

ORCAS ISLAND
HIGH SCHOOL



COURSE SELECTION
GUIDE
2011-2012

Dear Students and Parents,

This course guide is designed to give you information about classes offered at Orcas Island High School for the upcoming school year. Every attempt has been made to print all of the correct information about every class. If you find an error, or have questions, please talk with Georgia Philbrook, Lisa Clark, Nancy Wrightsman or me.

Please note that, due to the budget issues, some classes listed may not be offered. Please be aware of the possibility of change and be prepared to make alternate choices.

A class schedule will be created based on student requests. If we do not get requests from a student, that student has no input into the final class schedule.

IF school staffing has been determined early enough for the schedule to be created, students will complete class registration on the last day of school when they will be able to select their classes online. When students register for classes, they will only see the classes that they entered as class requests, so it is important that these requests are correct. IF school staffing is not ready in time to prepare the class schedule, the schedule will be completed in the summer.

In order to provide more variety and challenges to our students, we continue to offer some classes in alternate years. Class descriptions for classes that are not offered this year are included in this guide so that students can do multi-year planning.

This is a small school and most of our classes will appear on the schedule in only one place. We try hard to create a schedule that meets the needs and wants of most students but there are always some disappointments. Please list alternate classes that you would be interested in taking if your first choice is not available or is dropped because of a lack of enrollment. This is particularly important with online registration as you will only be able to see classes that you have requested as regular or alternates.

If you don't see the class you would like to take or if your final schedule is not to your liking, remember that independent study classes can be arranged through Nancy Wrightsman.

Thank you for your continuing support and encouragement. I hope that you will be joining or continuing with us to help make next year a wonderful school year for everyone.

Sincerely,

Barbara Kline
Principal

ORCAS ISLAND HIGH SCHOOL
COURSE GUIDE
2011-2012

TO REGISTER FOR CLASSES:

1. READ THIS COURSE GUIDE.
2. FOLLOW THE DIRECTIONS ON THE CLASS REQUEST INFORMATION PAGE IN THE BACK OF THIS BOOKLET.
3. COMPLETE AND RETURN THE CLASS REQUEST FORM WHICH IS THE LAST PAGE IN THIS BOOKLET BY THE END OF APRIL.
4. ASK FOR HELP IF YOU NEED IT.

ARTS

Course Title: ART FOR LIFE
Grade Levels: 9-12
Length: One semester
Type: Art credit: .5
Prerequisite: No prerequisite

This class is a journey into the visual arts and the creative process. Students begin with a foundation of learning how to see and to draw. Drawing is then used throughout the semester as the basis for exploration into other mediums, including painting and printmaking. Students may sign up for this class more than one time to do advanced projects for additional credit.

Note: This class has a materials fee of \$30.

Course Title: ADVANCED ART
Grade Levels: 9-12
Length: One semester
Type: Art credit: .5
Prerequisite: Art for Life or other art class

Students will be doing advanced drawing, painting and print work.

Note: This class has a materials fee of \$30.

Course Title: CHOIR
Grade Levels: 9-12
Length: One semester or may be taken for two semesters
Type: Art credit: .5 per semester
Prerequisite: An interest in and ability to sing.

We will be performing as an ensemble and in small groups and solo singers as well. Students will perform with the guitar ensemble and soloists may perform with the Jazz Band.

Course Title: ORCHESTRA
Grade Levels: 9-12
Length: One semester or continuous
Type: Art credit: .5 per semester
Prerequisite: MS Band experience.

Jazz, traditional and modern music styles will be explored. Field trips and concerts are required. This Orchestra class utilizes the new music computer lab and synthesizers to teach music theory and composition skills. Each orchestra member participates in an ensemble experience, studies their instrument specific exercises and uses the lab for assignments. Students who do not have experience playing a band instrument may join the Orchestra, provided they choose a focus instrument and participate in all concerts and activities.

CAREER AND TECHNICAL EDUCATION

(CTE)

Course Title:	<u>CAREER CHOICES</u>
Length:	Must be 16 or over (some exceptions with permission of principal) to participate One semester (May be repeated with program coordinator's approval).
Type:	CTE or Elective credit: .5 per semester.
Prerequisite:	Approval of work based learning coordinator and completion of application packet. Students must have completed or be enrolled in another vocational class.

Career Choices is a work based learning program. Students earn credit through real work experience in community based work sites. Students must verify 90 hours of unpaid work experience or 180 hours of paid work experience per semester for a .5 credit. Use this class to explore a career of interest, improve employability skills, gain valuable work experience, enhance your resume, or do community service work through a nonprofit organization. Job placement help available for students seeking unpaid work experience.

AGRICULTURE (CTE)

Course Title:	<u>FEAST</u>
Grade Levels:	9-12
Length:	Summer
Type:	CTE or Elective credit: 1.0
Prerequisite:	Approval of CTE director, Kari Schuh or OASIS HS teacher, Marta Branch

This course is considered a general agriculture class and the credit you earn will show up on your fall 2010 1st semester transcript. The classes will be 2-3 days a week starting end of May and running through early September. Included in the learning experience is a camping trip, potlucks, an internship, and a culminating FEAST given to the Orcas community.

