

Port Townsend High School

Course Descriptions Grades 9-12

2023 - 2024

Course offerings are dependent upon staff availability and projected student enrollment. Classes outlined in this booklet are not guaranteed to be offered every year.

ENGLISH

ENGLISH 9 – English 9 courses build upon students' prior knowledge of grammar, vocabulary, word usage and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking and listening. We read and analyze literature and film from the point-of-view of the writer as well as the reader/audience to determine how the literature affects its readers and in what ways. We will try to determine the qualities of great literature and film. In addition, students will be asked to complete a series of practical writing assignments designed to improve their ability to express themselves in different writing forms. They will keep a reader's journal as well to document personal responses to the literature. Vocabulary study is consistent and always related to the selections we read.

ENGLISH 10 – Oh, the places you'll go! Shakespeare, Golding, Bradbury and Preston! This course has a strong humanities emphasis and encourages students to share their learning and reading experiences (taken from fiction, non-fiction, and plays) through class discussion and journal writing. Because sophomores must pass the state mandated test in reading and writing to graduate, English 10 uses the Six Traits of Writing to help students improve their skills in these two important areas, especially persuasive and expository essay writing. Typically, students read at least six major literary works during the year with additional course emphasis placed on debate and speech.

HONORS ENGLISH 10 - This enriched track is embedded within the English 10 class. Teacher recommendation is required. A student in this track reads four more books than does an English 10 student and undertakes additional writing tasks. Also, involvement in class discussions and activities weighs more heavily while tests and quizzes demand a deeper understanding of the subject. Note: To be accepted into Advanced English 10, a student must be recommended by a freshman English teacher or otherwise demonstrate English proficiency with the instructor.

AMERICAN LITERATURE & COMPOSITION (11 - 12)- While preparing students for lifelong learning beyond high school, this course emphasizes literature analysis as well as analytical and persuasive writing. Assignments include a directed narrative, and persuasive and expository essays on literary and non-literary topics, as well as a research paper. Writing skills that are emphasized include organization, ideas/content, word choice, sentence fluency, voice, and conventions. Art, music, film, current events and research will be integrated to support the reading and writing in the course. The curriculum focuses on American Literature. Seniors will also be supported in writing their project proposal and scholarly paper, along with the final reflection, all of which are required as a part of the Senior Project.

AP ENGLISH LITERATURE AND COMPOSITION (11 - 12) - The overall goal in this course is to help students develop skills in critical analysis of literature in preparation for taking the AP English Literature and Composition Exam. The selections studied include pieces by prominent British and world authors. We will measure literature against the history of philosophy to understand how it fits into its own time as well as in all time. We will try to determine the qualities of great literature. In addition, our literary analysis will look at style, theme, character, structure and a writer's diction, imagery, use of detail, language, syntax and other rhetorical devices. Vocabulary study is consistent and continuous. Writing well about literature is a key component of the class and includes literary analysis, exposition, argument, narrative, the research paper and creative writing. Students will keep a reader's journal as well to document personal responses to the literature.

AP ENGLISH LANGUAGE AND COMPOSITION (11-12) - While preparing students to take the Advanced Placement Test in English Language and Composition, this course provides training in prose analysis as well as analytical and persuasive writing. In addition to practicing essay test-taking techniques, organization and time management, students study the interactions among subjects, authorial purpose, audience needs, generic conventions, and the resources of the English language. Assignments include a directed narrative, analyses of test questions, analyses of rhetorical strategies, and persuasive and expository essays on literary and non-literary topics. Art, music, current events and research will be integrated to support the reading and writing in the course. The literature studied during this course is based primarily upon American literature.

American Literature - American Literature and Composition is an activity-oriented course in which students will participate in varied exercises to increase their analytical and written communication skills. Students will read, discuss, and write about issues, fiction, and drama and will develop problem solving and professional skills necessary for growth in a working and personnel environment. Students will begin with a survey of contemporary Native American writing, studying how the language of the dominant society has been adopted and hybridized into Native contemporary lore. Next, students will engage in a critical Film studies unit, where students will demonstrate active awareness of how film affects them by studying – in addition to theme, content, and character – framing, lighting, editing, and sound. Students, in a sense, will “read” the movies by becoming aware of the specific “language” and “grammar” of the film. Other units and skills for this class will include the role Puritanism has played in American culture and art, literature as it engages democracy, personal writing, college entrance essays, persuasive writing, and making scholarly research writing a habit, not just a once a year unit.

