body.

CP Chemistry

Grade 10—12

Recommendation: Good mathematics, algebra, and abstract (geometric) thinking skills, and writing skills required.

Prerequisite: “C” or better grade in CP Biology and Algebra 1.

Course designed to provide college preparatory students with mathematical and laboratory-oriented instruction in basic chemistry. Chemistry includes a survey of the classifications of matter, interactions of energy and molecular structure, atomic theory, molecular and atomic structure, bonding, stoichiometry, thermodynamics, gas behavior, and acid-base reactions. Students will prepare participate in laboratory and discussion exercises. Students are expected to have strong algebra and problem-solving skills.

CP Conceptual Physics

Grade 9—10

Recommendation: Grade of B or better in Algebra I

Prerequisite: Grade of C or better in Algebra I

This is an introductory course in the foundations of physics. Emphasis is on the development of an intuitive understanding of physics principles, as well as problem solving with the use of mathematics. This course teaches Physics using math through Algebra I. The laboratory work is designed to help students develop reasoning power and the ability to apply physics principles, as well as acquaint students with sound laboratory techniques. Kinematics, Waves, Thermodynamics, Magnetism, and Electricity are all covered in this course.

CP Physics

Grade 10—12

Prerequisite: Grade of “B” or better in Algebra 1 and Geometry

This course is designed for college preparatory students who want an overview of Physics. All of the major concepts are studied including the states of matter, energy, (light, sound, heat, mechanical), kinetics (force gravity, work, motion), power, electricity and magnetism. This course involves a mathematical and conceptual approach to Physics.

AP Biology

Grade 10—12

Prerequisite: CP Biology with grade “B” or better and CP Chemistry with grade “B” or better or Honors Chemistry with grade “C” or better.

This course takes CP Biology to the next level surveying all major themes of biology. Laboratories include DNA extraction, Gel Electrophoresis, insertion of jelly fish genes into bacteria plus traditional microscope work and mathematical analysis of data. **Supplemental texts as outside reading are a requirement of this course.** Support is provided for students via Blackboard. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

Honors Chemistry

Grade 10—12

Recommendation: Grades of “B” or better in Algebra I, Geometry and CP English

Prerequisite: Grade of “B” or better in Biology or Physics.

This course examines the composition and properties of substances as well as the reactions by which substances are produced from or converted into other substances. Concepts studied include the atomic theory, kinetics, phase changes, nuclear chemistry, equilibrium, thermodynamics and acids and bases. A course emphasis is the application of concepts in daily living.

Honors Physics

Grade 10—12

Recommendation: Grade of C or better in Pre-Calculus and CP English

Prerequisite: Grade of B or better in Algebra I/II and Geometry

This course is designed for college preparatory students who perform at honors level in the fields of math and science. Major concepts in Physics to be studied include energy, kinetics (force, work, motion), electricity and magnetism. This course will require mastery of advanced mathematical skills as an integral part of the course and participation in laboratory experiments.

Social Science

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Social Science Courses				
Economics	12	654404	No	9 Weeks
Government	12	654304	Yes	9 Weeks
Military History	10-12	653503	No	Semester
Social Psychology	11-12	653653	Yes	Semester
United States History	11	653203	Yes	Semester
World Geography	9-10	651011	Yes	Semester
World Studies	10	652103	Yes	Semester
Honors and Advanced Placement Courses				
AP European History	10	657151	Yes	Semester
AP MacroEconomics	12	657454	Yes	9 Weeks
AP United States History	11	657253	Yes	Semester

Economics

Grade 12

Prerequisite: None

Students in grade twelve will also master fundamental economic concepts, applying the tools (graphs, statistics, equations) from other subject areas to the understanding of operations and institutions of economic systems. Studied in a historic context are the basic economic principles of micro- and macroeconomics, international economics, comparative economic systems, measurement, and methods.

Government

Grade 12

Prerequisite: None

Students in grade twelve pursue a deeper understanding of the institutions of American government. They compare systems of government in the world today and analyze the history and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive, and judiciary branches of government. An emphasis is placed on analyzing the relationship among federal, state and local governments, with particular attention paid to important historical documents such as the *Federalist Papers*. These standards represent the culmination of civic literacy as students prepare to vote, participate in community activities, and assume the responsibilities of citizenship.

Military History

Grade 10—12

Prerequisite: None

Military History is a course designed to provide all students with a comprehensive survey of the history, principles, effects, practices and the profession of armed conflict. Students will use skills in cooperative learning, project development, and world-class standards of technical reading, writing, research, decision-making and public speaking as they study the processes and principles of warfare in the context of the complexities of modern-day foreign policy. Students will develop an awareness of the awful realities of war through eyewitness accounts, oral histories, film, video, pictures and literature. They will also apply knowledge and skills in tactics and strategy in the context of historical situations, and through the use of computer simulations, to learn the lessons of military history in relationship to today's unpredictable global environment.

Social Psychology

Grade 11-12

Prerequisite: None

Social Psychology is a branch of psychology that analyzes the individual in the context of a social situation. This Social Psychology course provides students the opportunity to study the way in which people's thoughts, feelings and behaviors are influenced by the presence of others. Students will learn how and when people are influenced by others, and what happens in the mind of an individual when various influences come into conflict with one another. Curriculum topics include: How we understand others and ourselves, attitude formation and change, the influence of social groups, interpersonal attraction, conformity, persuasion, aggression, and prejudice.

United States History

Grade 12

Recommendation: Grade of "C" or better in Pre-Calculus and CP English.

Prerequisite: Grade of "B" or better in Algebra I/II and Geometry.

Students build upon the tenth grade study of global industrialization to understand the emergence and impact of new technology and a corporate economy, including the social and cultural effects. They trace the change in the ethnic composition of American society; the movement toward equal rights for racial minorities and women, and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students consider the major social problems of our time and trace their causes in historical events. Students understand that our rights under the U.S. Constitution are a precious inheritance that depends on an educated citizenry for their preservation and protection.

