

Lopez Island Secondary Curriculum Guide



2021-22

Rotations

Lopez Island School provides courses on a rotation, allowing for more choices of classes. These rotations are based on current staff capacity and may be subject to change.. Be sure to look beyond this year and next to plan for courses that may match your interests or your post-secondary aspirations.

	20-21	21-22	22-23	23-24
English	<ul style="list-style-type: none"> ● AP Lang & Comp ● Cornerstones of Thought 	<ul style="list-style-type: none"> ● AP Lit & Comp ● Creative Writing & Film and Literature 	<ul style="list-style-type: none"> ● AP Lang & Comp ● Cornerstones & Shakespeare 	<ul style="list-style-type: none"> ● AP Lit & Comp ● Creative Writing & Sources of West. Lit.
World Languages	<ul style="list-style-type: none"> ● French 2 & 4 ● Spanish 1 & 3 	<ul style="list-style-type: none"> ● French 1 & 3 ● Spanish 2 & 4 	<ul style="list-style-type: none"> ● French 2 & 4 ● Spanish 1 & 3 	<ul style="list-style-type: none"> ● French 1 & 3 ● Spanish 2 & 4
Science	<ul style="list-style-type: none"> ● Chemistry ● Environ. Sci ● MS: Physical Sci 	<ul style="list-style-type: none"> ● Physics ● Marine Biology ● MS: Life Science 	<ul style="list-style-type: none"> ● Chemistry ● Environ. Sci ● MS: Earth & Space 	<ul style="list-style-type: none"> ● Physics ● Marine Biology ● MS: Physical Science

Advanced Placement

The district currently offers the following courses that are designated Advanced Placement (AP): AP Language & Composition, AP Literature & Composition, AP Studio Art. These courses prepare students for the rigors of college level instruction; numerous colleges and universities offer college credit, advanced placement, or both, for qualifying AP Exam scores.

LISD is also contracting with Edgenuity to offer a variety of on-line advanced placement courses for high school students who learn well in that context and meet the prerequisites. Each Edgenuity course is self-paced, comes with a certified teacher, and on-demand tutoring. A student taking one of these courses would do so in lieu of a course in our schedule. Instead of going into an LISD classroom for that period, the student would go to another quiet supervised space at school to engage in on-line learning. Our school counselor, Jeanna Carter (jcarter@lopezislanschool.org), can help students determine if an Edgenuity course is the right choice and support students in the registration process.

- **AP Biology (if you have taken biology)**
- **AP Calculus AB (if you have taken pre-calc)**
- **AP Environmental Science (if you have taken environmental science)**
- **AP French Language & Culture (if you have taken three years of French)**

- AP Human Geography
- AP Psychology
- AP Spanish Language & Culture (if you have taken three years of Spanish)
- AP Statistics (if you have taken Algebra II)
- AP U.S. Government & Politics
- AP U.S. History (if you have taken U.S. History)
- AP World History: Modern

Honors

Students in grades 9-12 who wish to add a designation of Honors to their course will need to meet with their teacher two weeks into the semester to design a personalized Honors program for that course. This designation will be reflected on their transcript, when the teacher informs the secondary office that the components are fulfilled.

English

The English Department at Lopez Island School uses Six-Trait writing as the foundation for all its courses: Ideas & Content, Organization, Voice, Word Choice, Sentence Fluency and Conventions are the “traits” that are taught at all levels and used to establish benchmarks for writing assessment. Together with Presentation (Six-Traits + 1), these traits are used in grading all writing assignments. They also form the basis of discussion for reading assignments: by reading not just for content but for analysis, students study the Six-Traits in context. They learn by example from the texts they read. Finally, in both reading and writing, curriculum at all levels is guided by the Common Core State Standards (CCSS), which outline goals and levels for students throughout their middle and high school careers.