BRIDGE TO COLLEGE ENGLISH LANGUAGE ARTS (11 - 12) -The Bridge to College English language arts (ELA) course focuses on the English language arts key readiness standards from Washington State's K-12 Learning Standards for English language arts (the Common Core State

Standards, CCSS-ELA). The course is designed to prepare students for entrance into post-secondary credit bearing courses. The course addresses lessons in critical reading, academic writing, speaking and listening, research and inquiry, and language use.

WORLD LITERATURE & COMPOSITION (11 - 12) - This year, World Literature and Composition for Juniors and Seniors will include dynamic units surveying World Literature, intellectual and cultural movements, senior projects, persuasion and argumentation, and creative writing; the final 8 weeks of the year will be split into two four week sections: studies of popular music, and a unit on fantasies, fairy tales, and futuristic fiction. There should be something for everyone! We will take time for Senior project guidance and Juniors post-secondary planning; this will include college admission essays, college searches, revisions (or visions) of the project proposal, the Senior scholarly paper, and your final Reflection on your project and personal goals. To support our work we will explore fiction, non-fiction, plays, articles, poetry and essays as a survey of World Literature.

FOREIGN LANGUAGE

SPANISH 1 (9-10) - This is an introduction to the Spanish language and the geography and culture of the Spanish speaking world. The emphasis is on listening comprehension and speaking, but reading and writing are also practiced. Students will learn to engage in common courtesy exchanges, ask and answer simple questions, and communicate about a variety of common school, family and community topics. Through the study of a second language and culture, students will also come to know and understand their own culture and language better.

SPANISH 2 (10-12) - Students continue to work on all aspects of communication in Spanish (listening, reading, speaking and writing). The primary grammar focus is narration in the past. Students also learn more about the geography, history and culture of the Spanish-speaking world. Spanish 1 is a prerequisite.

SPANISH 3, SPANISH 4 (10-12) – These courses review previously learned tenses and students continue to work on proficiency in all aspects of communication. New grammar topics include the future, the conditional and the subjunctive. These courses include more in-depth issues relating to Hispanic culture such as current events, immigration, environmental issues, history, etc. These are often presented through literature, film, and newspapers, and include discussion and writing in Spanish. This class is taught completely in Spanish. Both Spanish 3 and Spanish 4 are considered advanced level classes. Prerequisite is successful completion of Spanish 2.

SCIENCE

CLASS OF 2020 and Beyond - Three credits (3.0) of science are required for graduation.

The science department is working diligently to implement the Washington State Science Learning Standards (WSSLS). The new standards require that we make significant changes to how students learn science concepts by utilizing the science and engineering practices. This means that courses not typically taken by all students in the past, such as Chemistry and Physics, will now be requirements for graduation. Due to this shift, the curriculum and instruction used in these courses will be significantly different from past versions in order to make them accessible to all students. The class of 2019 and beyond are required to take the Washington Comprehensive Assessment of Science (WCAS) in the 11th grade. Please contact one of our science teachers if you have any questions about the science standards or our implementation efforts.

Three credits (3.0) of laboratory science are required for high school graduation:

- Two semesters (1.0 credit) of Biology are required. Students can opt to take two semesters (1.0 credit) of AP Biology in place of Biology.
- Four semesters (2.0 credits) of other sciences are required. Students can select from courses offered in their Sophomore, Junior and Senior year.

In order to prepare students to pass the Washington Comprehensive Assessment of Science (WCAS) in 11th grade, the sequence of two semesters of Chemistry, two semesters of Biology or AP Biology, and two semesters of Physics are encouraged to be completed by the end of 11th grade.

EXAMPLE PATHWAY FOR SCIENCE

Standard Science Pathway (suitable for all post high school options, including four-year college or university)

9th Grade – Biology

10th Grade – Chemistry

11th Grade – Physics, Chemistry, Conceptual Physics, STEM Robotics, Forensics, Anatomy & Physiology

12th Grade – Science Elective(s)

BIOLOGY – 1 CREDIT/YEAR LONG

Requirement Option: 9th-12th grade. Recommended for enrollment at the 9th grade level.

