



KALAMA HIGH SCHOOL

2025-2026 COURSE CATALOG

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Education Pathways and Graduation Requirements

KALAMA HIGH SCHOOL GRADUATION REQUIREMENTS

Class of 2025 & Beyond

1. WA State High School Assessments
Students in the class of 2024 and beyond must pass the SBA ELA, SBA Math, and the Science NGSS assessment of complete the state's alternative options.
2. High School and Beyond Plan
Started in late 8th grade, and revising them throughout high school, students will create their course plan for High School completion and explore career interests and post high school options, which includes a job shadow, community service hours (6), and a mock interview. Students will present their HS&B Plan to their parents/guardians during their 9th and 11th grade Student Led Conference.
3. 24 credits are required for graduation for the classes of 2025 & beyond.

Complete KHS specific credits to graduate:

English	4.0 Cr
Math	3.0 Cr (Alg I, Geometry, 3 rd year of math)
Science	3.0 Cr
Social Studies	3.0 Cr
CTE	1.0 Cr
Fine Arts	1.0 Cr
Health	.5 Cr
PE	1.5 Cr
CTE/ART/Foreign Lang	2.0 Cr
Electives	5.0 Cr
Total Credits to Graduate:	24 Credits

**Complete WA STATE HISTORY

*Please note that 4-year college-bound students are expected to have:

- 2.0 credits of a Foreign Language (same language)
- Must take at least 3 core classes (CADR) each year
- Math that includes Algebra II
- Quantitative math-based course required senior year unless Pre-Calc was completed prior to senior year
- Science should include algebra-based Chemistry

Personalized Pathways at Kalama High School

Reflecting the changing work world, the **career pathways** focus at Kalama is one of the most important changes for high school students as well as a new graduation requirement. From the moment students enter Kalama High School, it is important that they realize they are preparing themselves to compete and succeed in a global economy. Students must understand the relevance of what they are learning today to what they will do tomorrow in the work world. Career pathways are tools to help them get where they want to go, to take the classes that are best for them.

Along with an emphasis on a strong academic program, the pathways give students the opportunity to explore specific career-related classes and activities.

Career pathways help students focus on an area of interest. The chosen career pathway provides a structure for all students to develop a **career plan**, regardless of their desired level of education. This focused plan helps students select school courses, activities, Students can see the relevance in their selected courses, thereby making school more meaningful for them. At Kalama we start by having this conversation and the creation of a high school plan in the 7th grade.

Since each career pathway includes a variety of options and choices, they are applicable for *all* students, whether they plan to go on to four-year colleges, community, or technical colleges, or directly into apprenticeships or work. In addition to providing a basis for career awareness and exploration, all career pathways share the basic educational learning requirements and core competencies students need to be successful in any career.

Career and Technical Education Pathway Options offered at Kalama High School

Pathway	Course	Credits
Agriculture	Introduction to Agriculture	I year = 1 Credit
Agriculture	Natural Resources- Forest Management	I year = 1 Credit
Business & Computer Science	Computer Applications 1	I Sem = .5 Credit (Dual Credit)
Business & Computer Science	Computer Applications 2	I Sem = .5 Credit
Business & Computer Science	Introduction to Marketing	I year = 1 Credit
Business & Computer Science	Graphic Communications/Yearbook	I year = 1 Credit
Skilled & Technical	Construction 1	I year = 1 Credit
Skilled & Technical	Construction 2	I year = 1 Credit
Skilled & Technical	Woodworking Design 1	I year = 1 Credit
Skilled & Technical	Woodworking Design 2	I year = 1 Credit
Skilled & Technical	Introduction to Manufacturing	I Sem = .5 Credit (Dual Credit)
Skilled & Technical	Manufacturing Design 1	I year = 1 Credit (Dual Credit)
Skilled & Technical	Manufacturing Design 2	I year = 1 Credit (Dual Credit)
STEM	Engineering Design 1	I Sem = .5 Credit (Dual Credit)
STEM	Engineering Design 2	I Sem = .5 Credit (Dual Credit)
STEM	Engineering Design 3	I Sem = .5 Credit
STEM	Engineering Design 4	I Sem = .5 Credit
STEM	Robotics	I year = 1 Credit