Middle School English

Language Arts 6, 7, and 8

These courses will build a student’s ability to read for comprehension in different formats, write for a variety of audiences and build skills around English grammar. Students will also read and discuss a multitude of texts to thoroughly dive into character analysis and apply it to their own lives.

High School English

Language and Literature (English 9)

1.0 Credit

This course is a requirement for ninth grade students; successful completion of Middle School Literacy is strongly recommended. Students will analyze texts, think critically, participate in class discussions, and support statements with facts. Students will also present their thoughts in writing, improve their handwriting, learn to speak competently in public, review basic spelling and grammar

rules, and prepare for the state-mandated Smarter Balanced tests, which students must pass to graduate. Most assessments will follow the Six-Traits Plus One rubrics that our school has adopted.

English 10

1.0 Credit

This course is a requirement for all tenth graders and a prerequisite for several English electives. It is broken into one semester of Nonfiction and another of Literature in History. The first semester builds a foundation of knowledge by surveying each of the major modes of writing. Students read, analyze and produce work within each of the modes. They come to fully understand and articulate what makes literature so unique, from literary devices to Aristotle's rhetorical appeals. The semester also includes independent reading assignments; a major research project; many small, creative assignments; vocabulary; close-up grammar study; and a song about prepositions. The second semester delves into several pillars of historical literature and the context surrounding their production. Students will produce a multitude of creative writing exercises including style, imitations, film analysis, and response essays.

Cornerstones

.5 Credit

This course is an elective English course aimed mostly at eleventh and twelfth grade students; successful completion of tenth grade English is recommended. Students will be introduced to some basic philosophical concepts through the writings of various authors. Students will complete reading assignments on a daily basis and share insights with their peers. An individual presentation will be created and students will occasionally respond to new material through timed essays.

Shakespeare

.5 Credit

This course is an elective English course aimed at eleventh and twelfth grade students; successful completion of the tenth grade English course is recommended. During this semester, students will explore Shakespeare's plays and sonnets. Before most classes, students will need to read and analyze texts in order to participate in class discussions. Students will also present their thoughts in a graded reading and discussion journal that can be used for timed essays, which will be evaluated through the Six-Traits rubrics that the school has adopted. Two group presentations on plays students select will be assigned. As a final project, students will present a Shakespeare play of their choice as if they were a producer and director; students will be responsible for planning all aspects of a production.

Creative Writing

.5 Credit

This course is an elective English course aimed at eleventh and twelfth grade students; successful completion of the tenth grade English course is recommended. During this semester, students will learn to enrich all the writing they do and may wish to approach. Students will complete writing assignments and edit the work of their peers on a daily basis. Students will complete a text as a group and publish it online. As a final project, students will present a body of work composed of

four personal pieces completed in this class; students will reflect on those pieces in one of the final assignments. Most assessments will follow the Six-Traits Plus One rubrics that the school has adopted.

Film and Literature

.5 Credit

This course is an elective English course aimed at eleventh and twelfth grade students; successful completion of tenth grade English and Creative Writing is recommended. During this semester, students will learn to understand the relationship between movies and literature. To meet this goal, students will analyze texts and movies, participate in class discussions, support their statements with facts, and present their thoughts in writing; a journal may be a component of this course. Students will complete individual and group projects; for example, as an individual, one will present a body of work related to a specific director, and as a member of a self-selected group, students will create a video advertisement and, as a culminating project, a movie package that includes a trailer, a poster, and other essential items.

Sources of Western Literature

.5 Credit

This course is an elective English course aimed mostly at eleventh and twelfth grade students; successful completion of tenth grade English is recommended. During this semester, students will explore important philosophical and religious sources of western literature. Students will complete reading assignments on a daily basis and share insights with their peers. Students may complete individual or group presentations and will occasionally respond to new material through timed essays. Most assessments will follow the Six-Traits Plus One rubrics that our school has adopted.