The course has been redesigned to address life science, earth and space science, and the engineering, technologies, and applications of science concepts of the Washington State Science Learning Standards (WSSLS). Generally, students will actively engage in scientific and engineering practices to deepen their understanding of core ideas in cellular and molecular biology, ecosystems, heredity, biological evolution, biogeology, human impacts, engineering design, and links among engineering, technology, science, and society. This course prepares students to pass the Washington Comprehensive Assessment of Science (WCAS) taken at the end of 11th grade.

SCIENCE ELECTIVE COURSES – LISTED ALPHABETICALLY

ADVANCED PLACEMENT (AP) BIOLOGY – 1 CREDIT/ YEAR LONG

Recommended: 10th – 12th grade.

This lab science course allows students to explore to a greater extent many of the topics introduced in Biology. AP Biology is designed to be the equivalent of the general biology course usually taken during the first college year. Students will demonstrate mastery by taking the Advanced Placement Biology Exam offered in May of each year. Most colleges and universities in the U.S. as well as 21 other countries, have an AP policy granting incoming students credit, placement or both on the basis of their AP Exam scores. Many of these institutions grant up to a full year of credit in first year biology based on student performances. Units include, but are not limited to: genetics, with an emphasis in using modern biotechnology research methods including DNA transformation, electrophoresis, and PCR amplification of DNA; microbiology; cytology; and evolution. Content will be obtained through a variety of media including; but not limited to: lecture; lab; interactive computer-based media; videos; and independent study.

At least one hour of daily homework should be expected.

ADVANCED PLACEMENT (AP) ENVIRONMENTAL SCIENCE - 1 CREDIT/YEAR LONG

Recommended: 11th - 12th grade.

This course is equivalent to an introductory college course in environmental science. Students will learn how natural systems function, how human actions have altered these systems, and how we are working to restore them. Prerequisites include Introduction to Chemistry (our freshmen science class) and Biology (our sophomore science class). **Students can expect between one and two hours of homework per week.**

ANATOMY AND PHYSIOLOGY - 1 CREDIT/YEAR LONG

Recommended: 10th - 12th grade.

This course allows students to examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Makiken, use data acquisition software to monitor body functions such as movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This class is recommended for any student who is interested in a career in the healthcare or medical field, or for those who want a hands-on science experience while learning about the human body.

*This course counts for both CTE credit and Science credit.

CHEMISTRY - 1 CREDIT/YEAR LONG

Recommended: 10th - 12th grade.

This algebra-based lab science course is designed to prepare students for further work in science, mathematics, medicine, and engineering at the college level. Major topics include atomic theory, elements and the periodic table, bonding, chemical formulas and equations, gas laws, solutions, rates of reaction, equilibrium, acids and bases, electrochemistry, nuclear chemistry, and organic chemistry.

CONCEPTUAL PHYSICS – 1 CREDIT/YEAR LONG

Requirement option: 10th - 12th grade. Recommended for enrollment at the 11th grade level.

(Students planning to enroll in a four year college/university are encouraged to take Physics instead.) This course has been redesigned to address the study of motion and energy through the applications of science concepts of the Washington State Science Learning Standards (WSSLS). Conceptual Physics prepares students to meet standard on the Washington Comprehensive Assessment of Science (WCAS) at the end of 11th grade.

Both the first and semester courses are project-based, so bring a creative spirit with you to class!

Semester 1 - MOVE! The study of motion and the physics behind it! In this class, students make devices that move, glide, dive, float, and shoot. Study the physics concepts that make them work, using the engineering design process. Students will also learn about careers in the fields of motion.

Semester 2 - ENERGY and SUSTAINABILITY! Students will make devices that produce and use energy through engineering processes. Explore sustainable options for energy production and use, and understand the physics behind these processes. Students will also learn about careers in the field of sustainable energy.

FORENSIC SCIENCE - 1 CREDIT/YEAR LONG

Requirement option: 11th - 12th grade.

Do you like solving mysteries and watching T.V. shows such as C.S.I.? In Forensic Science you'll have the opportunity to learn the science behind real crime scene investigation.

Topics of study include: fingerprints, DNA, blood spatter, toxicology, ballistics and more.

Students in this class will work closely with the Port Townsend Police Department and other regional law enforcement and forensic investigative agencies.

Prerequisite: Due to the graphic nature of some content in this course students must be a junior or senior.