AP stands for Advanced Placement: The National College Board guides the class and its curriculum. For additional information please see www.collegeboard for the link to each subject. These classes offer students the opportunity to take the AP exam in the spring. Colleges and Universities may award college credit for this course based on the student's score. C in HS; Stands for CO - Upon successful completion of the college entrance test, student will be enrolled in college course.

College in the High School: There is no fee for students at Kalama High School to enroll in a CHS or co-delivered dual credit course that includes CHS to earn only high school credit. Fees for these courses are covered by the district next year. Enrolling in a college course automatically starts an official college transcript with the institution offering the course. The transcript includes the student's performance, and the college credit(s) earned may count as elective or academic credit

depending on the receiving college's transfer credit policies. See the description with each course for more information on the type of credits awarded per college class.

College in the High School Offerings at KHS

(Subject to change: see Delker for more information)

Courses	I Semester	I Semester
CHS Pre Calculus	Math 153 = 5 College Credits	Math 154 = 5 College Credits
CHS Calculus	Math 172 = 5 College Credits	Math 173 = 5 College Credits
CHS Eng Literature	Eng 101 = 5 College Credits	Eng 102 = 5 College Credits
CHS Eng Language	Eng 170 = 5 College Credits	CMST 201 = College Credits
CHS/AP World History	Hist 102 = 5 College Credits	His 103 = 5 College Credits
CHS/AP US History	Hist III = 5 College Credits	Hist 112 = 5 College Credits
CHS Political Science	Poli Sci 100 = 5 College Credits	
CHS Advanced Biology	Bio 160 = 5 College Credits	Bio 100 = 5 College Credits
Introduction to Manufacturing	ENGR 121 = 3 College Credits	
Manufacturing I	WELD 141 = 3 College Credits	WELD 143 = 1 College Credit
Manufacturing II	WELD 141 = 1 College Credit WELD 242 = 2 College Credits	WELD 143 = 1 College Credit WELD 243 = 2 College Credits
Engineering Design I	ENGR 123 = 3 College Credits	
Engineering Design II	ENGR 122 = 3 College Credits	
Computer Applications	CS 110 = 3 College Credits BTEC 111 Or BTEC 145 = 5 Credits BTEC 131 = 5 Credits BTEC 146 = 2 Credits	= up to 15 Credits Total Must have Microsoft Certifications to Earn Credits

** For some College in the HS Classes the credits are weighted as 1.0 per semester which impacts a student's GPA as a heavier weighted grade.

** 5 college credits = 1 HS Credit

Typical 4 Year KHS Core Schedule Grad Year 2025 and Forward

*4 year college bound students are expected to have: 2.0 credits of a Foreign Language (same language), must take at least 3 core classes (CADR) each year, and Math that includes Algebra II. (Quantitative Math Base course is required senior year unless Pre-Calculus is complete.)

	Grade 9 = 6 Credits	Grade 10 = 12 Credits	Grade 11 = 18 Credits	Grade 12 = 24 Credits
1	English 9 Honors English 9 (Recommended for students who want to take Honors English 10, AP Lit, and AP Lang.)	English 10 Honors English 10 (Recommended for students who want to take Honors English 10, AP Lit, and AP Lang.)	English 11 AP American Literature Or AP Language (CIHS*) Creative Writing	English 12 AP American Literature Or AP Language (CIHS) Creative Writing
2	Earth/Space/Physical Science	Biology	Integrated Science Robotics Natural Resource Science Advanced Chemistry or CIHS Biology	Integrated Science Robotics Natural Resource Science Advanced Chemistry or CIHS Biology
3	Algebra I	Geometry	Intro to Algebra II Algebra II / Trigonometry CIHS Pre Calculus	Math Fundamentals CIHS Pre Calculus or CIHS Calculus
4	Health (Sem.) / PE (Sem.)	World History (CIHS)AP World History or (CIHS)AP US History	US History (CIHS) AP US History or (CIHS) AP World History	Civics/CWP CHS Political Science/AP Government
5	Intro. To Manufacturing (Sem.) Computer Applications I (Sem.)	PE	Elective Choice	Elective Choice
6	Elective Choice	Elective Choice	Elective Choice	Elective Choice