BUSINESS EDUCATION (CTE)

Course Title:	<u>COMPUTER APPLICATIONS</u>
Grade Levels:	9-12 (All 9 th graders should plan to complete this class in 9 th grade.)
Length:	One semester
Type:	CTE credit: .5
Prerequisite:	Some experience with Microsoft Office, and a basic understanding of the Macintosh operating system is helpful.

This course is designed to teach students applications of specific software programs. Depending on the knowledge and experience of the class as a whole, the courses may cover a range of powerful applications from advanced word processing, introduction to desktop publishing, spreadsheet design, and web page authoring. Emphasis will be on multimedia design, including digital photography and movie making.

Course Title: DESKTOP PUBLISHING
Grade Levels: 9-12
Length: One year
Type: CTE credit: .5 per semester
Prerequisite: Computer Applications and approval of instructor.

Work with state of the art desk-top publishing equipment as you create the school yearbook. Students will learn advanced publication techniques with Adobe in design, and digital photography technique and photo manipulation using Adobe Photoshop. To gather photos and footage for the yearbook and to meet deadlines. Attendance at some after school functions, occasional work after school and on some weekends along with participating in fundraising is required.

Course Title: COMPUTER APPLICATIONS II
Grade Levels: 9-12
Length: One semester
Type: CTE credit: .5 per semester
Prerequisite: Computer Applications

Students with a basic understanding of various computer programs and the Macintosh operating system will expand their knowledge using more advanced techniques and programs, including Final Cut Pro for movie making, Adobe Photoshop for digital imaging, and Dreamweaver for web site development.

Course Title: DIGITAL MEDIA
Grade Levels: 9-12
Length: One semester
Type: CTE credit: .5 per semester
Prerequisite: Computer Applications

Students will create their own videos& podcasts.

INDUSTRIAL TECHNOLOGY (CTE)

Course Title: VIKING WOODWORKS
Grade Levels: 9-12
Length: One year (may be taken a second, third, and fourth year with permission of instructor).
Type: CTE credit: .5 per semester
Prerequisite: None

Viking Woodworks is a high school woodworking program dedicated to the introduction and familiarization of traditional carpentry and cabinetmaking skills. Students become familiar with the use of hand tools and eventually power tools with an emphasis on safety. Freedom of design is encouraged for projects. Many community projects allow students an opportunity to participate in a project with special recognition for their volunteer efforts.

ELECTIVES

Course Title: **CAREER CHOICES**
Grade Levels: 11 & 12 (16 years and older).
Length: One semester (May be repeated with program coordinator's approval).
Type: Elective or CTE credit: .5 per semester.
Prerequisite: Application and approval of coordinator. In certain instances, personal insurance must be carried. See coordinator for clarification.

This is a work-study class where the student is trained at a "real life" situation in the community. Over fifty different training sites are available. Use this class to explore career options, to line up a part time job, or to do charitable service for the school and/or community. In order to take this class, students must have completed or be completing another vocational class.

Course Title: **STUDENT ASSISTANT** (can also earn Career Choices Credit)
Grade Levels: 11 & 12 (9, 10 with permission of counselor)
Length: One semester
Type: Elective or CTE credit: .5 per semester
Prerequisite: Application must be completed and approved by counselor and staff member.

Students earn credit through working in service to the school. Responsibility, initiative and a willingness to work are required. Regular attendance and punctuality are important in evaluation.

Library Assistants: Work in the library includes shelving books, maintaining displays, processing materials, delivering materials to classrooms, working at the check-out counter, assisting students to find the needed information and working with elementary students.

Office Assistants: Work in the office includes answering the phone, calling for students, filing, distributing materials, maintaining office supplies and acting as receptionists.

Teacher Assistants: You may be assigned to an elementary or secondary staff member. Work for teachers includes preparing materials, photocopying, preparing displays, recording data, working with individuals or small groups of students within the classroom, etc.

Custodial Assistants: Work includes moving tables and chairs, picking up litter, sweeping, vacuuming, general cleaning of desks and windows and emptying trash.

Note: Other classes may be counted for elective credit including Foreign Languages, and any classes beyond the required number of credits in each subject area.

ENGLISH

Course Title: **WRITING FOR HIGH SCHOOL** (required for graduation)
Grade Levels: 9-10
Type: English credit: 1.0
Length: One year
Prerequisite: None

Designed to help students master the forms of the expository essay, whether to inform, to describe, to persuade, etc. Both timed and untimed, serious and humorous forms will be taught and practiced. Some creative writing may also be included. Short stories, plays, and novels will be read, discussed and analyzed.

Note: Writing for High School may be divided into three classes: Writing for High School, Writing

Essentials and Advanced Writing for High School. 8th grade teachers will work with 9th grade teachers to determine student placement with input from student and parents.

Course Title: LITERATURE I
Grade Levels: 10-12 (9th graders with permission of instructor)
Type: English credit: .5
Length: One semester (1st semester only)
Prerequisite: Writing for High School or permission from counselor/principal

In this class students will take a close look at the genres of the short story and the non-fiction article. Selections are chosen because they represent the best of their kind by authors dealing with vital topics or themes. These pieces will be the springboards for both expository essays and non-expository writings.