MARINE BIOLOGY - 1 CREDIT/YEAR LONG

Requirement option: 11th - 12th grade.

This full year course is for students who are interested in developing an understanding of the basic concepts of Marine Biology and oceanography. It is intended for juniors and seniors who have successfully passed Chemistry and Biology. In this course, you will get to know the ocean world---its origins, structure, chemistry, circulation, and movement (waves and tides). You will explore the various communities that exist in this massive ecosystem. This course includes a survey of marine organisms from microbes to mammals and emphasizes ecology, evolution, anatomy, reproduction, behavior, and physiology of marine organisms, and reviews marine ecosystems from intertidal to deep sea. Laboratory work includes dissection.

Prerequisite: Students must be a junior or senior.

***MARITIME ROBOTICS/ CAD DESIGN AND FABRICATION (9-12) –** This course focuses on learning and using RhinoCAD, RhinoCAM and G-code to design and manufacture projects that focus on a maritime theme. Students will be able to program machines (laser cutter, 3-D printers, 3-axis milling machines, and 3-axis router) to produce 2-D and 3-D projects. Major projects may differ from year to year and may involve programming and electronics. (\$20 yearly fee).

*This course counts for both CTE credit and Science credit.

PHYSICS – 1 CREDIT/YEAR LONG

Requirement option: 11th - 12th grade.

This course has been redesigned to address physical science, earth and space science, and the engineering, technologies, and applications of science concepts of the Washington State Science Learning Standards (WSSLS). Generally, students will actively engage in science and engineering

practices to deepen understanding of core ideas related to motion, forces, Newton's laws, energy, momentum, waves and their applications, plate tectonics, engineering design, and links among engineering, technology, science, and society. Instruction will be delivered through a mix of lecture, small group tutorials, labs, discussion and problem sets. Students will gain a conceptual understanding of the principles of physics as well as deeper skills in solving problems. This course prepares students to pass the Washington Comprehensive Assessment of Science (WCAS) at the end of 11th grade. **Successful completion of Algebra 2 is suggested.**

MATHEMATICS

ALGEBRA 1 (9 - 12) - This course extends algebraic thinking, focusing on linear, quadratic, and exponential functions and the eight Mathematical Standards as described in the Common Core State Standards.

Beginning with the class of 2019, all Washington State students are required to pass the Smarter Balanced Assessment (SBA) as juniors. Meeting standard on the SBA is part of meeting the PTHS and state high school graduation requirements. Algebra 1 will prepare students for successful completion of this assessment. In addition, Algebra 1 fulfills district and state diploma requirements and the first year university math admissions requirement.

BRIDGE-TO-COLLEGE MATH (11-12) The Bridge-to-College course focuses on the key readiness standards from the Common Core as well as the eight Standards of Mathematical Practices needed for students to be ready to undertake postsecondary academic or career preparation in non-STEM fields or majors. Topics include linear, quadratic, and exponential functions, systems of linear equations, measurement, proportional reasoning, and statistics. This course supports students in scoring a Level 2 on the spring Smarter Balanced high school (11th grade) assessment.

Beginning with the class of 2019, all Washington State students are required to pass the Smarter Balanced Assessment (SBA) as juniors. Meeting standard on the SBA is part of meeting the PTHS and state high school graduation requirements. Bridges to College will prepare students for successful completion of this assessment. Bridge to College also meets the district and state year 3 alternative to Algebra 2 (with parent waiver).

GEOMETRY (9 - 12) - This course extends geometric thinking, focusing on transformations, proof, properties of two and three-dimensional figures, making connections between algebraic and spatial representations, and trigonometry. Students continue to develop the eight Mathematical Practices as described in the Common Core State Standards.

Beginning with the class of 2019, all Washington State students are required to pass the Smarter Balanced Assessment (SBA) as juniors. Meeting standard on the SBA is part of meeting the PTHS and state high school graduation requirements. Geometry will prepare students for successful completion of

this assessment. In addition, Geometry fulfills district and state diploma requirements and the second year university math admissions requirement.