ENGLISH DEPARTMENT (4 credits required)

English 9 (English)

Grade level: 9th - Required

Prerequisites: None

Course Description: Students focus on note-taking skills, active reading, reading comprehension, vocabulary, grammar, essay content and organization, thesis writing, essays of argumentation, narratives, persuasive writing, journal writing, response writing, and research skills using a variety of technology and scientific literature. Students will prepare multimedia presentations and present research to peers and community members. Students will read a variety of forms and genres of literature, poetry, and nonfiction. The course will focus on close reading to understand the development of theme, characterization, author's use of form and technique and how to apply critical theories to the texts we study.

Honors English 9 (English)

Grade level: 9 – Placement

Course Description: This an intensive introduction to literature, non-fiction, rhetoric, and writing. In this course, students will read and analyze a variety of literary genres. The emphasis will be on interpreting texts, literally and figuratively, in order to better understand technique and style. Students will also consider specific themes, biases, rhetorical strategies, and other linguistic elements. This course features extensive work on the development of writing skills. Students will produce a series of essays in which they will explore their interpretations of a piece of writing. Through this process, they will work on effective elements of argumentation. Syntax, Vocabulary and Grammar will be studied in conjunction with essays and readings. Students will also participate in independent reading circles, Socratic seminars, debates, and presentations. Students will be expected to participate fully in class discussions. They will frequently be called upon to lead a small group or a portion of a class. In all assignments and class work, the expectation is quality work.

English 10 (English)

Grade level: 10 - Required

Prerequisites: English 9

Course Description: In English 10, you will develop and hone your reading, literary analysis, and academic writing skills. Semester 1's focus is on literary techniques and analysis, inference making, and the foundations of evidence-based academic writing. Semester 2's focus is on writing multiparagraph argumentative essays, starting with general essay topics and progressing towards writing source-driven multi-paragraph synthesis essays. Students will also take the Smarter Balanced ELA test in the late spring. Throughout both semesters, students can expect to read a variety of nonfiction and fiction texts like short stories, poems, speeches, essays, articles, and novels, and they will learn about and engage in the research and inquiry process.

Honors English 10 (English)

Grade level: 10th – Placement

Prerequisites: English 9 and Instructor Permission

Course Description: This is a one-year rigorous, AP-preparation course which teaches advanced writing techniques and style analysis. Through the study of literature – including, novels, short stories, essays and poetry - students will: Identify, examine, and evaluate a wide variety of rhetorical strategies. Apply effective strategies and devices to students' own writing, creating coherent, thoughtful, and mature compositions. Do extensive outside reading, writing, and research.

English 11 (English)

Grade level: 11 – Required

Prerequisites: English 10

Course Description: This is a one-year course which examines the literary heritage of the United States—from early writings to recent works. Among other things, students will: Consider the evolution of writing styles and devices. Analyze links between sociopolitical trends and literature. Continue the pursuit of thoughtful, coherent writing.