Course Title: LITERATURE II
Grade Levels: 10-12 (9th graders with permission of instructor)
Type: English
Length: One semester (2nd semester only)
Prerequisite: Writing for High School or permission from counselor/principal

In this class students will study poetry and drama: key works on issues of human existence. Both common and individual choices will be the prompts for discussion and writing. Journals are required to be kept daily.

Course Title: FILM AS LITERATURE
Grade Levels: 10-12
Type: English or Art credit: .5
Length: One semester
Prerequisite: Writing for High School

What issues captivated the eye and mind during the first eighty years of this century? Is the flat screen more to be trusted than the flat page? Than the eyewitness? A tour of the film industry using films as examples followed by discussion and writing.

Course Title: MYSTERY FICTION
Grade Levels: 9-10 (other grades by permission)
Type: English credit: .5
Length: One semester
Prerequisite: None, but should be a good reader and confident writer.

Students will study the mystery, among the oldest forms of entertainment in the world and at its best in the "Who done it." A core of types and authors will be read, viewed, discussed and analyzed. Individual readings are designed to give a taste of the variety of sleuth-types found today. Final exam is a competition between teams for the solution of a mystery.

Course Title: SCIENCE FICTION
Grade Levels: 9-10 (other grades with permission)
Type: English credit: .5

Length: One semester
Prerequisite: None, but should enjoy reading and be a confident writer.

The most recent of fictive forms, Science-Fiction, is the focus of reading, thinking, and writing. Film segments as well as a representative selection of works by recognized writers who describe man's love/hate relationship to his own science and technology.

Course Title: **SPEECH**
Grade Levels: 9-12
Type: English or Elective credit: .5
Length: One semester
Prerequisite: None

This course is designed to help students improve their public speaking skills. Emphasis is placed on encouraging an awareness of the power of speech, the creativity involved in developing and organizing a speech, and the confidence building of delivering an effective message.

Course Title: **COMMUNICATION**
Grade Levels: 9-12
Type: English or Elective credit: .5
Length: One semester
Prerequisite: Speech

This course offers an opportunity to learn and apply the practical skills of interpersonal communication. It also exposes students to the concept of critical analysis of media communication. Lessons and exercises help student improve their communication in both personal and professional settings, as well as to examine media messages.

Course Title: **AMERICAN LITERATURE**
Grade Levels: 11 & 12 (10th with A in 9th grade English class and permission of 9th grade instructor on class selection form)
Length: One year
Type: English credit: .5 per semester
Prerequisite: Writing for High School

Students will read and analyze American literature. Included are short stories, drama, essays, journals, biographies, and novels. Students will be required to write four essays per quarter.

Course Title: **BRITISH LITERATURE** (Not offered 2011-2012 School Year)
Grade Levels: 11 & 12 (10th with an A in 9th grade English class and permission of 9th grade instructor on class selection form)
Length: One year
Type: English credit: .5 per semester
Prerequisite: Writing for High School

Students will read and analyze British literature. Students will be required to write four essays per quarter.

Course Title: ADVANCED PLACEMENT ENGLISH
Grade Level: 12
Length: One year
Type: English credit: .5 per semester
Prerequisite: Writing for High School American or British Literature and teacher recommendation. It is recommended that students have a 580 on the Verbal section of the SAT or 58 on the Verbal section of the PSAT

Students will critically read and write about a broad range of literature from the 16th century to the present. Writing assignments will focus on the critical analysis of literature and will include expository, analytical and argumentative essays. Students will be expected to take and pay for the AP Literature and Composition Exam in May. Be sure to pick up a copy of the summer reading and writing requirements from the teacher or from the office before summer vacation.

Course Title: WRITING
Grade Levels: 11 & 12
Length: One semester
Type: English credit: .5 per semester
Prerequisite: Writing for High School, and one more English credits (2 credits total) and consent of instructor (need signature on class selection page)

Students will improve their writing skills. Class will focus on the original writing of poetry, fiction, or nonfiction. The structure of the class is a community of writers that help all members become more effective writers. All students will be required to share their work with classmates and submit their work to Island Ink for publication.

Note: This class depends on budget and enrollment.

Course Title: BIBLE AS LITERATURE
Grade Levels: 10-12
Length: One semester
Type: English credit
Prerequisite: Writing for High School and a minimum of one semester of Western Civilization or Enrollment in AP European History.

Whatever our belief system all of us have been touched by art, literature, theatre and philosophy that are based on the stories and teachings of the Judo-Christian Bible. As a part of understanding our Western heritage and its allusions, symbols, stories, and pedagogy it is appropriate to look at this book in a literary context.

This class will only look at the stories and influences most often reflected in other writing of our culture.

FOREIGN LANGUAGE

Course Title: SPANISH I
Grade Levels: 10-12 (9th graders by permission of instructor)
Length: One year (Students must receive a C or above to continue 2nd Semester.)
Type: Elective credit: .5 per semester

Prerequisite: None

Listening, speaking and writing will be emphasized. Work is based on a textbook and supplemented with games, videos, and songs. Active student participation is required.

Course Title: **SPANISH II**
Grade Levels: 10-12
Length: One year
Type: Elective credit: .5 per semester
Prerequisite: Spanish 1 with a grade of C or better & there will be a short summer reading assignment.