ALGEBRA 2 (10 - 12) - This course extends algebraic thinking, focusing on quadratic, polynomial, radical, rational, logarithmic and exponential functions, probability, matrices, statistics, and sequences. Students continue to develop the eight Mathematical Practices as described in the Common Core State Standards. Beginning with the class of 2019, all Washington State students are required to pass the Smarter Balanced Assessment (SBA) as juniors. Meeting standard on the SBA is part of meeting the PTHS and state high school graduation requirements. Algebra 2 will prepare students for successful completion of this assessment. In addition, Algebra 2 fulfills district and state diploma requirements and the third year university math admissions requirement.

MODELING OUR WORLD WITH MATHEMATICS (11 - 12) This course will focus on math applications intended to support student interests and career connections. The course will contain five thematic units where students use high school mathematics to analyze everyday life experiences and support informed life choices. Units include material regarding finances, civic readiness, health & fitness, the digital world, and music & art. The course is intended as a third credit math option for students not wishing to take Algebra II but have completed Algebra and Geometry.

PRECALCULUS (11 - 12) Prerequisite: Successful completion of Algebra II Trig. Precalculus is designed to prepare students for the study of Calculus. Elementary functions including polynomial, exponential, logarithmic, and trigonometric are studied. Homework, problem solving, quizzes and tests are part of the class. Students wishing to take this class must demonstrate excellent self-motivation and an effective ability to work independently. Graphing calculators will be used extensively as tools and it is recommended that students purchase an approved calculator. At times, students are expected to learn selected material without the aid of a calculator.

AP CALCULUS AB (11 - 12) Prerequisite: Successful completion of Algebra II and Precalculus. Advanced Placement Calculus is a class designed to introduce students to differential and integral calculus. Topics include trigonometric and exponential functions, limits, the derivative and its applications, antiderivatives, and the integral and its applications. Homework, problem solving, quizzes, and tests are part of the class. Students wishing to take this class must demonstrate excellent self-motivation and an effective ability to work independently. Graphing calculators will be used extensively, and it is recommended that students purchase an approved calculator. Students are also expected to learn selected material without the aid of a calculator. This class will prepare students for the Advanced Placement Calculus test in May.

AP STATISTICS (11 - 12) - This is a yearlong course that introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. The course content will prepare students for understanding and interpreting statistical information found in media as well as offer a strong foundation for students who will be pursuing careers in both the hard sciences and the social sciences. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation

4. Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course.

Prerequisites: Successful year of Algebra 2, or Geometry with teacher permission.

SOCIAL STUDIES

WORLD HISTORY (10-12) In this year-long required course, we study the story of the human community from its beginnings to the modern world. Our purpose is three-fold:

- to track the broad outlines of the human story as it developed across the globe over the millennia.
- to examine in depth key civilizations and/or turning points, asking the questions, Who are these people? What's going on here? What difference did it make to those who came after—and to me?
- to build good learning habits, and develop critical thinking & communication skills: reading, listening, learning, analyzing, researching, writing, presenting.

HONORS WORLD HISTORY – (10 – 12) Honors Program for interested students is embedded in the World History class.

U.S. HISTORY (11) - U.S. Studies examines the modern American experience (20th and 21st centuries), with the understanding that the present always has its roots in the past. This is a student-centered class, and together students will question assumptions and consider issues deeply. Students will utilize a variety of primary and secondary sources to deepen their understanding of U.S. history and make connections between the past and the present. Students will demonstrate their learning in a variety of ways, with an emphasis on project-based learning and real world connections.

AP U.S. HISTORY (11) - This class is a year-long, college course designed to give students a comprehensive understanding of U.S. History, starting with the initial contact (and collision) between different cultures and continuing up until the present. While the curriculum demands students cover a great deal of material, we'll also slow down and look at several historical topics in greater depth. Since AP U.S. History is equivalent to a college course, the workload is accordingly demanding. In addition to textbook reading, students will utilize a variety of other primary and secondary sources throughout the year to enhance their understanding of U.S. History. Students will be expected to complete all reading, participate in class discussions and activities, and write regular essay responses in order to gain the knowledge and skills necessary to pass the AP exam.

Students enrolled in this class are expected to take the Advanced Placement examination in May. College credits may be granted based upon individual performance on this test and the policy of the college the student attends.

CONTEMPORARY WORLD PROBLEMS (12) - Contemporary World Problems asks students to think critically about a number of issues facing our world today. The curriculum is ever changing and can shift with the morning's headlines. They learn about, reflect on, and engage with the world around them, since each of them will soon become an independent (no parents or teachers telling you what to do or think) global citizen.