AP Language & Composition

1.0 Credit

This is an elective English course for eleventh and twelfth grade students; successful completion of tenth grade English is required. During this year-long course, students read and analyze essays, poetry, novels, and plays. They write for a variety of purposes with an emphasis on rhetorical analysis, argument and “synthesis.” They may also be given assignments to reinforce their oral presentations skills. They learn the vocabulary of literary and rhetorical terms via quarterly Glossary assignments, and review in-text citations and Works Cited requirements and formatting, via in-class resources and/or the Purdue Owl website. In-class timed essays and multiple choice quizzes simulate the experience of taking the AP Language & Composition exam, which emphasizes students’ ability to understand how writers use rhetorical devices to achieve a particular effect, how effective arguments are constructed, and how to effectively synthesize a number of independent sources to support a position statement.

AP Literature & Composition

1.0 Credit

This is an elective English course for eleventh and twelfth grade students; successful completion of tenth grade English is required. During this year-long course, students read and analyze poetry,

novels, and plays. They write primarily for the purpose of literary analysis, using the relevant glossary terms commonly used for such analysis. Students learn the vocabulary of literary terms via in-class examples and quarterly Glossary assignments, and may review in-text citations and Works Cited requirements and formatting, via in-class resources and/or the Purdue Owl website. They may also be given assignments to reinforce their oral presentations skills. In-class timed essays and multiple choice quizzes simulate the experience of taking the AP English Literature & Composition exam, which emphasizes students' ability to understand how writers use literary devices to achieve a particular effect. In-class timed essays are evaluated according to the 9 point AP rubric.

Fine Arts

Orchestra

.5 Credit

6-12

Orchestra is an ensemble class for students to learn and perform music on the Bass, Cello, Viola and Violin. The ensemble is available to 5th through 12th graders. Instruments can be rented, borrowed from the library or school (based on need), or purchased (see Mr. Platter for more information about accessing instruments). Class will meet during "Zero Period" (7:30-8:25am) 2-3 times per week for the year.

Music

.5 Credit

6-12

Music is an opportunity for students to learn and perform vocal music together, as well as learn some foundational music theory and keyboarding skills. Students will also be given opportunities to compose music with computer software. The class will culminate with a concert showcasing the student work from the semester, and graded on attendance and participation.

Musical Theater

.5 Credit

6-12

Students write and improvise their own theatrical material under the guidance of a teaching team, in order to create an original play using selected music and themes. Students combine techniques of acting, singing, instrumental music and sometimes dance, to create their own musical play. A performance of the students' work is given to the public in May.

Students learn other aspects of musical theatre that are useful in everyday life; for example, diction, voice projection, and self-confidence in front of an audience. Students may also be involved in technical aspects of production including stage design, costuming and lighting.

Drama

.5 Credit

6-12

A Theater-Acting/Performance course that provides students with experience and skills development in one or more aspects of theatrical production, with focus on acting and performance skills. Typically this is a mixed introductory and advanced course, exploring fundamentals while allowing experienced students to extend and refine technique. Exposure to different types of theatrical craft and traditions may be part of class curriculum as time and number of students allows. At its most basic, this course enhances and increases students' oral presentation skills and self confidence in front of an audience, whether in the classroom, for their final Senior Presentations, or for participation in public theatrical and/or musical productions.

MS Art

.5 for a Semester , 1.0 for a Year

In this class we will learn about different arts from drawing, painting, printmaking and ceramics and sculpture. Throughout the semester we will explore different techniques, tools and methods for making art and learn about different artists in history. You will have projects due throughout the semester and a sketchbook with daily assignments due every day.

HS Art

.5 for a Semester , 1.0 for a Year

In this art class we will explore and learn different art mediums. We will begin with a self portrait collage moving on to charcoal still life, watercolor landscapes, and monumental paintings. Then we will do cardboard relief, a monochromatic painting project, and glass mosaics. Projects may be individualized building upon prior knowledge and skill level. You will have projects due throughout the semester. Art is a time to be inspired, encouraged and rejuvenated.