World Geography

Grade 9

Prerequisite: This course will be held in a "wireless" classroom and students will be asked to access the internet on a daily basis. Students will be required to bring to class a flash drive and a "wireless" computing device that can access the internet.

Following the national standards for geography, this course focuses on the unique characteristics of selected world regions from a geographic perspective, as well as the characteristics, distribution, and contributions of the cultures that make up those regions. Students will develop an understanding and appreciation of the ways in which the natural environments (climate, landforms, oceans), economies, cultures, and other aspects of world regions interact. An emphasis will be placed on defining the roles of global citizens through awareness of contemporary issues such as world trade, terrorism, religious conflict, pollution, and conservation of world resources.

World Studies

Grade 9

Recommendation: None

Students in grade ten study major turning points that shaped the modern world, from the late eighteenth century through the present, including the cause and course of the two world wars. They trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. They extrapolate from the American experience that democratic ideals are often achieved at a high price, remain vulnerable, and are not practiced everywhere in the world. Students develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand international relations from a variety of perspectives.

AP European History

Grade 10

Recommendation: English; teacher recommendation; college preparatory math/science courses; successful completion of qualifying essay may be required; recommended minimum GPA of 3.0 or better.

Prerequisite: Grade of “B” or better in Health/GSR (World Studies and/or US History) and English.

AP European History is a rigorous in-depth examination of European History from 1450 to the present. Preparation for college testing in European History is the major focus of this course. Students are expected to have the skills necessary for college level performance. Students will engage in the process of framing an inquiry, selecting relevant sources and organizing evidence in support of a thesis. Primary and secondary sources of information will be examined and analyzed. Students will develop skills in logic, critical thinking and high-level expository writing. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

AP MacroEconomics

Grade 12

Prerequisite: Grade of “B” or better in US History.

A course designed to provide students with a thorough understanding of the principles of economics in examining aggregate economic behavior. Students taking the course can expect to learn how the measures of economic performance, such as GDP, inflation and unemployment, are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. Students will also learn the basic analytical tools of macroeconomics, primarily the aggregate demand and aggregate supply model and its application in the analysis and determination of national income, as well as evaluating the effectiveness of fiscal policy and monetary policy in promoting economic growth and stability. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

AP United States History

Grade 11

Prerequisite: Grade of “B” or better in World Studies and CP English; teacher recommendation; college preparatory math/science courses

Students will engage in the process of framing an inquiry, selecting relevant sources and organizing evidence in support of a hypothesis. Primary and secondary sources of information will be examined and analyzed. Students will develop skills in logic, critical thinking and high-level expository writing. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

Special Education

Program designed for students on IEPs (Individualized Education Plan).

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Support Courses				
Academic Lab A-fall	9-12	211243	No	Semester
Academic Lab A-spring	9-12	211245	No	Semester
Academic Lab B-fall	9-12	403303	No	Semester
Academic Lab B-spring	9-12	403305	No	Semester
Academic Lab C-fall	9-10	808803	No	Semester
Academic Lab C-spring	9-10	808805	No	Semester
Academic Lab D-fall	11-12	808813	No	Semester
Academic Lab D-spring	11-12	808815	No	Semester
Transition-fall	11-12	853903	No	Semester
Transition-spring	11-12	853905	No	Semester
Functional Academics-fall	9-12	808913	No	Semester
Functional Academics-spring	9-12	XXXXXX	No	Semester
Independent Living Skills-fall	9-12	851853	No	Semester

Academic Lab A

Grade 9—12

Prerequisite: None

Direct instruction in reading and writing skill development through a sequence of curriculum designed to build skills from basic decoding to literary analysis, and from basic spelling or sentence writing to persuasive essay writing.

Academic Lab B

Grade 9—12

Prerequisite: None

Direct instruction in math skill development. Depending on student skill level, class grouping range from students working on basic math facts through algebra readiness.

Academic Lab C

Grade 9—12

Prerequisite: None

Designed for freshmen and sophomore students.

- 1) Preparation for the CAHSEE through use of CAHSEE prep materials designed to increase math and ELA skills.
- 2) Development of study and behavioral skills needed for academic success in core curriculum classes
- 3) Application of study and behavioral skills through group supervised work on core curriculum assignments.
- 4) For students not enrolled in Lab A or B, provides an opportunity to work on IEP goal specific skill building.

Academic Lab D

Grade 11—12

Prerequisite: None

Designed for junior and senior students who **have not** yet passed the CAHSEE.

- 1) Preparation for the CAHSEE through use of CAHSEE prep materials designed to increase math and ELA skills
- 2) Complete transition activities designed to develop skills and knowledge needed to transition from high school to adult education, training, and career placements.
- 3) Refine study and behavioral skills needed for academic success in core curriculum classes.
- 4) Application of study and behavioral skills through group supervised work on core curriculum assignments.
- 5) For students not enrolled in Lab A or B, provides an opportunity to work on IEP goal specific skill building

Transition

Grade 11—12

Prerequisite: None

Designed for junior and senior students who **have** passed the CAHSEE

- 1) Complete transition activities designed to develop skills and knowledge needed to transition from high school to adult education, training, and career placements.
- 2) Refine study and behavioral skills needed for academic success in core curriculum classes.
- 3) Application of study and behavioral skills through group supervised work on core curriculum assignments.
- 4) For students not enrolled in Lab A or B, provides an opportunity to work on IEP goal specific skill building

Functional Academics

Grade 9—12

Prerequisite: None

Designed for students who require substantial development of basic (functional) reading, writing, and math skills.

Independent Living Skills

Grade 9—12

Prerequisite: None

Designed for students who benefit from learning daily living skills through classroom and community based hands-on, learn by doing activities.