English 12 (English)

Grade Level: 12 – Required

Prerequisites: English 11

Course Description: This course will focus on improving students' skills as writers, readers, and speakers. Together we will read, discuss, analyze, and write about literature. This course will build on the reading and writing techniques students have acquired in previous years as well as introduce additional types of literary analysis for poetry and fiction. Students will read a variety of forms and genres of literature, poetry, and nonfiction. The course will focus on close reading to understand the development of theme, characterization, author's use of form and technique and how to apply critical theories to the texts we study. Writing assignments will include in-class essays as well as formal process essays (narrative, expository, and compare/contrast) with several opportunities for revision. There will be ongoing assignments to increase vocabulary and grammar. Students will also learn to become more attentive listeners and more confident public speakers through a variety of group assignments both formal and informal presentations.

College in the High School English Literature and Composition (.5 English & .5 elective per semester)

Grade Level: 11 or 12 Grade

Prerequisites: B or better in English 9th and 10th

Recommended: Completion of Honors English 10

Course Description: This course will follow the curricular requirements outlined by the College Board which focuses on building skills necessary for college-level reading and writing. The texts include works from a variety of time periods and genres, and the writing assignments include in-class essays as well as formal process essays with several opportunities for revision. This is considered a college-level course, which means that students will read and analyze challenging, provocative, dense, and sometimes controversial material. The novels and plays read in this course are from the AP Reading List (The National College Board).

Students will work together and explore a variety of reading and writing strategies proven effective in preparing for success on the Advanced Placement English Literature exam. The course will focus on improving skill sets related to confidence and facility with language; skill in critical reading, writing, and thinking, and success in academic endeavors. All students are encouraged to take the AP Literature and Composition Exam in May. This course includes using approaches that develop the skills needed to analyze and write about poetry, drama, fiction and non-fiction. This course will study rhetorical techniques as well build on the vocabulary of literary devices used to analyze poetry and fiction. We will concern ourselves with the construction of style analysis covered in the AP English Literature Examination, and with several other modes of writing. Discussion of the AP examination will include test materials and student exemplars from previous examinations. We will explore the multiple-choice section to develop close reading skills and literary terms and techniques. We will also look specifically at strategies to identify tone, and how to apply critical theories to the texts we study.

College in the High School English Language and Composition (.5 English & .5 elective per semester)

Grade Level: 11 or 12 Grade

Prerequisites: B or better in English 9 & 10

Recommended: Completion of Honors English 10

Course Description: This course will follow the curricular requirements outlined by the College Board which focuses on building skills necessary for college-level reading and writing. The course focuses on helping students become skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Students will analyze the interactions among a writer's purposes, audience expectations, and subjects as well as the way conventions and the resources of language contribute to effectiveness in writing.

Students will have opportunities to write about a variety of subjects from a variety of disciplines and to demonstrate an awareness of audience and purpose. The overarching objective is to enable students to write effectively and confidently. Therefore, the course emphasizes the expository, analytical, and argumentative writing that forms the basis of academic and professional communication, as well as the personal and reflective writing that fosters the development of writing in any context. The course teaches students to read primary and secondary sources carefully, to synthesize material from these texts in their own compositions, and to cite sources using conventions recommended by professional organizations such as the Modern Language Association (MLA).

This course includes using approaches that develop skills to examine and write about rhetorical strategies and stylistic choices in prose, nonfiction, and fiction. The study of language itself, differences between oral and written discourse, formal and informal

language, historical changes in speech and writing and differences in particular forms (argumentative, narrative, expository) will all be studied. Students will engage in varied writing tasks, including in-class essays as well as formal process essays with several opportunities for revision. Discussion of the AP examination will include test materials and student exemplars from previous examinations. In addition, students will explore the multiple-choice section to develop close reading skills and rhetorical terms and techniques. Students are encouraged to take the AP English Language and Composition Exam in May.