Students will sharpen their skills in speaking, listening, reading and writing Spanish.

Course Title: **SPANISH III**
Grade Levels: 11-12
Length: One year
Type: Elective credit: .5 per semester
Prerequisite: Spanish 2 with a grade of C or better

The course is designed for students who have a high interest in attaining proficiency in Spanish.

Note: It may be offered as a combined Spanish 3/4.

Course Title: **AP SPANISH/SPANISH IV**
Grade Levels: 11-12
Length: One year
Type: Elective credit: .5 per semester
Spanish 3 with a grade of C or better & a short summer reading assignment.

This class prepares students to take the AP Spanish test.

Note: This class depends on enrollment. If there is not sufficient enrollment to create one section of Spanish 4, it may be offered as a combination Spanish 3/4 if funding allows.

MATHEMATICS

Course Title: **APPLIED MATH I**
Grade Levels: 9-12
Length: One year
Type: Math or CTE credit: .5 per semester
Prerequisite: None

Course Title: **APPLIED MATH II**
Grade Levels: 11-12
Length: One year
Type: Math or CTE credit: .5 per semester
Prerequisite: One year of high school math.

A variety of topics are covered in this class which is taught through the application of mathematics to work. In particular students will apply math skills to complete projects from building construction and engineering fields.

Course Title: ALGEBRA I
Grade Levels: 9-12 (accelerated 8th graders by teacher recommendation)
Length: One year
Type: Math credit: .5 per semester
Prerequisite: Applied Math, 8th grade math or with a grade of C or higher or teacher recommendation

Algebra 1 is the first year of the college preparatory math classes. It reviews and strengthens basic algebra skills which include writing and solving equations and inequalities. A foundation is laid for the understanding and use of functions with a special emphasis on linear functions, linear inequalities, and systems of linear functions/inequalities. More advanced functions such as quadratic or radical or rational functions are introduced and later emphasized in the 3rd year Algebra 2 course (or for 2010-2011, Int. Math 3). Percents and exponential functions are studied in this course as well as exponents, polynomials, and factoring of polynomials. Finally, there is the study of probability and data analysis.

Course Title: ALGEBRA II
Grade Levels: 10-12
Length: One year
Type: Math credit: .5 per semester
Prerequisite: Algebra I and Geometry

Algebra 2 builds on the knowledge gained from Algebra 1 and Geometry. This class expands on the concept of function and explores more advanced functions. Other topics include conic sections, complex numbers, logarithms, and discrete mathematics. Algebra 2 is the 3rd and final college preparatory required in order to apply to a 4-year university.

Course Title: GEOMETRY
Grade Levels: 9-12
Length: One year
Type: Math credit: .5 per semester
Prerequisite: Algebra I with a grade of C or higher or permission of instructor.

Geometry continues with the instruction regarding analytic geometry and transformational geometry. This course develops geometric reasoning and spatial reasoning and applies this skill to developing proofs. Much attention is given to properties and attributes of triangles regarding congruence, similarity, and the use of trigonometry and Pythagorean theorem to the study of right triangles. The other aspects of the course include the study of circles, polygons other than triangles, perimeter, area, circumference, and volume.

Course Title: PRECALCULUS/INTEGRATED MATH IV
Grade Levels: 11-12
Length: One year
Type: Math credit: .5 per semester
Prerequisite: Integrated Math 3 with a grade of B or higher or permission of instructor.

This class is a Pre-calculus class and the fourth year of the Integrated Math college preparatory classes. This is a rigorous class designed for dedicated students and is recommended for students applying to a 4 year university. The class includes lessons on analytic trigonometry, advanced properties of functions, rational, periodic, polynomial and their limits, complex numbers, conic sections, and the introduction to calculus.

Course Title: AP CALCULUS
Grade Levels: 11-12
Length: One year
Type: Math credit: .5 per semester
Prerequisite: Pre-calculus or Advanced Integrated Math 4 with a grade of B or higher.

This is a college level math class. Students will be prepared to take the AP Calculus test in May. Students who score high enough on the AP exam may receive college credit, depending on the university.

Course Title: MATH WITH BUSINESS APPLICATIONS
Grade Levels: 12th Grade
Length: One year
Type: Math credit: .5 per semester
Prerequisite: Two years of high school math.

A variety of topics are covered in this class including Hourly Wages; Salary, Commission, & Benefits; Cash Purchases; Checking Accounts; Loans, Charge Accounts; Owning an Automobile; Housing Costs, Insurance, and Investments. Students will participant in a business project each semester.

PHYSICAL EDUCATION/HEALTH

Course Title: HEALTH (This class is required for graduation as a .5 of the 2 required PE/Health credits.)
Grade Level: 10th
Length: One semester - 2nd semester only
Type: PE/Health credit: .5
Prerequisites: None - all 10th graders are required to take this class

This course is designed to give 10th graders information about health and career topics to help students make more informed choices about their own health both physical and mental.

Course Title: PE SECTION BT
Grade Levels: 9-12
Length: One semester - first semester only
Type: PE credit: .5
Prerequisite: None: Activities are geared to beginning levels.