Student Academic Support

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Support Courses				
Academic Language Proficiency Fall	10-12	205553	No	Semester
Academic Language Proficiency Spring	10-12	205563	No	Semester
ELD 5 Fall	9-12	204573	Yes	Semester
ELD 5 Spring	9-12	204583	Yes	Semester
State Testing Support				
CAHSEE—English	9-12	201063	No	Semester
CAHSEE—Math	9-12	401063	No	Semester

Academic Language Proficiency Fall

Grade 10—12

Prerequisite: Concurrent enrollment in ELD English 4 or higher English course, or in a mainstream academic class

This class is designed to develop academic language for students who are becoming mainstreamed. Review of and preparation for the CAHSEE. Review of and instruction in academic language and reading, including recognizing text organization and language structure (especially those particular content classes ALP students are taking) and building vocabulary. Review of and instruction in writing, including organizational patterns, “writing to learn,” and correctness and revision. Learning theory will be studied and practiced. Computer technology will be applied to all aspects of the course work.

Academic Language Proficiency Spring

Grade 10—12

Prerequisite: Concurrent enrollment in ELD English 4 or higher English course, or in a mainstream academic class.

This class is designed to develop academic language for students who are becoming mainstreamed. Review of and preparation for the CAHSEE. Review of and instruction in academic language and reading, including recognizing text organization and language structure (especially those particular content classes ALP students are taking) and building vocabulary. Review of and instruction in writing, including organizational patterns, “writing to learn,” and correctness and revision. Learning theory will be studied and practiced. Computer technology will be applied to all aspects of the course work.

ELD 5 Fall

Grade 9—12

Prerequisite: Early Advanced to Advanced level score on the Reading and Writing portion of the CELDT.

This course focuses on continued essay development with an emphasis on expository, literary analysis, research and persuasive compositions. The emphasis is on the essential English Language Arts standards and the reading materials are from both 9 and 10 Holt Literature. Continued development of Academic vocabulary and exposure to standardized test questions also are part of the curriculum. Students leave this course prepared for a mainstreamed English class and success on the English Language Arts portion of the CAHSEE.

Prerequisite: Early Advanced to Advanced level score on the Reading and Writing portion of the CELDT

This course focuses on continued essay development with an emphasis on expository, literary analysis, research and persuasive compositions. The emphasis is on the essential English Language Arts standards and the reading materials are from both 9 and 10 Holt Literature. Continued development of Academic vocabulary and exposure to standardized test questions also are part of the curriculum. Students leave this course prepared for a mainstreamed English class and success on the English Language Arts portion of the CAHSEE.

Prerequisite: Teacher Recommendation and basic to below basic test scores; inclusive of students who did not pass the English section of the CAHSEE.

This course is designed to assist students needing to pass the California High School Exit Exam as well as for students requiring more work on basic skills. The class includes instruction and practice in reading, writing. Standard Grammar usage and literature and composition development is part of the curriculum.

Prerequisite: Teacher Recommendation and basic to below basic test scores; inclusive of students who did not pass the Math section of the CAHSEE.

This course is provides a review of the state math standards included on the CAHSEE. Students will work on sample problems and sample exit exam tests. This class is for students who have not passed Algebra I, and will provide the skills necessary for students to meet the OHS math graduation requirements.

Visual and Performing Arts

Note—Students may be charged a fabrication purchase fee for the direct costs in specified VAPA projects.

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Visual Art Courses				
Art 1	9-12	101013	Yes	Semester
Art 2	10-12	102023	Yes	Semester
Art 3	10-12	103033	Yes	Semester
Art 4	10-12	103043	Yes	Semester
Graphic Design: Photo Illustration	9-12	101103	Pending	Semester
Graphic Design: Digital Illustration	9-12	101113	Pending	Semester
Photography 1	10-12	101083	Yes	Semester
Photography 2	10-12	102093	Yes	Semester
3-Dimensional Art	10-12	101023	Yes	Semester
Honors and Advanced Placement Courses				
AP Art History	10-12	107123	Yes	Semester
AP Studio Art	10-12	107113	Yes	Semester
Performing Art Courses				
Dance	9-12	101503	Yes	Semester
Intermediate Dance	9-12	102513	Yes	Semester
Advanced Dance	9-12	102523	Yes	Semester
Drama	9-12	101583	Yes	Semester
Advanced Drama	9-12	102593	Yes	Semester
Professional Drama	10-12	103603	Yes	Semester
Musical Theater	10-12	103613	No	Semester
Intermediate Theater Art	9-12	102603	Yes	Semester
Guitar	9-12	101273	Yes	Semester
Intermediate Guitar	9-12	102293	Yes	Semester
Marching Band	9-12	101253	Yes	Semester
Symphonic Band	9-12	101263	No	Semester
Jazz Ensemble	9-12	101243		
Color Guard	9-12	851553	No	Semester
Chamber Choir	9-12	102383	Yes	Semester
Concert Choir	9-12	101353	Yes	Semester

Art 1

Grade 9—12

Supplies: Student may be charged a \$25.00 fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

In this introductory course, students express their creativity and develop their artistic perception while exploring the elements and principles of art. Students will develop their technical skills and vocabulary as they work with a variety of art tools and materials and cover foundational skills in drawing, painting, digital manipulation, and printmaking. They will exhibit work and participate in group critiques as they develop a working portfolio and a sketchbook. Through reading, writing and oral assignments, students will make aesthetic evaluations of works of art from a variety of cultures and reflect on their own artistic development.

Art 2

Grade 10—12

Supplies: Student may be charged a \$25.00 fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

Prerequisite: Completion of Art 1 with a grade of “C” or better or with instructor approval

In this intermediate course, students express their creativity and develop their artistic perception while exploring the elements and principles of art. Students will enhance their technical skills and vocabulary as they work with a variety of art tools and materials and cover intermediate skills in drawing, painting, digital manipulation, and printmaking. They will exhibit work and participate in group critiques as they develop a working portfolio and a sketchbook. Through reading, writing and oral assignments, students will make aesthetic evaluations of works of art from a variety of cultures and reflect on their own artistic development.