Creative Writing (English)

Grade Level: 11 or 12 grade

Prerequisites: previously passed SBA ELA

Course Description: Designed for students to create original forms of descriptive writing, poetry, drama and fiction. Vocabulary development, creative writing techniques, and skills are explored. Students submit their work to local and national magazines. Students will complete a full-length manuscript of original writing in descriptive writing, poetry, drama, or fiction. This course is meant to spark your literary interests, talents, and inclinations, so that you can walk away with a clearer image of who you are – or rather, who you might be – as a writer. This applies to everyone, from those who might have never written before, to those who are fairly decided on their preferred forms of writing, and everyone in between. You will read a fair amount of short stories and poems, and then write your own. You will critique the works of your classmates and help one another on this path of self-discovery and skill improvement. And if you enjoy the crafts of fiction and poetry, rest assured: you will have a great time.

FINE ARTS DEPARTMENT

Band (Fine Art or elective)

Grade level: 9-12

Prerequisites: Prior instrumental music experience or permission from instructor.

Course Description: An instrumental music class with increasing knowledge and technique in performing musical pieces. Students participate in focusing on both pep and concert bands and are required to attend all performances. Concert music covers a variety of styles and skill levels. **Students are required to attend all performances.**

Choir (Fine Art or elective)

Grade Level: 9-12

Prerequisites: none

Course Description: A vocal music class increasing knowledge and technique in performing musical pieces. Students work with all types of music, unison, 2 part, 3 part and 4 part harmonies. Solos are possible, yet not required and some small group work is required for grading purposes. Students are expected to participate and work to improve their own skills. **Students are required to attend all performances.**

Art I (Fine Art or elective)

Grade Level: 9–12

Course Description: This is a foundation course, meant to introduce you to the basic elements of art – value, color theory, form, etc. Students will work with a variety of media including, but not limited to: acrylic paint, graphite, charcoal, watercolors, oil pastel, chalk pastel, clay, various 3-D media and digital art. Some reading and writing is included to aid in student understanding and appreciation of art history and its influence on our projects. No previous art classes are needed to take this course, only your imagination!

Art II (Fine Art or elective)

Grade Level 10-12

Prerequisite: Art I

Course Description: This class is a continuation of Art I, and you must have taken Art I to be in Art II. This class focuses more on the development of a personal style and more in depth instruction on certain mediums. Oil paints, printmaking, stained glass, and plaster are among the new media you will be working with. Art II students have more freedom of choice when it comes to style of assignment but have higher standards in terms of grading. Some reading and writing is included to aid in student understanding and appreciation of art history and its influence on our projects.

Yearbook/Graphic Communications (Fine Art, elective, or CTE)

Grade level: 9-12

Prerequisites: none

Students will learn the basics of yearbook publication and photography. They will use web based programs (including but not limited to: Photopia, Adobe Photoshop, and Canva) to create the school yearbook. Students will learn the basics of photography, design layout, layout organization, production deadlines and ad sales.

Drama I (Fine Art or elective)

Grade Level: 9-12

Prerequisites: none

Course Description: This course provides students with a comprehensive exposure to the literary and performance components behind the Dramatic Arts. Students will study theatrical expression from its historical beginnings through numerous contemporary forms in a variety of genres. The students will use these works to analyze and interpret the literary and artistic characteristics of diverse theatre pieces throughout history. Students will be required to explore this broad range of theatrical and literary works through journaling, essay writing, research methods and stage performances.

Digital Media (Fine Art or elective)

Grade Level: 9-12

Prerequisites: none

Course Description: A course that prepares individuals to apply technical knowledge and skills to the production of sound recordings as finished products or as components of film/video, broadcast, live, and mixed media productions. Includes instruction in sound equipment operation and maintenance; music, dialogue, and sound reinforcement effects recording; soundtrack editing; dubbing and mixing; sound; tape, disk, and CD production; digital recording and transmission; amplification, effects, foley; and working with producers, editors, directors, artists, and production managers.

Guitar (Fine Art or elective)

Grade Level: 9-12

Prerequisites: none

Course Description: Students learn to perform a variety of skills on the guitar, including scales, chord forms and standard repertoire.