Students will learn basic rules and practice lifetime sports and fitness activities. This course includes: tennis, personal fitness/aerobics & conditioning, pickelball, badminton.

Course Title: PE SECTION BV
Grade Level: 9-12
Length: One semester - 1st or 2nd semester
Type: PE credit: .5
Prerequisite: This is a beginning to low intermediate skill level course.

Students will learn and practice lifetime sports and fitness activities. This course includes: personal fitness, volleyball, self-defense, archery and golf.

Course Title: PE SECTION C - PE CONDITIONING
Grade Level: 9-12
Length: One semester - probably only at 2nd semester
Type: PE credit: .5
Prerequisite: Instructor's permission. Able to obtain bicycle and outdoor footwear. (Proper running shoes & proper clothing) NO! medical problems.

This course is a high level fitness class. We do not take part in team sports! We run, weight train and do plyometrics. Our goal is to run a 10K race and complete a 25 mile bike ride.

Course Title: STRENGTH AND CONDITIONING
Grade Level: 10-12 (9th at second semester with permission of instructor)
Length: One semester
Type: PE credit: .5
Prerequisite: Sophomore or higher standing

This course is designed for the student who desires to develop his/her strength, agility, flexibility, endurance and cardiovascular fitness. Students plan and develop their own program and follow it to attain their goals. The students are required to work on the free weights, plyometrics and cardiovascular fitness.

Course Title: FITNESS 4 LIFE
Grade Levels: 9-12
Length: One semester - 1st or 2nd
Type: PE credit: .5
Prerequisite: Student must have the ability to be self-motivating. This class does not require any sport related skills.

The goal of this class is to increase overall personal fitness. Participants must have a bike and outdoor clothing for cold or wet weather. Activities will include but not limited to: fast walking with a Pedometer, orienteering, biking, strength work, aerobics, fitness balls and plyometrics.

SCIENCE

Course Title: **BIOLOGY**
Grade Levels: 9-12
Length: One year
Type: Science credit: .5 per semester
Prerequisite: None

Description: From basic cell structure to genetics, from photosynthesis to natural history, this broad-scoped course provides knowledge and insight into a wide variety of biological topics. Lab work, written assignments and exams provide opportunities to show understanding.

Course Title: **ADVANCED PLACEMENT BIOLOGY**
Grade Levels: 11-12 (10 with permission of instructor)
Length: One year
Type: Science credit: .5 per semester
Prerequisite: Biology

Description: This is a college level course utilizing advanced biology texts in preparation for taking the AP test. Emphasis will be on vocabulary and major concepts of biology including genetics, cytology, natural history, botany, zoology, and biochemistry. Grades will be based on class activities, labs and tests. Students will be expected to pay for and take the AP test in May.

Note: Class size is limited to fifteen. Preference will be given to seniors and those with high grades in biology. Class depends on funding.

Course Title: **CHEMISTRY**
Grade Levels: 11-12 (10 with permission of instructor)
Length: One year
Type: Science credit: .5 per semester
Prerequisite: Completion of Integrated Math I or Algebra I

Description: Chemistry is the study of how basic elements and compounds interact and how we use this knowledge to improve the quality of life. The course covers basic atomic and molecular structure, properties of matter, chemical interactions, balancing equations, and applications of chemical knowledge into real life problem solving.

Course Title: **ZOOLOGY**
Grade Levels: 10-12
Length: One semester
Type: Science credit: .5
Prerequisite: Biology (need a good understanding of biology to succeed in this class)

Description: This course provides more advanced biological studies of the animal kingdom. Content includes comparative anatomy, behavior science, animal husbandry, wildlife management, natural history, and endangered species. Independent study skills, good reading comprehension and a strong interest in learning about animals are important student attributes.

Course Title: ENVIRONMENTAL SCIENCE
Grade Levels: 11-12 (10th with permission of instructor)
Length: One semester or one year depending on staffing
Type: Science credit: .5 per semester
Prerequisite: None

Description: Three main topics, (earth science, environmental science and current events) are interwoven to provide students with the background information needed to make wise decisions about current environmental problems and issues. Emphasis placed on the natural sciences that contribute to a full understanding of the issues and topics covered. Application of science technique to gather data that allows for scientific analysis is a goal of this course.

Course Title: ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE
Grade Levels: 11-12 (10 with instructor permission)
Length: One year
Type: Science credit: .5 per semester
Prerequisite: Environmental Science or Instructor Approval

Description: This is a college level course utilizing advanced concepts of chemistry, biology and political science. Curriculum explores a wide variety of environmental issues including air quality, water quality, impact of development, population studies, resource management and political decision making processes. Students will be expected to pay for and take the AP test in May.

Course Title: MARINE SCIENCE
Grade Levels: 10-12
Length: One semester or one year depending on staffing
Type: Science credit: .5 per semester
Prerequisite: Biology

Description: Field course in which students will study the ecology and natural history of marine organisms in our local waters. Some dissection will be required. Field trips are a part of this class rain, shine, sleet or hail!! Semester one (fall) focuses on fresh water & its properties & ecology (Limnology), ocean currents, geology of the area, oceanography, marine water chemistry and plankton studies. Semester two focuses on taxonomy of organisms, marine ecology, natural history, reproductive strategies, anatomy and physiology of marine organisms. Semesters may be taken independently but semester two does build from semester one.