AP Studio Art

1.0 Credit

Two years of high school art and on a case by case basis. Students must be self-disciplined and motivated to produce college level art work and pass the college level portfolio exam. The AP Studio Art Portfolio is for art students who are serious about their visual arts and developing their ability to communicate their ideas, thoughts, and feelings in visual form. This course is not based on a written exam; instead, students submit a portfolio at the end of the academic year to attempt to earn college credit. This course is designed as a year long course.

World Languages

By using the system of rotations, students can graduate from Lopez with six years of world language. Students can also choose to participate in an international trip that is tied to one of the languages. This exposure gives glimpses into cultures around the world and provides opportunities

for student travel. Students may start to take a foreign language in the seventh grade or in the sixth grade with teacher permission. Students will need to be aware that certain trips have a requirement of foreign language.

French 1

1.0 Credit

This course is an elective world language course, and is open to most students. Students will learn to speak, understand, read, and write emergent French; students will also acquire cultural insights into the francophone world. High school students may be invited to participate in potential trips to Québec, France, or other francophone areas. Middle school students have the first four weeks to evaluate their performance and decide if they wish to pursue this course and earn a high school credit.

French 2

1.0 Credit

This course is an elective world language course, and is open to students who have successfully completed French I. Students will continue to learn to speak, understand, read, and write French at a level allowing basic communication with a cooperative native French speaker; students will also acquire more cultural insights into the francophone world. High school students may be invited to participate in potential trips to Québec, France, or other francophone areas.

French 3

1.0 Credit

This course is an elective world language course; it is open to students who have successfully completed French 2. Students will continue to learn to speak and listen well enough to competently discuss needs and interests with most francophone speakers. They will write and read French texts at a basic literacy level for a resident of a francophone country. They will also approach more cultural elements of the francophone world, through music, games, media, literature, and other facets of daily life. High school students may be invited to participate in potential trips to Québec, France, or other francophone areas.

French 4

1.0 Credit

This course is an elective world language course; it is open to students who have successfully completed French 3. Students will continue to learn to speak and listen well enough to competently discuss needs and interests with fluent francophone speakers. Students will be taught to write and read common French texts at a basic literacy level for a resident of a francophone country. Students will also approach more cultural elements of the francophone world, through music, games, media, literature, and other facets of daily life. High school students may be invited to participate in potential trips to Québec, France, or other francophone areas.

French 5 & Higher

1.0 Credit

This course is an elective world language course; it is open to students who have successfully completed French 4. Following an individual conference with the teacher, students will jointly design a personalized course of study that will allow them to deepen their understanding of one or more aspects of French culture or language. This may include literature, conversation, grammar, content area reading, tutoring and mentoring, or some other area of study on which they choose to focus.

Spanish 1

1.0 Credit

This course is an elective world language course, and is open to most students. In the next few months, students will learn to speak, understand, read, and write emergent Spanish; students will also acquire cultural insights into the Spanish speaking world. High school students may be invited to participate in potential trips to Spanish speaking countries. Middle school students have the first four weeks to evaluate their performance and decide if they wish to pursue this course and earn a high school credit.

Spanish 2

1.0 Credit

Students will master basic Spanish grammar and learn basic Spanish vocabulary building on what is learned in Spanish 1. Students will be able to generate the language at a basic level, understand spoken Spanish, and respond appropriately to common phrases. Students will be able to read and write simple Spanish while developing good pronunciation skills. They will understand something about the diverse cultures that use Spanish, including those in the United States.

Spanish 3

1.0 Credit

This course is an elective world language course; it is open to students who have successfully completed Spanish 2. Students will continue to learn to speak and listen well enough to competently discuss needs and interests with most Spanish speakers. Students will write and read Spanish texts at a basic literacy level for a resident of a Spanish country.

Spanish 4

1.0 Credit

This course is an elective world language course; it is open to students who have successfully completed Spanish 3. Students will continue to learn to speak and listen well enough to competently discuss needs and interests with most Spanish speakers in growing complexity. Students will write and read Spanish texts at an intermediate literacy level for a resident of a Spanish country.