Also students will be asked to challenge everything you read, write or encounter in this class. Part of figuring out what is going on in the world is learning to see through the story to the author, classmate, or even teacher's agenda. Everyone, even the most professional journalists, write or tell stories for a reason, figuring out what points-of-view and values are hidden within the world events we are faced with will be crucial.

Ultimately, students will be pushed to hone the critical thinking and communication skills they need to take their important place in the community of voices that helps shape global action and lead our world forward.

CONTEMPORARY WORLD PROBLEMS HONORS (12) - The Honors version of this class will function as an embedded seminar within normal sections of CWP.

HEALTH

HEALTH (9) one semester – This class is designed to give students the tools to evaluate their own role in maintaining a healthy lifestyle in regards to nutrition and exercise. Students are given the opportunity to go to numerous local businesses and farms/gardens in the fall as well as participate in hands-on experiences and guest speakers in the classroom. Students also explore the topics of mental and emotional health including diseases and disorders, consumer and environmental health and maintaining healthy relationships. During our human growth and development unit, students participate in the Real Care Baby program.

CAREER EDUCATION / LIFE SKILLS

CAREER EDUCATION/LIFE SKILLS (9) one semester – This class encourages students to plan for their future goals and life after high school by designing an extensive career portfolio. Students have the opportunity to research training/college after graduation as well as career possibilities. Students also create their own resume, complete job applications and strengthen basic living skills such as cooking, personal finance, and learning to sew. Activities include at home cooking and laundry projects and in class PowerPoint presentations.

CULINARY ARTS

CULINARY ARTS (10-12) - This class is designed to teach students about the basic skills of cooking and baking. Students will learn safe food-handling skills, sanitation, and procedures as well as participate in kitchen lab activities. Students will spend a majority of the year in a hands-on learning environment where they can develop industry-based standard skills in all aspects of cooking. Students will learn job readiness habits/attitudes and will participate in numerous opportunities to demonstrate and present their work to other students and the community.

A prerequisite application is required. **See Mrs. Kruse for the required application and permission for enrollment.** (\$50 yearly fee)

ADVANCED CULINARY ARTS (11-12) - Students will have the opportunity to combine their culinary skills into the hospitality industry in this independent and fast-paced curriculum which will be embedded in the Culinary Arts class. Students will be in charge of managing and operating our schools ASB Culinary Club and will regularly be producing food for a broader audience. Students will learn through hands-on projects how to function effectively in various positions throughout the hospitality industry which will include both culinary and catering skills. Course content will include guest speakers by professionals in the community, field trips, and real-world catering and business experience.

A prerequisite application is required. **See Mrs. Kruse for the required application and permission for enrollment.** (\$50 yearly fee)

PERFORMING ARTS

ORCHESTRA (9-12) – The high school orchestra builds instrumental playing technique and explores varied repertoire for string and symphonic orchestra. The students have opportunities for chamber music and solo performance. The annual music department retreat focuses and invigorates the group. Previous orchestra experience is necessary.

BAND (9-12) – Students in high school band work to improve musical skills that are applied to performance in concert band, marching band and pep band. Students may also have opportunities to perform as soloists and in small ensembles as well as with the symphony orchestra. Previous band experience is necessary.

****FINE ARTS****

FINE ARTS

ART - (9-12) - A yearlong STUDIO course designed to offer strong foundational skills and knowledge in the “language of art” through experience with different media. Students work to develop personal style in a safe and supportive environment. Participation and effort are mandatory for each student.

First Semester: Emphasis on textile project with artist in residence, Margie McDonald, followed by units in drawing techniques, value studies, observational skills, life-drawing, still life, and studio maintenance. Graphite, pen/ink, pastels, and charcoal are explored as well as collage and mixed medium. Sketchbooks are optional. Student work is displayed in a “public” setting whenever appropriate. The Olympic Educational Service District High School Art Show, and The Duck Stamp Contest are two are shows students can enter.

Second Semester: Emphasis on painting and color theory in various mediums: acrylic, watercolor, oils. A ceramics unit covers hand building techniques and potter’s wheel, use of the kiln, glazing methods, and glass slumping and molding. Students submit work to The Leader Project, Art Wave, and Culture Night. Advanced, independent student contracts are available to second year, qualifying students. The Wearable Art Show is an opportunity for textile arts to be presented and to compete for awards in May.