Note: Course enrollment is limited to 20. (Based on the number of reasonable lab stations and equipment in science rooms for partner labs with dissection microscopes.)

Course Title: MARINE TECHNOLOGY I and II (CTE or Laboratory Science)
Grade Levels: 10-12
Length: Up to four semesters, which may be taken in any order.
Type: Laboratory Science or CTE credit: .5 per semester
Prerequisite: At least sophomore standing and Grade of C or better in Biology, (or with Instructor permission)

Description: This course provides an opportunity to explore the intersection between the marine environment in which we live and possible careers. This course is taught in a seminar style. The science topics are taken from the field of ecology, with a new topic presented in weekly or bimonthly.

Labs are designed to amplify the understanding of each principle of ecology. Frequent field trips and guest lectures will allow students to meet and sample various jobs, professions and careers that relate to each science topic. Field trips will most often be conducted on island and during the class period (so no other classes will be missed that day).

Note: Class size limited to 20. Preference will be given to seniors.

Course Title: APPLIED PHYSICS
Grade Levels: 10-12
Length: One semester
Type: Science credit: .5 per semester
Prerequisite: None

Description: This class covers many of the subjects in physics but takes them to their practical applications in the world. This is a course that is still being developed. At this time ceramics (glass), metals and wood are emphasized. Cedar splitting, bark rope, willow baskets Raku pottery, glass beads and fusing, bronze and silver (buy your own silver) lost wax casting, soldering, forging and possibly welding and some machining, depending on enrollment. Plan on getting dirty in this class.

Course Title: ADVANCED PLACEMENT PHYSICS
Grade Levels: 11-12
Length: One year
Type: Science credit: .5 per semester
Prerequisite: Physics with B+ or above

Description: This class is a college level physics program. The course includes the study of gravity, mechanics, electricity, light, heat, and hydraulics from the nuclear scale to the galactic scale. Students in this class will be expected to take and pay the cost of the AP Physics test in May. This will be the most difficult class you will take in High School.

Note: This class depends upon enrollment. If interested in taking this class, talk to the instructor, sign up for it, but be prepared to select an alternative.

Course Title: PHYSICS (Not offered in the 2011-2012 school year.)
Grade Levels: 11-12 (10 with permission of instructor)
Length: One year
Type: Science credit: .5 per semester
Prerequisite: Integrated Math 1 with a grade of C or better and completion or concurrent enrollment in Integrated Math 2

Description: Why does a sports car accelerate faster than a fighter jet? What causes the tides? Why do rainbows always come in pairs? Why is math so hard for High School students? If you are curious about the world, then Physics is for you. Topics covered include mechanics, force torque, vectors, gravity, circular motion, light, energy, and electricity. Lab work is an integral part of the course. A final is given. This is a conceptual course, but we will use math all the time. Those wishing to major in Engineering or Physics at the college level should plan to take an AP Physics and/or an Applied Physics course as well.

Course Title: APPLIED PHYSICS - BICYCLE MECHANIX
Grade Levels: 10-12

Length: Semester
Type: Science credit - .5 per semester
Prerequisite: Patience and a good attitude

Description: This will be an introductory course in basic mechanics training. We will use bicycle repair as our vehicle to explore many concepts important to working on machinery. We will begin with tool use and nomenclature and then students will work in small groups to completely disassemble a bicycle, repair and replace parts, build wheels from spokes, hubs and rims, repaint and then rebuild the bicycle from the ground up.

Physics concepts such as friction, torque, inertia, tension, compression and pressure will be covered in a very practical setting as we work on a bicycle. Depending on enrollment we may explore brazing, frame building, and /or constructing kinetic sculptures using concepts learned in the class.

Course Title: **ASTRONOMY**
Grade Levels: 10-12
Length: One semester
Type: Science credit: .5
Prerequisite: Integrated Math I or Algebra I

Description: This class is an introduction to the planets, the stars and the cosmos, including curriculum on our solar system, star physics, telescope use and space exploration.

SOCIAL STUDIES

Course Title: **NORTHWEST HISTORY** (required for graduation)
Grade Level: 9 & 10 (other grade levels with permission from the instructor)
Length: One semester
Type: Social Studies credit: .5
Prerequisite: None

Students will study the geography and history of the Northwest region of the United States. Special emphasis will be put on Washington State. Students will be required to do a research paper as well as other outside readings.

Course Title: **ANCIENT CIVILIZATIONS**
Grade Level: 9-12
Length: One semester
Type: Social Studies credit: .5 per semester
Prerequisite: None

In this class, students will study ancient civilizations that have impacted our world of today. You can expect to be reading and writing and talking about such ancient and diverse cultures as China, Babylon, Greece, and Rome. The timeline begins very, very long ago and will take students up to about the year 500AD.

Course Title: **WESTERN CIVILIZATION** (minimum of .5 credit required for graduation)
Grade Level: 9 & 10 (other grades with permission from the instructor)

Length: One or two semesters (students may take either or both semesters)
Type: Social Studies credit: .5 per semester
Prerequisite: None

Outlining the history of Europe from the Renaissance through the formation of the European Union. Students will use a variety of materials to explore the political, social, artistic, economical and philosophical achievements of Europe and its impact on the world.