Spanish 5 & Higher

1.0 Credit

Students who seek to further hone their experience and knowledge of Spanish will need to consult with the Spanish teacher to develop a course that will fulfill these upper level courses. Following an

individual conference with the teacher, students will jointly design a personalized course of study that will allow them to deepen their understanding of one or more aspects of Spanish culture and language.

Mathematics

The Lopez Island secondary mathematics program strives to provide a diverse and rigorous experience to students of all levels. The Washington State Common Core Standards for Mathematics (CCSSM) are the framework for instructional decisions. Mathematics classes are sequential in nature. It is essential that students master earlier courses to be successful at later courses.

Middle School Mathematics 6

In Grade 6, instructional time focuses on connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; complete understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; writing, interpreting, and using expressions and equations; and developing an understanding of statistical thinking.

Middle School Mathematics 7

In Grade 7, instructional time focuses on developing understanding of and applying proportional relationships; developing understanding of operations with rational numbers and working with expressions and linear equations; solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and drawing inferences about populations based on samples.

Middle School Mathematics 8

In Grade 8, instructional time focuses on formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; grasping the concept of a function and using functions to describe quantitative relationships; analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

Algebra 1

1.0 Credit

Required for all 9th Grade Students

Students focus on CCSSM to deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students engage in methods for analyzing, solving, and using quadratic functions. Statistics and bivariate data is explored through the use of real data and technology.

Geometry

1.0 Credit

Students focus on CCSSM to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The students relate and apply geometric concepts to algebra, data analysis, probability and discrete mathematics. Technology is utilized to explore and master geometric concepts. The class also introduces trigonometry and its practical applications.

Algebra 2

1.0 Credit

This course extends the concepts of Algebra and the CCSSM with linear, exponential and quadratics functions. The work continues with irrational numbers and introduces complex and imaginary numbers. Practice with systems continue along with properties of circles. Finally students investigate trigonometric functions and graphs.

Pre-Calculus

1.0 Credit

The Pre-Calculus set of standards is a fast-paced and broad survey of the CCSSM “plus” (+) standards designed to prepare students for college level mathematics courses. Students investigate trigonometry, complex numbers, matrices, polynomials, rational functions, composition of functions, inverse functions and probability. Prerequisites: “C” or better in Algebra 2.

Calculus

1.0 Credit

This course is designed to prepare students for college level math courses. Students will investigate polynomial functions, rational functions, exponential and logarithmic functions, sequences, and series, discrete mathematics and probability, and the polar coordinate system. It is highly recommended that students enter with a “C” or better in Algebra 2.

Bridges to College Math

1.0 Credit

Designed by higher education faculty and high school teachers, the course addresses key learning standards from Algebra I, Statistics, Geometry, and Algebra II, coupled with experiences that build flexible thinking and a growth mindset. All of these components have been identified as important foundations for the workforce and college. Students must pass this course with a B- or higher to use it as a Math graduation alternative.

Sequences of Math Courses

Students who are new to the district will be evaluated for placement based on transcript grades, previous assessment scores and may be given additional tests to assess or confirm knowledge and skills. Our district recommends students are enrolled in a math course each year.

It is recommended that students take a pathway of Algebra 1, Geometry, Algebra 2. Another course can replace Algebra 2, but it needs to fit with the students' High School and Beyond plan, and be signed off by the counselor.

Recommended course sequences are listed below:

Grade	9	10	11	12
Recommended sequence of math courses	Algebra 1	Geometry	Algebra 2	PreCalculus
	Algebra 1	Geometry and Algebra 2	PreCalculus	Calculus
	Algebra 1 and Geometry	Algebra 2	PreCalculus	Calculus

Science

Middle School Science Rotation

Grades 6, 7, and 8 go through three rotations during middle school: Life Science, Physical Science, and Earth Science. Performance expectations focus on students developing understanding of several scientific practices: developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations. Students are also expected to demonstrate understanding of the several engineering practices, including design and evaluation.