WORLD LANGUAGE**Spanish I** (Foreign Language)Grade level: 9-12 (Limited space for 9th grade)

Prerequisites: None

Course Description: Spanish I is a beginning class of Spanish in which students will learn to recognize and produce the Spanish dialect. They will learn Spanish grammar and vocabulary dealing with school, numbers, telling time, idioms, places, occupations and related areas. They will learn how to ask and answer questions in the language. The course will also explore Hispanic culture and Pre-Columbian civilizations.

Spanish II (Foreign Language)

Grade level: 10-12

Prerequisites: Spanish I

Course Description: Spanish II reviews and expands what the students experienced in Spanish I. The students will learn additional grammar and idioms. They will increase their vocabulary and fluency in speaking Spanish in areas such as travel, food, shopping, sports and other activities. They also will continue to explore Hispanic culture and history.

German or Sign Language through ALE using Edmentum.

Ask Mrs. Delker for more information.

MATH DEPARTMENT

Algebra I (Math)

Grade Level: 9-10

Prerequisites: Instructor permission/placement

Course Description: The Washington state standards for Algebra I will be covered including but not limited to linear, quadratic, exponential, and piecewise functions; systems of equations and inequalities; know and use the operations with radicals, exponents, and polynomials; interpreting categorical and quantitative data including summarize, interpret, and display measures of central tendency, and linear data; recognize and explain arithmetic and geometric sequences; use reasoning, problem solving, and communication in both math notation and language. The next course in the high school math sequence is Geometry or Geometry in construction.

Geometry (Math)

Grade Level: 9-10

Prerequisites: Instructor permission/placement

Course Description: The Washington state standards and CCSS for Geometry will be covered including but not limited to logical arguments and proof, lines and angles, geometry in the coordinate plane, geometric transformations, properties of polygons, parallelograms, triangles, and circles, arc length, area of a sector of a circle, surface area and volume of three-dimensional figures, making inferences and justifying conclusions, conditional probability and the rules of probability, using probability to make decisions, precision in measurement, conversions between systems of measurement, use reasoning, problem solving, and communication in both math notation and language. The next course in the high school math sequence is Introduction to Algebra II or Algebra II/Trigonometry, decided by teacher placement.

Introduction to Algebra II (Math)

Grade level 10-12

Prerequisites: Instructor permission/placement

Course Description: The first semester of Algebra II will be a review and extension of Algebra I to strengthen skills. Topics will include solving, graphing, and interpreting linear functions, solving systems of equations and inequalities, operations with radicals, exponents, and polynomials.

The second semester will continue to advance students' algebra skills as a slower paced Algebra II. Topics will include solving, graphing, and interpreting quadratic, cubic, rational, radical; summarize, interpret, and display measures of central tendency, and linear data, use permutations and combinations, apply the binomial theorem, interpret standard deviation and normal curves; recognize and explain arithmetic and geometric sequences and series; use reasoning, problem solving, and communication in both math notation and language. This course is designed for students that need to build skills to be successful in the more rigorous Algebra II/Trig class. The next course in the high school math sequence is Algebra II and Trigonometry.

Algebra II/Trigonometry (Math)

Grade level: 10-12

Prerequisites: Instructor permission/placement

Course Description: The Washington state standards and CCSS for Algebra 2 will be covered including but not limited to solving, graphing, and interpreting linear, quadratic, cubic, quartic, rational, radical, exponential, logarithmic, and piecewise functions; systems of equations and inequalities; know and use the operations with radicals, exponents, and polynomials; summarize, interpret, and display measures of central tendency, and linear data, use permutations and combinations, apply the binomial theorem, interpret standard deviation and normal curves; recognize and explain arithmetic and geometric sequences and series; use reasoning, problem solving, and communication in both math notation and language. The next course in the high school math sequence is Pre-Calculus or Math Fundamentals, decided by teacher placement.