Art 3

Grade 10—12

Supplies: Student may be charged a \$25.00 fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

Prerequisite: Completion of Art 2 with a grade of “C” or better or with instructor approval

Students will learn a variety of new mediums, cover portfolio development, and research aspects of the visual arts. They will further delve into art analysis and work toward making independent choices with the directions of their own works.

Art 4

Grade 10—12

Supplies: Student may be charged a \$25.00 fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

Prerequisite: Completion of Art 3 with a grade of “C” or better or with instructor approval

Students will develop an independent curriculum and work toward a final exhibit and portfolio. Course includes art analysis, and research and development of ideas for personal work.

Graphic Design: Photo Illustration

Grade 9—12

Supplies: Student may be charged a \$10.00 fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

Recommendation: Completion of Art 1 with a grade of “C” or better or with instructor approval.

Note: This course is articulated with American River College and offers the opportunity to earn 3 units of college credit via a grade of “B” or better and an end of semester portfolio

Introductory course emphasizing the use of Adobe Photoshop as a tool for photo illustration and graphic design.

Exploration of photo manipulation, photomontage, and digital drawing. Focuses on concept development, fundamental principles of design and design solutions. Investigation of techniques for visualizing and presenting ideas, analyzing and critiquing design and combining diverse elements in effective layouts from concept through final critique.

Graphic Design: Digital Illustration

Grade 9—12

Supplies: Student may be charged a \$10.00 fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

Recommendation: Completion of Art 1 with a grade of “C” or better or with instructor approval.

Note: This course is articulated with American River College and offers the opportunity to earn 3 units of college credit via a grade of “B” or better and an end of semester portfolio

Introductory course emphasizing the use of Adobe Illustrator as a tool for digital illustration and graphic design.

Exploration of digital drawing and illustration, typography, and information graphics. Focuses on concept development, fundamental principles of design and design solutions. Investigation of techniques for visualizing and presenting ideas, analyzing and critiquing design and combining diverse elements in effective layouts from concept through final critique.

Photography 1

Grade 10—12

Supplies: Student may be charged a \$25.00 fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

Designed for general or college-preparatory students interested in creative and recreational photography. Emphasis will be on the principles of DSLR photography and Adobe Photoshop as digital darkroom

Photography 2

Grade 10—12

Supplies: Student may be charged a \$35.00 fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

Prerequisite: Completion of Photography 1 with a grade of “C” or better or with instructor approval.

May be repeated for credit.

This class is an opportunity to move beyond Photography 1 and work on mastering the four elements of photography: the photographic frame and its borders, quality of focus as determined by the aperture or lens, shutter speeds and their effects in relation to time and motion, the physical media used to create the aggregate image. Students will take, manipulate, and display photography demonstrative of awareness of frame, focus, shutter speed, and display as well as work strongly with Photoshop as a digital darkroom tool.

Three Dimensional Art (3-D Art)

Grade 9—12

Supplies: Student may be charged a \$25.00 fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

This course is an introduction to the three-dimensional, sculptural aspects of art. Students will be able to experiment with a variety of media, including but not limited to, clay, wood, metal, paper, textiles, etc., in both large- and small-scale applications. Students will use the basic elements and principles of design as the foundation for all work in this class. Students who have successfully met the expectations of this class will be able to continue their study of three-dimensional art in successive courses.

AP Art History

Grade 11—12

Prerequisite: Instructor approval.

An advanced class designed to provide students with a critical understanding and enjoyment of man's painting, sculpture, and architecture. The class will prepare students for the Advanced Placement Examination. Readings, slides, discussions, and field trips will be used to teach students about the history of art. Outside attendance of some art showings and/or exhibits may be required. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May

AP Studio Art 2-Design Portfolio

Grade 11—12

Supplies: Student may be charged a \$25.00 fabrication cost for any consumable item(s). These items or projects are taken home and kept by the student.

Prerequisite: Completion of one of the following with a grade of B or better: 1) Graphic Design: Photo Illustration and Graphic Design Vector Illustration, 2) Photography 1 and Photography 2; or with instructor approval

This course enables highly motivated students - those who are willing to devote considerable time to the study of graphic arts and the development of higher level—to do college level work while still in high school. Evaluation is not based on a written test, but on the grading of a portfolio of work which will be graded on quality, concentration, and breadth of formal, technical and expressive means. Students must be self-motivated and able to work independently. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

Dance

Grade 9—12

Note: While cost is minimal, students are asked to purchase shoes, tights, booty shorts, and a class shirt.

This class is an introduction to dance, dance history, and technique. This is a performance based class designed for those who want to experience a dance environment. Students will gain knowledge of dance terminology and basic dance styles; including but not limited to jazz, modern, lyrical, character, cultural, and hip-hop. It will give students the opportunity to enhance their technical skills, learn and engage in historical contributions to dance, its style and evolution as well as opportunities for group choreography and performance. Students will be required to attend all scheduled after school rehearsals. Students are required to perform in at least one piece at the end of the semester dance show.

Intermediate Dance

Grade 9—12

Recommendation: Students who have taken Beginning Dance can take this class and students with outside experience may take this class with instructor approval.

Intermediate Dance is a performance based class, designed for those students who want to continue and further their knowledge and skills in dance. This class will review and enhance existing dance skills and techniques. Students will be given the opportunity to experiment with choreographic studies as well as create their own choreography. Creation and composition of movement will be required throughout the class. Choreography assignments may be given as homework. Students are required to attend all scheduled after school rehearsals as well as perform in the end of the semester dance show.