Life Science

There are five life science topics in middle school: (1) Structure, Function, and Information Processing; (2) Growth, Development, and Reproduction of Organisms; (3) Matter and Energy in Organisms and Ecosystems; (4) Interdependent Relationships in Ecosystems; and (5) Natural Selection and Adaptations.

Physical Science

There are five physical science topics in middle school: (1) Structure and Properties of Matter; (2) Chemical Reactions; (3) Forces and Interactions; (4) Energy; (5) Waves and Electromagnetic Radiation.

Earth & Space Science

There are six earth and space sciences topics in middle school: (1) Space Systems; (2) History of Earth; (3) Earth's Interior Systems; (4) Earth's Surface Systems; (5) Weather and Climate; (6) Human Impacts.

High School Science

Students in high school continue to develop their understanding of fundamental science concepts. The high school performance expectations build on middle school ideas and skills and allow students to explain more in-depth phenomena central to physical sciences, life sciences, and earth and space sciences. They continue to develop several scientific practices, which include developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations to demonstrate understanding of core ideas.

Physical Science

1.0 Credit & Lab Credit

9th Grade

Physical Science course presents the fundamentals of physics and chemistry. Students explore the amazing universe we live in, including motion, energy, the nature of matter and atoms, how chemicals mix and react, and the forces that hold the universe together. This is a recommended 9th grade course.

Biology

1.0 Credit & Lab Credit

10th Grade

Students study four life sciences disciplinary core ideas in high school: (1) From Molecules to Organisms: Structures and Processes; (2) Ecosystems: Interactions, Energy, and Dynamics; (3) Heredity: Inheritance and Variation of Traits; and (4) Biological Evolution: Unity and Diversity. Students will also engage in a variety of labs, on and off campus, to further hone their investigative and scientific reasoning skills. This is a recommended 10th grade course.

Chemistry

1.0 Credit & Lab Credit

Successful completion of Algebra 1 and Geometry or enrollment in Geometry

Students in this course examine the fundamental properties of elements, compounds, and mixtures. Chemical reactions and chemical processes are observed and explained at the atomic and molecular level using the scientific method. Students integrate conceptual understandings, algebra skills and an ongoing laboratory experience to develop the fundamentals of problem solving, laboratory work, and the practical application of Chemistry.

Physics

1.0 Credit & Lab Credit

Successful completion of Algebra 1 and Geometry or enrollment in Geometry

Students are reintroduced to and asked to apply concepts in kinematics and forces to explain motion and the conservation of energy. They are given an overview of both mechanical and electromagnetic waves, which are used to bridge into an exploration of electrical and magnetic fields when exploring circuits and polarity. Also emphasized with respect to “micro” kinetics is the movement of particles explored through heat and thermodynamics and gas laws. Multiple, weekly laboratory investigations including the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

High School Science Electives

Science electives occur on a rotational basis. Students earn a lab credit for these courses.

Independent Laboratory Research Project

Credit depending on length of commitment

Meeting with Russel Barsh of KWLAHT & Joe Behnke

Upperclassmen will have the opportunity to conduct laboratory research with the Lopez based ecological non-profit, KWLAHT. For students pursuing a STEM career, this invaluable opportunity not only offers a glimpse of current research and practice but provides a foundation of working with specialists in real world applications. Students interested in this individualized learning opportunity should set up a meeting with Joe Behnke.