Currently, a B+ grade at the end of the year in this class allows a student to take a first-tier college class at LCC without a placement test. See the matrix in the catalog for more information.

College in the High School Pre-Calculus (Math)

Grade: II-12

(Upon Passing of College Entrance Test)

Prerequisites: Instructor permission/placement

Course Description: Upon successful completion of the first semester of this course, the student will be able to explain and analyze the various features of linear, quadratic, exponential, and logarithmic functions. Upon successful completion of the second semester of this course, the student will be able to model real world phenomena using trigonometry, analyze trigonometric functions and their graphs, analyze and solve trigonometric identities and equations, and model vectors and polar equations in the real world.

College in the High School Calculus (Math)

Grade: II-12

(Upon passing college entrance test)

Prerequisites: Instructor permission/placement

Course Description: Upon successful completion of the first semester, students will understand and apply differentiation rules, apply derivatives in a real-world situation, and find critical numbers and inflection points to describe characteristics of graphs including increasing/decreasing intervals and concavity. Upon successful completion of the second semester, students will understand concept of definite integral and basic properties of integrals, the concept of anti-derivative and its applications, the Fundamental Theorem of Calculus, analytical methods for constructing anti-derivatives, including integration by parts.

Math Fundamentals/Financial Algebra (Math)

Grade: 12

Course Description: Teacher Recommendation Only

Designed for juniors or seniors that want or need more high school level math review including but not limited to: Linear, quadratic, and exponential equations, Statistics and geometry applications, Review for state, college or military assessments including the SBAC, ASVAB, and ACT tests, Financial literacy, and Adulting.

PHYSICAL EDUCATION**Health** (Health)Grade level: Required 9th

Prerequisites: None

Course Description: A co-ed class, which focuses on healthy lifestyles and reducing risky behaviors as related to a person's mental, physical and social health.

Physical Education (PE)Grade level: Required for 9th & 10th

Prerequisites: None

Course Description: A daily co-ed activity will stress individual fitness level and skill while participating in a variety of individual and team sports. See weight training/conditioning.

Weight Training (PE or Elective)

Grade level: II-12

SCIENCE DEPARTMENT**Earth/Space/Physical Science** (Science – Required)

Grade level: 9 - Required

Course Description: This course focuses on *earth, space and physical Science*. It will encourage you to ask questions and find answers (and often new questions) about the processes that have shaped our planet over 4.5 billion years. You'll work with your classmates to collect and analyze data and support your ideas with reasoning. This course will connect physics, geology, and biology to take a fresh look at real-world global challenges such as climate change.

Biology I & II (Lab science)

Grade levels: 10 - Required

Course Description: Biology is a laboratory science, focused on the study of living things. The course will be aligned to NGSS standards for the following topics:

Natural Resources (Lab Science or CTE)

Grade level: 11 - 12

Course Description: This course focuses on forest ecology, natural resources career and technical education. 1st semester will focus on forest systems, tree identification, orienteering and soil biology. Students will be required to complete a forest stewardship plan as a first semester culminating project. 2nd semester will continue to integrate forest systems and career and technical education. Students will be required to complete a forest resource plan and presentation as a second semester culminating project. Students enrolled in this course will be required to work and study outside in a variety of weather. Students will also be required to complete 15 hours of onsite and 7.5 hours of offsite community service work per semester. Students will be required to work out in the forest on Kalama School District property.

Integrated Science (Lab Science)

Grade level: 11 & 12

Course Description: Integrated Science: Laboratory science class is a course for problem-solvers and investigators. Within the fields of biomedical engineering and forensic science you will resolve design challenges and investigate mysteries using science skills: detecting patterns, identifying cause and effect, modeling, and exploring structure and function.

Robotics (Science, CTE, or elective)

Grade Level: 9-12

Course Description: This course focuses on engineering design practices, including designing building and the programming of robots. Topics covered in this course include: computer programming, robotics, engineering careers, and engineering design. In this course students will be expected to design a solution to a complex real-world problem by breaking the problem down into smaller, more manageable parts that can be solved through engineering.