MEDIA STUDIES

INTRO TO PHOTOGRAPHY (9-12 or permission of instructor) 1 Year - Basic course in Photography including history, composition, camera operation, image processing, print finishing, digital print manipulation, silver-based imaging, Adobe Photoshop technique and print analysis. Ideally, students should have their own adjustable digital camera. However, there will be a limited number of school cameras available for overnight or weekend checkout. Fulfills Occupational Education Requirement. **Tech Prep College Credit Available.**

INTRO TO VIDEO PRODUCTIONS (9-12) 1 Year - Basic course in video production and filmmaking techniques including: script writing, pre-production planning, lighting, camera operation, editing, & audio for video. Students will create videos in a variety of genres, produce in-house productions for the High School, as well as broadcast school & community events. Significant time is also devoted to film study in various genres. Fulfills Occupational Education Requirement. **Tech Prep College Credit Available.**

ADVANCED MEDIA (10-12) 1 Year - Designed for the student who is considering a media related career post high school. Incorporates State Frameworks for Cinema & Film and/or Commercial Photography. Emphasis is on developing a professional portfolio in the students chosen field; video, photography, electronic imaging or computer animation. Additionally, the course will cover elements of media history and critical analysis of contemporary forms, business applications and media law and

ethics. Requires previous completion of a Graphic Arts course or instructor approval. Fulfills Occupational Education Requirement. **Tech Prep College Credit Available.**

WEB DESIGN (9 – 12) 1 Year - Concept, planning and implementation of websites, with an emphasis on high quality, effective design and on understanding the Internet as a business and cultural environment. Students will analyze web trends, work with HTML, XHTML, using text editors, and Adobe Dreamweaver®. Students will explore basic CSS techniques as well as more traditional web design tools. They will also use Adobe Photoshop and iMovie to prepare media content for the web and utilize those elements on websites they create. Tech Prep College Credit Available. **This is a college-level class, articulated through Peninsula College Tech Prep. It is strongly recommended that students have a strong interest in graphic design and enjoy troubleshooting, math and logic problems.**

YEARBOOK (9-12) - Offers the student a hands-on experience in book and glossy magazine design and production. Students enrolled in Book Publications comprise the production staff of the high school yearbook. Students learn basic techniques of page layout, copywriting, editing, proofreading, photo selection, and computer word processing and desktop publishing programs with additional experience in sales and print advertising. Students with special interest and experience may concentrate in the areas of photography, business management or computer graphics. Advanced students are expected to assume leadership and supervision roles in editing and design.

PHYSICAL EDUCATION

PHYSICAL EDUCATION (9-12) - Students will perform a daily stretching routine, and will be involved in weekly cross training that focuses on life-long patterns of health and activity. Students will participate in cardio and weight training in addition to specific sports and activities. Students are required to dress down daily and participate to accommodate course requirements.

WEIGHT TRAINING (9-12) – Students learn health and fitness standards through daily participation in the high school weight room.

STEM

CAD DESIGN AND COMPUTER INTEGRATED MANUFACTURING. (9-12) - Do you have a desire to design and make things and explore the future of automated manufacturing? This course applies principles of CAD design and drawing for production. You will use computer solid modeling skills to generate project designs which are then fed into machines such as laser cutters, 3D printers, and 3-Axis milling machines that will manufacture those project designs for you. You will also learn principles of engineering, drafting, sustainable design, and hand and power tool skills relative to manufacturing. Requirements include the ability to work at your own pace, be a self-learner, a desire to create and make things, and the ability to pay attention to detail when working with very expensive machines. A must for

students interested in pursuing careers in any form of design, architecture, manufacturing, engineering, machining, or any field that requires the use of CAD. Open to all grade levels.