Marine Biology

1.0 Credit / CTE

The Marine Biology course prepares students to apply the principles of marine/aquatic biology, oceanography, natural resource economics, and natural resources management to the development, conservation, and management of freshwater and saltwater environments. Students receive instruction in subjects such as wetlands, lake, coastal, and oceanic water resources; water conservation and use; pollution control; aquatic and marine ecology; aquatic and marine life conservation; and the economic and recreational uses of water resources including fisheries management, fishing policy and regulation, and aquaculture. Students receive instruction in marine technologies such as ROVs, AUVs, and sonar; students design/engineer/test SeaPerch ROVs and use them to observe marine and freshwater environments. Students also participate in an ongoing ecological monitoring project of Hummel Lake and Bog in collaboration with local scientists and natural resource managers and plan and conduct field-based studies of their own. To top off the year, students participate in an end-of-the-year snorkeling field trip to a protected cove at Iceberg Point.

Environmental Science

1.0 Credit

Students plan and conduct experiments and ecological field studies at nearby sites such as Hummel

Lake, the Life Trail, Lopez Hill, and the classroom's laboratory. Upon successful completion of this course, students should be able to use scientific skills and an understanding of major environmental science concepts to decipher interrelationships of the natural world and to analyze environmental issues and their solutions.

Computer Science Principles

1.0 Credit

8th-12th Grade

Computer Science Principles courses provide students the opportunity to use programming, computational thinking, and data analytics to create digital artifacts and documents representing design and analysis in areas including the Internet, algorithms, and the impact that these have on science, business, and society. Computer Science Principles courses teach students to use computational tools and techniques including abstraction, modeling, and simulation to collaborate in solving problems that connect computation to their lives.

Career & Technical Education

To be career and college ready, students must be able to integrate and apply 21st century skills, technical knowledge and skills, and core academic knowledge. With an emphasis on real world, real life skills, Career and Technical Education connects you to academics and training that will help students be successful in the future.

Career Choices

1.0 Credit

12th grade

Career Choices prepares seniors for meeting all their graduation requirements including high school and beyond planning, FAFSA, WASFA, career pathways, community service, senior portfolio, document and presentation. Assessment is based on classroom participation, completion of both in class and outside of class projects, successfully meeting senior deadlines, and class assignments.

Introduction to Health Science

1.0 Credit

Completion or enrollment in Biology

Introduction to Health Science is a full year course designed for Juniors and Seniors interested in pursuing a career in Healthcare, or any student needing a health credit. The first semester delves into Anatomy and Physiology, going through the human body one system at a time. They will complete labs, label structures, analyze the intersection of Form and Function. The second semester takes a broad view of the field by exploring career options, legal and medical ethics, special populations, insurance, branches of healthcare systems, wellness, notation and medical math. To that end students will build a lexicon on medical terminology, take and interpret vitals, and practice patient

assessment. The course also includes a job shadow component, where students team with a local provider.

Woodshop

.5 Credit

9-12, 8th grade by teacher permission

This semester long course is aimed at any student interested in learning about the tools and skills related to basic woodworking. The students learn how to work with a variety of machines and processes found in the carpentry trades. During this course students learn how to plan, select and use materials, including tools and machines to produce a finished product. Emphasis is on safety and quality of workmanship. The students complete one required project and then (with direction) they select the rest. (The instructor decides if the student has the ability for any given project.) This course requires attendance and participation in all activities.

Marine Biology

1.0 Credit

See description under Science

Lopez Island Farm Education

Our district is pleased to be one of the few in the state, and indeed the country, that has an articulated K-12 Farm to School program. Along with the school meals, that provide a healthy meal despite income levels, our school offers three classes that are tied to the overall program. Two are listed below plus the Garden enrichment class for elementary students.

Culinary Arts

1.0 Credit

9-12, 8th by teacher permission

This course is an elective for high school students. It is designed to be a year-long course and is largely based on participation. Students learn the essentials of working in a kitchen. The year begins with basics such as sanitation, hygiene, and knife skills. Subsequent skills are built through practicing techniques. Some units include baking, fermentation, preserving, and cheese making. We invite guest chefs to lead units on ethnic food, fermentation, foraging, etc. The course includes multiple research projects and presentations.