Course Title: ADVANCED PLACEMENT EUROPEAN HISTORY
Grade Level: 10-12
Length: One year
Type: Social Studies credit: .5 per semester
Prerequisite: At least one semester of World History or permission of instructor

AP Euro is a rigorous and demanding college level course covering the history of European civilization from the Renaissance to present times. This class is designed for the self-motivated student who is ready for an increased challenge in the high school setting. Students will develop an understanding of principle themes of Modern European history, develop an ability to analyze historical evidence, and develop skills to express historical understanding in writing. This course is designed to help students take the Mid-may AP exam; students will be expected to take and pay for the AP test in May. Be sure to see instructor before the summer to get assignments for summer reading.

Course Title: UNITED STATES HISTORY (required for graduation)
Grade Level: 11 (other grades with permission from the instructor)
Length: One year
Type: Social Studies credit: .5 per semester
Prerequisite: World History

This class studies the history of the United States from 1900 to the present. Students will gain an understanding of the major social movements of the century as well as the role of the United States in world events. Outside reading is required as well as book reports and a research paper.

Course Title: ADVANCED PLACEMENT UNITED STATES HISTORY
Grade Level: 11 & 12
Length: One year
Type: Social Studies credit: .5 per semester.
Prerequisite: One semester of World History; one semester of US History or permission of instructor

The goal of this course is for students to understand the chronology and major events and trends in United States history from colonial times to the present. Students will also gain the ability to analyze historical evidence, and express historical understanding in writing. This is a challenging course and all students who take it are expected to take the AP US History exam in May. Students will be expected to come to class prepared for discussion of the day's topics. Outside reading will be an important part of this class. There will be weekly essays and a summer reading assignment.

Course Title: AP HUMAN GEOGRAPHY
Grade Levels: 9-12
Length: One semester

Type: Social Studies credit: .5
Prerequisites: None

This is a one-semester survey course open to all grades with no prerequisites. In this class we will look at the continents and their major geographical features. We will gain an understanding of how geography affected humanity in the past as well as the present with the hope of understanding our present world better. The emphasis will be on cultural geography rather than physical so we will look at religions around the world, social customs, climate and agriculture, indigenous peoples as well as modern topics. In addition, we will learn how geographers study the world. Interested students would be eligible to take the AP Human Geography test in May and possibly earn some college credits.

Course Title: **ECONOMICS CIVICS/CURRENT ISSUES** (required for graduation)
Grade Level: 12
Length: One semester
Type: Social Studies credit: .5
Prerequisite: World and US History

Focus on Economics and Media Education. Requires active involvement to help students relate various economic concepts to their own lives. Students will explore values as it relates to economic choices. Students will study media ethics, propaganda, censorship, and open/controlled media in order to make informed decisions and to think critically.

Course Title: **GOVERNMENT CIVICS/CURRENT ISSUES** (required for graduation)
Grade Level: 12
Length: One semester
Type: Social Studies credit: .5
Prerequisite: World and US History

This course's focus is on government and law. Students will review the US Constitution and Bill of Rights plus explore recent issues in interpretation. Additionally, students will look at other governments of the world and assess them in relation to the US.

ONLINE LEARNING

Course Title: **VARIABLES WITH THE COURSE**
Grade Level: 9-12
Length: One semester
Type: Varies with the course
Prerequisite: Willingness to commit time and energy to the class. Ability to work independently and to work to a deadline. Interest in learning something new on the computer.

To enroll in these classes, you need to speak with Nancy Wrightsman and then decide if online learning classes are for you. There is a wide choice of classes through the Digital Learning Commons. You can go to the Digital Learning Commons site and check to see what type of class you might want to take.

Note: These classes are limited & fill up quickly & require payment of full cost of class if not completed. You should meet with Nancy Wrightsman to be enrolled before school ends in June.

SUMMARY OF GRADUATION REQUIREMENTS FROM ORCAS ISLAND HIGH SCHOOL

(Number of credits required is noted in parenthesis after each subject.)

Classes taken for one semester (.5) are noted. Others can be or are usually taken for one year. In addition to the classes listed here, independent study classes are also available.

ENGLISH (4)

Writing for High School *
AP English
Writing
Advanced Writing for HS
Film as Literature
American Literature
British Literature **
Literature 1
Literature 2
Mystery Fiction
Science Fiction
Speech and Communication
Bible as Literature

MATHEMATICS (3)

Algebra 1
Geometry
Integrated Math 3
Precalculus/ Integrated 4
Math with Business Applications
AP Calculus
Applied Math 1
Applied Math 2

SCIENCE (3)

Biology
Marine Science
Marine Technology I or II
Astronomy
Environmental Science
Chemistry
Zoology
AP Environmental Science
AP Physics
AP Biology
Physics **
Applied Physics
Solar Boat Project
Applied Physics-Bicycle Mechanix

SOCIAL STUDIES (3)

Western Civilization *
US History *
Consumer Civics *
Government Civics *
Northwest History *
AP European History
AP US History
Human Geography
Ancient Civilizations

PE (2)

PE Section BT
PE Section C
PE Section BV
Fitness for Life
Strength and Conditioning
Health/Career Plan (.5)*

ART (1)

Art
Orchestra
Choir

CAREER & TECH EDU. (1)

Woodworking
Desktop Publishing
Computer Applications
Digital Media
Career Choices
FEAST

ELECTIVES (5)

(Electives credits may also include
classes from other subject categories.)
Student Assistant

FOREIGN LANGUAGE

Spanish 1
Spanish 2
Spanish 3
Spanish 4 (AP Spanish)

TOTAL CREDITS REQUIRED FOR GRADUATION: 22

(One semester of a class equals .5 credit. Two semesters equal 1 credit)

Additional credits are available via correspondence, Internet or individually designed independent study classes.