Advanced Dance

Grade 9—12

Prerequisite: Intermediate Dance and teacher approval

This is a performance based class and is designed to expand student knowledge and skills in dance. This class will review and enhance existing dance skills and technique. Students will be introduced to famous choreographers and choreography analysis. Creation and composition of movement will be required. The students in this course will be given the opportunity to perform for the purpose of showcasing the Dance Department at local venues as they are presented. Students in this class will be required to attend all scheduled after school rehearsals as well as perform in the end of the semester show.

Drama

Grade 9—12

Prerequisite: None

This course will include a study of theater from historical and technical perspectives, but the primary focus will be on the development of acting skills. Instruction will be given in pantomime, improvisation, character development, interpretation, and scene study.

Advanced Drama

Grade 9—12

Prerequisite: Drama and/or instructors approval.

This course will include instruction in advanced acting techniques and styles, playwriting, technical skills in stage direction, lighting and sound. Students will be encouraged to participate in all of these dramatic learning areas. Students will be required to attend all scheduled performances presented on nights and weekends. May be repeated for credit.

Professional Drama

Grade 10—12

Prerequisite: Advanced Drama and/or instructor approval.

Utilizing class and department projects and productions with an instructional based emphasis, this course will focus on development of advanced and college level acting and analysis skills as well as advanced design and technical skills. Students are expected to be active members of the department's after-school public production component. Students will be required to attend all scheduled before and after school rehearsals as well as performances presented on nights and weekends. May be repeated for credit.

Musical Theater

Grade 10—12

Prerequisite: Successful completion of Drama 1 and Choir or instructor approval

Designed for students who desire to further his/her interest in an integrated area of the arts that involves the following elements: drama, dance, music, stagecraft, technology, history and public relations. The class will work together to define, promote, produce, research, and perform a musical during the term. Enrollment in the class does not guarantee a role in the chosen musical, but provides each student with a job throughout the entire 18 weeks. In addition, musical theater students will be engaged in research, exploration of set building and sound and lighting, advanced skills in vocal production, stage movement and choreography, and desktop publishing. Students will be required to attend all scheduled before and after school rehearsals as well as performances presented on nights and weekends.

Intermediate Theater Art

Grade 9—12

Prerequisite:

This course provides serious acting students the opportunity to continue their training in characterization, advanced improvisation, movement, auditioning, scene work, script analysis and interpretation and appreciation. This course may be repeated for credit.

Guitar

Grade 10—12

Note: Acoustic guitar only – guitar to be provided by student

Designed for the beginning guitar student. Instruction will include acoustic guitar techniques and skills, chords, progressions, music reading, and theory.

Intermediate Guitar

Grade 10—12

Prerequisite: Open to students who have successfully completed the Beginning Guitar class with an “A or B” grade.

The Intermediate Guitar program builds on skills acquired from the Beginning Guitar Class. Students will study specific styles of guitar playing including Folk, Blues, and Class Rock. This course places a larger emphasis on the understanding of music theory and the ongoing development of improved sight reading skills. Improvisational skills are developed as students study the use of pentatonic scales, major and minor scales, and chord movements that utilize the guitar fingerboard well beyond open position. Some audio and video selections will be used to help familiarize students with the wide variety of professional guitar styles that are celebrated in both individual and group performance situation.

Marching Band

Grade 10—12

Prerequisite: Approval of instructor based on audition or previous teacher recommendation

Designed for the advanced instrumental musician at any grade level. This fall term class will emphasize marching band performances and the winter concert. Students will be required to attend all scheduled before and after school rehearsals as well as performances presented on nights and weekends. May be repeated for credit.

Symphonic Band

Grade 10—12

Prerequisite: Approval of instructor based on audition or previous teacher recommendation. It is strongly encouraged for the student to also participate in Marching Band or Color Guard for priority enrollment in Symphonic Band.

Designed for the advanced instrumental musician of any grade level. This spring term class will emphasize concert techniques to prepare for festival, concert, and tour performances. Students will be required to attend all scheduled before and after school rehearsals as well as performances presented on nights and weekends. May be repeated for credit.

Jazz Ensemble

Grade 10—12

Prerequisite: Approval of instructor based on audition or previous teacher recommendation

Designed for the advanced instrumental musician at any grade level. This fall term class will emphasize marching band performances and the winter concert. Students will be required to attend all scheduled before and after school rehearsals as well as performances presented on nights and weekends. May be repeated for credit.

Color Guard

Grade 9—12

Prerequisite: None

The Color Guard is an integral part of the marching band performances. Students will learn to interpret music through marching formations, body/dance movements, and various color guard equipment work. Members of the Marching Band Color Guard should be enrolled in this class during the fall term. Students will be required to attend all scheduled before and after school rehearsals as well as performances presented on nights and weekends. Students of all grade levels are eligible for this class, but an audition may be required. May repeat for credit.

Concert Choir

Grade 9—12

Prerequisite: None

Designed for less experienced singer. Choral music will be rehearsed and performed. In addition, vocalization, diction, breathing, note reading, basic vocal theory, group singing, solo singing, sight singing, and performance techniques will be studied. Students will be required to attend all scheduled before and after school rehearsals as well as performances presented on nights and weekends. May be repeated for credit.

Chamber Choir

Grade 9—12

Prerequisite: Successful completion of concert choir or instructor approval. Students must be enrolled in both Fall & Spring Terms as this is a year long class.

Designed for the experienced singer. A Capella singing of historically significant music, as well as, contemporary, pop, and jazz selections will be rehearsed and performed. Ear training, theory and sight singing will be studied. Students will be required to attend all scheduled before and after school rehearsals as well as performances presented on nights and weekends. May be repeated for credit.