Sustainable Agricultural Practices

1.0 Credit & 1.0 CTE Credit

Designed as a year long course

9-12

Students will learn the ins and outs of sustainable agriculture from seed to plate, in a context

that includes not only hands-on, how-to practice but theory. We constantly ask Why? and How? as we discover the most ecologically sensitive, economically sound and ethically aligned methods for producing our food. The course covers a range of material including biological processes, soil tilth, animal husbandry, arboriculture, farm infrastructure, tractors, propagation, macroscopic and microscopic botany, seed saving and assorted other whatnot through use of current scientific studies, personal experiments, individual research assignments and presentations, classroom lecture, notes, time in our school garden, community workshops, labs and countless trips to visit experts in their field.

Health

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

Middle School Health

6th Grade Health

.5 1 semester

10th Grade Health

.5 1 semester

High School Health

10th Grade Health

.5 1 semester

Physical Education

Middle School Physical Education

Middle School PE

.5 for a Semester, 1.0 for a Year Grades 6-8

This course is a requirement for all middle school students and is designed to give a general all around introduction to a variety of individual sports, team sports and recreational activities. The focus will be on fundamental skills, strategies, and fitness, with an emphasis on sportsmanship and fair play.

High School Physical Education

Weight Training / Conditioning

.5 for Semester, 1.0 for Year 9-12

Resistance, flexibility, and agility training along with cardiovascular conditioning is stressed in this course. Proper spotting, safety, and program variables are taught and implemented. Fitness testing and body composition analysis is measured and tested. Students also learn to create, develop and maintain their own fitness program and plan.

Social Studies

The district's social studies department is rooted in an examination of historical events and how they play out in our modern lives. Through the progression of courses, students master articulation and reasoning to look at both sides of an argument and understand their place in the modern world.

Middle School Social Studies

For 6 & 7 grade students, Social Studies will be offered on a rotation of years. Students will first be introduced to presentation skills, research writing, while engaging in simulations and hands-on activities. An examination of US & world history, geography and cultures will be done.

US History

1.0 Credit

11th Grade

This year-long course explores the history of the United States from the formation of the country to the present day. The course is designed so that students learn more about citizen's roles in the modern United States while learning about the founding principles that have influenced our modern society. Instruction will incorporate readings and presentations.

World History

1.0 Credit

9-10

The World History course teaches students to engage with the dynamics of continuity and change across historical periods from approximately 600 C.E. to the present. This course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies.

Civics

.5 Credit

12th grade

Required for Graduation

This semester-long course examines the role that citizens play in a democracy. Students leave the course with an understanding of how to interact with government on different levels and with an appreciation of how they can make an impact as individuals. Role playing and active participation will form the bulk of the course.

Current World Problems and Solutions

.5 Credit

12th grade

Required for Graduation

This course is required for graduation and is open to seniors.. Over the course of the year, students learn to identify, analyze, and discuss possible solutions to global problems. Students learn to evaluate past and current statements from various people as they seek facts and opinions. Students also review items of civic and personal importance, and learn to be better prepared for their life after high school. Students present their research in simple settings as well as more complex classical presentations that prepare them for their Senior Presentations.

Lopez Island High School Credit Requirements

Policy 2410

Class of	2019-Beyond Lopez Essential	2022 Lopez Standard	2022 Lopez Honors
Entering 9th grade after July 1 of:	2018	2018	2018
English	4	4	4
Mathematics	3	4	4
Science	3	4	4
Social Studies	3	3	3
Art	2	2	3
Health & Fitness	2	2	2

CTE	1	1	1
World Language	2	2	3
Electives*	4 or 6	4	4
Approved Participation School Activity		4 years	4 years
Total Required Credit	24	26	28

* based on a student taking a World Language or the student's Personalized Pathway. Personalized Pathway Requirement is defined as related courses that lead to a specific post-high school career or educational outcome chosen by the student and based on the student's interests and High School and Beyond Plan, which are intended to provide a focus for the student's learning.