MARITIME STUDIES

ROBOTICS IN MANUFACTURING AND FABRICATION (9-12) – A robot is a device that automatically performs complicated, often repetitive tasks (as in an industrial assembly line). Today, robots are a major force in nearly every industry you can think of; from boats and automobiles to jewelry and toys. With the addition of milling machines and metal fabrication tools, this class can help you explore the growing use of robots in manufacturing. The backbone of the class is a mastery of CAD software. You will use this tool to generate project designs which are then fed into a machine that will manufacture those project designs for you. You will also learn hand tools relative to fabrication as well as simple drag-and-drop programming to move robots. Requirements include the ability to work at your own pace, be a self-learner, a desire to create and make things, and the ability to pay attention to detail when working with very expensive machines. You do not have to be good at robotics – just a desire to explore the future of manufacturing and fabrication. Open to all grade levels. (\$20 yearly fee)

MARITIME WOODWORKING (9-12) - Learn beginning and fine woodworking skills. Start by building stools from a Douglas Fir log and then progress to joinery and fine woodworking projects. Learn how to use both hand tools and some power tools. Learn to varnish and paint in conjunction with Schooner Adventuress and their winter maintenance projects. This is a great class for aspiring woodworkers and artists. This class has the option of an overnight sail on Adventuress. (\$20 yearly fee)

MARITIME STUDIES (9 - 12) - Maritime Studies is an overview class that includes both Vessel Operations and Boatbuilding. Semester One will focus on safely operating boats combining hands-on learning to tie knots, drive boats at the NW Maritime, earn first aid and CPR certification, and your WA State Boaters Card. Semester Two will focus on woodworking and building skin on frame boats/stand up paddle boards. No prior experience in boats or building is necessary for this course. This is a great course to explore the world of boats or to expand your knowledge. This class has the option of an overnight sail on Adventuress.(\$20 yearly fee).

PORT TOWNSEND MARITIME ACADEMY - Maritime Operations (11-12) - This is a satellite skills center program run in partnership with West Sound Tech, NW Maritime Center, and the Schooner Adventuress. Class will be held every morning (Monday - Friday) at the NW Maritime Center. Credits in English Language Arts, PE, and Career Technical Education and Elective Credit (3 total) will be earned in hands on Maritime Operations. Earn Coast Guard Credentials designed to help you enter a maritime career, spend one day a week interning in a local maritime business, earn wilderness advanced first aid, US Keelboat Sailing Certification, study maritime law enforcement, read maritime literature, study incident reports, train to pass the USCG physical entrance exams, and much more! Be prepared to be

outside, study hard, learn lots, and be on and in the water. Must like boats and the outdoors. This class will participate in overnight boating voyages.

ADDITIONAL ELECTIVES

WORK-BASED LEARNING/COOPERATIVE EDUCATION Semester/Year - Prerequisite: Students must have successfully completed or be currently enrolled in a Career & Technical Education (CTE) class and have achieved job entry-level skills as attested by the CTE instructor's signature. Career & Technical Education courses are offered in the areas of Business and Marketing Education, Family and Consumer Sciences, and Trade and Technical courses. Student employment must conform to the Fair Labor Practice laws. The program coordinator will determine if a student is qualified to participate in the Cooperative Education program.

Credits: A student must complete 180 hours of successful work experience for each 0.5 credit of Cooperative Education. School credit can be earned for work experience outside of the school day. Students requesting release time from the normal school day to participate in the Cooperative Education program must obtain approval from the school's principal. A maximum of 4 credits from Cooperative Education may be applied toward the credits needed for graduation.

Repeat: This course is **repeatable** for additional credit. Multiple sections of Cooperative Education can be taken concurrently if the program coordinator has determined that the work hour requirement for each section can be fulfilled.

Cooperative Education connects the knowledge and skills obtained in the classroom to those needed outside of the classroom. Cooperative Education is a training program that allows students to receive school credit for paid work experience that relates to a Career & Technical Education class that they are currently taking or have successfully completed. A written training agreement and learning plan is required. The Cooperative Education program coordinator, course instructor, and employer will define the sequence of instruction. A student may receive a "NC" mark if the work hour requirement for a grading period is not met through no fault of their own with the instructor's approval.

ASB LEADERSHIP CLASS (9-12) Students elected to either an ASB or class officer position will be assigned to the zero period, Tuesday morning Leadership class. Class will begin at 7:00 a.m. and end prior to the start of the regular school day. In addition to studying leadership concepts and principles, students will conduct formal ASB Student Council meetings, discuss club fundraiser requests, plan for upcoming ASB/class-sponsored activities, and, upon occasion, attend workshops/meetings to facilitate interaction between other ASB Student Councils. Failure to attend the class will constitute grounds for dismissal from office. **LEADERSHIP IS NOT AVAILABLE FOR PRE REGISTRATION.**