World Languages

Course Title	Grade Level	Course #	UC/CSU	Course Offered
World Language Courses				
French 1	9-12	251113	Yes	Semester
French 2	9-12	252123	Yes	Semester
French 3	9-12	253133	Yes	Semester
Spanish 1	9-12	251313	Yes	Semester
Spanish 2	9-12	252323	Yes	Semester
Spanish 3	9-12	253333	Yes	Semester
Native Spanish 1	9-12	251373	Yes	Semester
Native Spanish 2	9-12	252373	Yes	Semester
Honors and Advanced Placement Courses				
Honors French 4	10-12	256153	Yes	Semester
Honors Spanish 4	10-12	256353	Yes	Semester
AP French	10-12	257163	Yes	Semester
AP Spanish	10-12	257383	Yes	Semester

French 1

Grade 9—12

Prerequisite: None.

The major emphasis of these courses is to develop personal communication skills in the target language. The students have opportunities to listen and read for comprehension, and to speak and to write in basic patterned and planned responses with some spontaneous conversations. The curriculum includes the following: vocabulary development, pronunciation practice, development of listening and reading comprehension skills, short writing assignments, and reading authentic materials as well as grammar skills as they relate to topics studied. Emphasis is placed on listening, reading and writing. These are the first skills acquired by novice learners. Students will be introduced to culture appropriate to the level of the language they are studying.

French 2

Grade 9—12

Prerequisite: A grade of “C” or better in French 1 or Spanish 1.

The major emphasis of these courses is to continue to develop personal communication skills in the target language. Students will have additional opportunities to increase their abilities in the areas of: listening comprehension, reading, writing and speaking. Curriculum includes: continued emphasis on listening, reading and writing and speaking the language, the study of expanded thematic vocabulary, expressing simple past actions, short writing assignments, and reading authentic materials. Students will increase their cross-cultural understanding.

French 3

Grade 9—12

Recommendation: Strongly recommended for college preparatory students.

Prerequisite: A grade of “C” or better in French 2 or Spanish 2.

Designed for students who desire to learn to communicate in the target language with a greater degree of fluency and accuracy. The major emphasis of these courses is placed on oral and written communication in the target language. The curriculum includes: class discussions, interviews, short essays, authentic literature and reading materials from the cultures where the languages are spoken, and more advanced cultural readings. Also included is the application of expanded thematic vocabulary (including idiomatic expressions), practical use of various verb tenses and moods, as well as complex grammar structures as they relate to the topics studied.

Spanish 1

Grade 9—12

Prerequisite: None.

The major emphasis of these courses is to develop personal communication skills in the target language. The students have opportunities to listen and read for comprehension, and to speak and to write in basic patterned and planned responses with some spontaneous conversations. The curriculum includes the following: vocabulary development, pronunciation practice, development of listening and reading comprehension skills, short writing assignments, and reading authentic materials as well as grammar skills as they relate to topics studied. Emphasis is placed on listening, reading and writing. These are the first skills acquired by novice learners. Students will be introduced to culture appropriate to the level of the language they are studying.

Spanish 2

Grade 9—12

Prerequisite: A grade of “C” or better in French 1 or Spanish 1.

The major emphasis of these courses is to continue to develop personal communication skills in the target language. Students will have additional opportunities to increase their abilities in the areas of: listening comprehension, reading, writing and speaking. Curriculum includes: continued emphasis on listening, reading and writing and speaking the language, the study of expanded thematic vocabulary, expressing simple past actions, short writing assignments, and reading authentic materials. Students will increase their cross-cultural understanding.

Spanish 3

Grade 9—12

Recommendation: Strongly recommended for college preparatory students.

Prerequisite: A grade of “C” or better in French 2 or Spanish 2.

Designed for students who desire to learn to communicate in the target language with a greater degree of fluency and accuracy. The major emphasis of these courses is placed on oral and written communication in the target language. The curriculum includes: class discussions, interviews, short essays, authentic literature and reading materials from the cultures where the languages are spoken, and more advanced cultural readings. Also included is the application of expanded thematic vocabulary (including idiomatic expressions), practical use of various verb tenses and moods, as well as complex grammar structures as they relate to the topics studied.

Native Spanish 1/ Español Nativo 1

Grade 9—12

Prerequisite: Native-like fluency in Spanish or placement test. Nivel nativo de español o un examen de colocación. UC/CSU- e Language other than English requirement /Cumple con los requisitos de admisión a UC/CSU

A college-preparatory class for students with native-like fluency in Spanish and basic language skills who wish to develop and enhance the integrated skills of listening, speaking, reading and writing. Students will also have the opportunity to develop understanding for the Hispanic Culture.

Literature/Literacy serves as a basis for both oral and written work.

Una clase pre-universitaria para estudiantes con un nivel nativo de español y con habilidades básicas del idioma que desean desarrollar y mejorar sus habilidades integradas de escuchar, hablar, leer y escribir. Los estudiantes también tendrán la oportunidad de desarrollar un entendimiento y una apreciación por la cultura Hispana. La literatura sirve como una base para el trabajo oral y escrito.

Native Spanish 2/ Español Nativo 2

Grade 9—12

Prerequisite: “C” or better grade in Native Spanish 1 or placement test. “C” o mejor nota en Español Nativo 1 o examen de colocación.

UC/CSU- e Language other than English requirement /Cumple con los requisitos de admisión a UC/CSU

A college-preparatory class for students who have successfully completed Native Spanish 1 and wish to continue to develop literacy skills at the native level. Literature/Literacy serves as a basis for both oral and written work.

Una clase pre-universitaria para los estudiantes que han completado satisfactoriamente la clase de Español 1 y desean continuar el desarrollo de sus habilidades literarias al nivel nativo. La literatura sirve como una base para el trabajo oral y escrito

Honors French 4

Grade 10—12

Prerequisite: A grade of “C” or better in French 3 or Spanish 3.

This course will further develop skills which students have already acquired in the language. Emphasis is placed on communication skills including class discussions, interviews and literature readings. Written compositions and oral presentations are assigned. Literature serves as a basis for both oral and written work.