* Required for graduation.

** Not offered during the 11-12 school year.

CREDIT INFORMATION

Students must successfully complete required courses and accumulate a minimum of 22 credits in order to be eligible for graduation from Orcas Island High School.

REQUIRED CREDITS:

English	4
Social Studies	3
Math	3
Science	3
Physical Education	2
Arts	1
Vocational	1
Electives	5
Total Credits	22

High School Credits

A student who successfully completes a semester's work receives one-half (.5) credit toward graduation. No credit is given if a student:

1. Receives a grade of F in a course.
2. Is removed from/or drops a class after the fourth week of the semester.

Class Changes

Students may come in or call the office to change a schedule at any time before school begins in September. The earlier students make changes the more likely they are to get their request. Classes fill up quickly.

After the semester begins, students have two weeks to change classes as space allows. Remember it is always difficult to miss the first days of any class, so it is best to make changes before school begins. Students may not add classes after the first two weeks.

Students may drop a class any time during the first four weeks of the semester without any penalty. The class will not appear on the student's transcript. After four weeks, students who drop classes will receive a grade of F in the class. Additionally, no money or fees may be refunded after four weeks into the semester.

The principal or counselor may waive the rule of receiving a grade of F, if, in her professional judgment, there are medical reason or other extenuating circumstances and this waiver is in the best interest of the student and the school.

CLASS REQUEST INFORMATION

COMPLETE THE CLASS SELECTION FORM CAREFULLY AND RETURN IT TO THE OFFICE

READ THE DIRECTIONS!
THEN
FOLLOW THE DIRECTIONS!

Directions for registration:

- 1.** Refer to your **five year plan**, talk with your parents and decide which classes you want and need to take.
- 2.** Read the **course guide**. Check **prerequisites** for the classes you select. If it says that you need **permission of instructor, check with the teacher and have him/her sign the class request page**.
- 3.** **List the classes** on the class request form.
- 4.** Write down your **first and second semester choices**. If a class is offered for the whole year, Write the name of the class again. If a class is only offered for one semester, write the name in the semester you prefer to take the class. Don't forget to choose another class for the other semester.
- 5.** **List alternate classes** you would take if your first choice is not available. This is important. **When you register for class on the computer, you will only be able to select classes that you have requested.**
- 6.** Seniors, be sure to indicate which classes you **MUST** have to graduate. Your needs drive the schedule.
- 7.** All students are expected to **register for 6 classes unless they have parent permission to take fewer than 6.**
- 8.** Please understand that if you do not **return the Class Request Form**, you will have no input into the final class schedule and you will be the last in your class to register for classes.

IF YOU NEED HELP,
ASK.
WE WANT YOU TO HAVE THE BEST POSSIBLE SCHEDULE.
THEREFORE WE NEED ALL THE CORRECT INFORMATION.

CLASS ROTATION CHART

To help with multi year planning, here is a list of classes that alternate and the four year pattern:

11-12	Chemistry	American Literature	AP Physics
12-13	Physics	British Literature	AP Chemistry
13-14	Chemistry	American Literature	AP Physics

Note: All AP Classes depend upon enrollment and staffing. They will be offered when there is a teacher available and sufficient budget and student interest in the class.

CLASS REQUEST FORM

COMPLETE THIS FORM CAREFULLY AND RETURN IT TO THE OFFICE
BEFORE FRIDAY, May 6th PLEASE

NAME _____ Grade in '11-'12: _____

1st Semester

The classes that I want to take

Alternate classes

- | | |
|----------|----------|
| 1. _____ | 1. _____ |
| 2. _____ | 2. _____ |
| 3. _____ | 3. _____ |
| 4. _____ | 4. _____ |
| 5. _____ | 5. _____ |
| 6. _____ | 6. _____ |

Signature of teacher(s) (See course descriptions for requirements)

For class: _____ **Signature:** _____

2nd Semester

The classes that I want to take

Alternate classes

- | | |
|----------|----------|
| 1. _____ | 1. _____ |
| 2. _____ | 2. _____ |
| 3. _____ | 3. _____ |
| 4. _____ | 4. _____ |
| 5. _____ | 5. _____ |
| 6. _____ | 6. _____ |

Signature of teacher(s) (See course descriptions for requirements)

For class: _____ **Signature:** _____

FOR ALL STUDENTS:

Parent Signature _____

FOR STUDENTS WHO WANT TO TAKE FEWER THAN SIX CLASSES:

_____ Yes, as the parent of this student, I give permission for him/her to enroll in fewer than six classes.

Parent Signature _____