Honors Spanish 4

Grade 10—12

Prerequisite: A grade of “C” or better in French 3 or Spanish 3.

This course will further develop skills which students have already acquired in the language. Emphasis is placed on communication skills including class discussions, interviews and literature readings. Written compositions and oral presentations are assigned. Literature serves as a basis for both oral and written work.

AP French

Grade 10—12

Prerequisite: “C” or better in honor level courses.

The course will continue to develop previous skills in the language, with an emphasis placed on grammar as well as on communication. Course work will include discussion, interviews, interpretations, written compositions, and oral presentations. Literature serves as the basis for both oral and written work. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

AP Spanish

Grade 10—12

Prerequisite: “C” or better in honor level courses.

The course will continue to develop previous skills in the language, with an emphasis placed on grammar as well as on communication. Course work will include discussion, interviews, interpretations, written compositions, and oral presentations. Literature serves as the basis for both oral and written work. As a condition of your enrollment in an Advanced Placement course at OHS students are expected to take the AP Exam offered in May.

Leadership Electives

The following classes are available for all students to enroll in depending on your year in school. There is an application process for all classes. Applications can be found on the website or available from your counselor.

Our vision for the Viking Leadership Core is to have students gain and practice the knowledge and skills needed to become a successful leader in high school and for life after graduation from Oakmont High School.

Course Title	Grade Level	Course #	UC/CSU	Course Offered
Viking Leadership Core				
Communication and Leadership	9-10	851403	No	Semester
Peer Helping	11-12	852453	No	Semester
Student Government	9-12	851353	No	Semester
Link Crew	10-12	XXXXX	No	Before/After School
Individual Leadership Opportunities				
Office Aide	11-12	703013	No	Semester
Teacher Assistant	11-12	703003		
Teacher Intern	11-12	753353	No	Semester
Library Science 1	11-12	852613	No	Semester
Library Science 2	11-12	852623	No	Semester

Communication and Leadership

Grade 9—10

Prerequisite: Application process and consent of instructor

Leadership is a semester course designed to provide students with the skills they need to be effective leaders: understanding personality and leadership styles, time and stress management, group dynamics, public speaking and leadership roles. Students will also learn and apply effective communication skills, resource management, and interpersonal skills through enjoyable and significant hands-on activities. Students must be prepared to attend and participate in events on campus outside of the regularly scheduled class time. This course is designed to provide students with the leadership skills they need to be actively involved in Student Government, Peer Helping, Athletics, and other co-curricular activities as well as work experiences and career preparation activities outside of school.

Peer Helping

Grade 11—12

Prerequisite: Application/interview required in addition to teacher recommendation. May not be repeated for credit.

The Peer Helping course is designed to train students in helping skills that can be used on campus and in the community. This program offers training in the following areas: conflict resolution, leadership and communication skills, suicide prevention, tutoring, substance abuse and violence training, and other interpersonal helping skills. In addition, this class provides field experience for young people who are potentially interested in careers in education or related service-oriented professions.

Student Government

Grade 9—12

Prerequisite: Application process, election process, teacher recommendation, and consent of instructor. May be repeated for credit.

A semester course for students elected or appointed to The Oakmont Associated Student Body. This course is designed to teach the basic functions of responsible government including representing the views of the constituents, budgeting, decision-making, and parliamentary procedure. Students also learn to implement career skills such as event planning, event coordinating, effective communication, team building, problem solving, time management, goal setting, stress management, and overall personal relationship skills through fun and meaningful activities. Student Government is a course designed to provide a setting for hands-on learning and implementing of the ASB and Class Activities programs as well as all ASB financial responsibilities at Oakmont High School. Elected and appointed leaders enroll in one of two sections to focus on either Class Council activities or ASB activities.

Link Crew

Grade 10—12

Prerequisite: Teacher Recommendation. Mandatory orientation training.

Link Crew trains members of the junior and senior class to be leaders and mentors for freshman. As positive role models, Link Leaders are motivators and teachers who guide the freshmen to discover what it takes to be successful in high school. Link Crew begins with a spirited and interactive freshman orientation at the start of the school year. The goal of the day is to welcome the freshmen to their new campus and encourage them to think about the path they will take during the next four years. Link Crew continues by providing a variety of Follow Up activities throughout the year.

Office Aide

Grade 11—12

Prerequisite: 2.5 GPA, good attendance, and completed aide application

Students will be expected to file, answer phones, greet the public, distribute passes, and perform other clerical tasks as assigned by the office for which they are aiding

Teacher Aide

Grade 11—12

Prerequisite: 2.5 GPA, good attendance, and completed aide application

Designed to provide the student with an opportunity to communicate subject areas correctly and clearly to others, to take on responsibilities and to work with others. Emphasis will be on organizing materials, understanding material and teaching it to others, performing clerical work, and giving individual instruction to students who have been absent or need help in a given area. A maximum of 10 credits may be applied toward graduation. Any violations of school rules may necessitate removal from this position.

Teacher Intern

Grade 11—12

Prerequisite: 2.5 GPA, good attendance, proficient test scores, and completed aide application

Students who request TI must fulfill the following requirements:

- Interest in the field of teaching as a career or a related field.
- Complete leadership training workshops and/or presentations (when applicable).
- Prepare/teach lessons, one-one tutoring, small group instruction, and teaching whole class lessons.
- Students will also complete self-evaluations.
- Conduct self and lessons presented to peers in a professional manner at all times

Library Science 1

Grade 10—12

Prerequisite: Grade of "C" or better in English and good attendance, submission of aide application available from the librarian

Designed for students to complete the clerical tasks involved in the daily operation of the library, including circulating materials and helping library patrons. Students will also learn how to effectively locate source material and promote the collection and library services. Cooperation and team problem solving will be emphasized. Please note: Library Science is an academic elective. Students complete weekly course work in Library Science and earn a letter grade.

Library Science 2

Grade 11—12

Prerequisite: Instructor approval based on performance and attendance in Library Science 1

Designed to reinforce Library Science 1 skills, including locating resources and the daily operation of a library. In addition to this review, the student will also write bibliographic resource lists, comprehensive reviews, and annotations. Student will be responsible for more independent projects and promoting library services. Computer skills learned in Library Science 1 will be expanded. Please note: Library Science is an academic elective. Students complete weekly course work in Library Science and earn a letter grade.

49er Regional Occupational Programs

Course Title	Grade Level	Location	Internship	Course Offered
Accounting	11-12	Lincoln HS	No	Year Long
Architecture, Construction, & Engineering	11-12	Granite Bay HS	Yes	Year Long
Automotive Services	11-12	Colfax, Nevada Union and Placer High Schools	No	Year Long
Automotive Technology	11-12	Nevada Union & Placer High Schools	Yes	Year Long
Baking and Pastry Careers	11-12	Whitney HS	No	Year Long
Business Communications	11-12	Rocklin HS	No	Year Long
Business Entrepreneurship	11-12	Lincoln HS	No	Year Long
Business Finance and Accounting	11-12	Woodcreek HS	Yes	Year Long
Business Technology	11-12	Granite Bay And Lincoln High Schools	Yes	Year Long
Child Development Education	11-12	ROP Center and Nevada Union HS	Yes	Year Long
Communications: Web 2.0	10-12	On-line	No	Semester Fall
Construction and Architectural Design	11-12	Nevada Union HS	No	Year Long
Culinary Arts, Advanced	11-12	Del Oro and North Tahoe High Schools	Yes	Year Long
Dental Careers	11-12	ROP Center	Yes	Year Long
Design and Construction	11-12	Colfax HS	No	Year Long
Digital Communications	11-12	Lincoln and Nevada Union High Schools	No	Year Long
Energy and Environmental Technology	11-12	Foresthill HS	No	Semester Fall
Energy and Environmental Technology	11-12	Foresthill HS	No	Semester Spring
Fashion Merchandising Careers	11-12	ROP Center and Nevada Union HS	Yes	Year Long
Financial Services Careers	11-12	Lincoln HS	Yes	Year Long
Fire Science Careers	11-12	Fire Station #87	Yes	Year Long
Fire Science Careers. Advanced	11-12	Fire Station #87	Yes	Year Long
Graphic Communication Arts	11-12	Lincoln HS	No	Year Long
Health Care Essentials	11-12	ROP Center	No	Semester Fall
Health Careers	11-12	ROP Center and Nevada Union HS	Yes	Year Long
Law Enforcement Careers	11-12	Roseville and Nevada Union High Schools	No	Year Long
Marketing Careers	11-12	Rocklin and ROP Centers and Nevada Union HS	Yes	Year Long
Medical Assisting, Clinical	Seniors 18 years old	ROP Center	Yes	Year Long
Network Technology 1-2, 3-4 (CISCO)	11-12	Nevada Union HS	No	Year Long
Open-Source Productivity Tools	10-12	On-Line	No	Semester Spring
Sports and Entertainment Marketing	11-12	Rocklin HS	No	Year Long
Sports Medicine Careers	11-12	Del Oro, Nevada Union, Placer and Lincoln High Schools	Yes	Year Long

Course Title	Grade Level	Location	Internship	Course Offered
Sports Medicine Careers, Advanced	11-12	Del Oro and Nevada Union High Schools	Yes	Year Long
Veterinarian Science	11-12	ROP Centers	Yes	Year Long
Video Production	11-12	Lincoln and Truckee High Schools	No	Year Long

Please refer to the 49er PCOE—ROP Program Guide for additional details and complete course descriptions. ROP Program Guide is located on the Oakmont High School website: <http://oakmont.org>

OHS Guidance Department Polices & Procedures

CLASS CHANGES

The Guidance Department will make class changes based on the following reasons: **obvious errors, course taken in credit recovery, wrong level, inappropriate placement, or incomplete pre-requisite.**

CLASS CHANGE PROCESS

- **ALL CLASS CHANGES MUST BE INITIATED THROUGH THE STUDENT'S COUNSELOR BY COMPLETING A CLASS CHANGE FORM.**
- **ALL CLASS CHANGES MUST BE COMPLETED DURING THE FIRST WEEK OF A NEW QUARTER.**
- If a student/parent has a concern about a class/teacher, the counselor or administrator will Recommend the following procedure:
 1. At the first sign of difficulty, the student will contact the teacher. This will make the teacher aware of the student's concerns or frustrations and will facilitate getting additional help from the teacher.
 2. If the student feels he/she has tried the suggestions of the teacher and continues to struggle, a parent conference should be scheduled. Appointments can be scheduled by phone or e-mail for a parent/teacher/student conference scheduled by the counselor.
 3. If both student and teacher have tried to improve the student's progress in the class, the parents can appeal for administrative action with an assistant principal. The assistant principal will then meet with the parent, student, teacher and counselor to determine if there is anything else that can be done to resolve the conflict in the class.

This process is designed with the intent of placing effort and responsibility on the student. We hope that the parent and Teacher conferences will improve communication and promote amore positive learning environment for all students.

COURSE WITHDRAWAL POLICY

Course Withdrawal (Drop) Policy → Students will receive a withdrawal (drop) "F" grade if any class is dropped after the first full week of the quarter. Students will not be allowed to drop required classes (English, PE, Social Studies, etc.)

Only appropriate level changes will be considered following the first full week of each quarter. Math, Science, or World Language level changes will be considered with a teacher, parent, and student approval only. If no apparent level Change can be made, the only way a student can exit the class is with a withdrawal "F" grade.

Special Education changes will be reviewed on an individual basis.