Chemistry (Lab Science)

Grade Level: 11 - 12

Prerequisites: Algebra or Geometry and Biology

Recommended: Concurrent with Algebra II

Course Description: This course is strongly recommended for all university bound students and is a science which deals with the composition, structure, and properties of substance and the transformations that they will undergo. Course will involve a minimum of Algebra I math skills, however Algebra II is recommended to be taken concurrently. Also, work will include balancing chemical formulas and equations. Lab work will also be required.

College in the High School Biology (CHS BIOL 100/160): (Lab Science) (.5 Sci & .5 elective per semester)

Grade Level: 11 - 12

Prerequisites: Biology I, Biology II, and Earth, Space, Physical Science

BIOL 160 Lower Columbia College (LCC)

The course is taught at the college level and students have the opportunity to earn college credit. Introduces cell biology including the chemistry of life, the structure, reproduction, and metabolism of cells, genetics, and evolutionary biology. Includes inquiry-based labs.

Apply the scientific method of problem solving to draw rational, ethical, and coherent conclusions in biology.

Use quantitative reasoning to interpret data (as defined by the numeracy global skills rubric.)

Express ideas and information in writing in a format that is clear and appropriate to both scientific and non-scientific audiences (as defined by the communication global skills rubric). Evaluate the relationship between science and society.

Core Concepts/Knowledge Areas

Describe the structure and properties of atoms and chemical bonds.

Describe the structure and function of biological macromolecules.

Describe the structure and function of cell components, with emphasis on eukaryotes.

Discuss the evolutionary relationship of prokaryotic and eukaryotic cells.

Explain how genetic information is stored, copied, transferred, and expressed.
 Describe the process of cell division.
 Employ genetic principles in predicting inheritance patterns.
 Describe the fundamentals of metabolism, with emphasis on cellular respiration.

The course is taught at the college level and students have the opportunity to earn college credit. Introduction to scientific inquiry and basic principles of biology at molecular, cellular, organismal, community, and ecosystem levels as applied to humans, society, and the environment.

Learning Objectives/Course Outcomes

Describe advancements in our understanding of cell biology, genetics and biotechnology and explain practical applications of these areas in medicine. Compare and contrast the scientific process with other systems of thought and explain how the process of science is used to predict natural phenomena. Generate testable hypotheses, design experiments, collect and analyze data. Describe the processes and components of Mendelian Inheritance. Analyze and interpret scientific data.

AP/CHS Environmental Science (Lab Science)

NOT OFFERED IN 25.26

Grade level: 11 - 12

Recommended: Completed- 2 years of laboratory science and Algebra I

Course Description: This course is an intensive science course designed to prepare students for the AP Environmental Science exam. The course is taught at the college level and students have the opportunity to earn college credit. Students in this course will explore and investigate the interrelationships of the natural world through inquiry-based labs and field work. Students will analyze problems, both natural and human-made, and examine solutions for resolving and preventing these problems. This course is interdisciplinary, incorporating elements from geology, biology, environmental studies, environmental science, chemistry, and geography.

SOCIAL STUDIES DEPARTMENT

Washington State History - Independent Study Online (Social Studies)

Grade level: NA

Prerequisites: Washington State Graduation requirement. This course is required for HS students who have not passed this course previously. *This course should be taken during summer school.*

Course Description: A survey of the Pacific Northwest with the State of Washington highlighted. Topics include the region's physical environment, early human history, migratory theories to the area, Native American tribes, territorial and statehood, early political government and economic development. Present day multicultural society and cultural aspects of the state, government, natural resources, energy sources, manufacturing, transportation and trades, along with current issues of the state.

World History (Social Studies)

Grade Level: 10 – Required

Prerequisites: None

Course Description: The World History course presents students an opportunity to explore people, places, governments, and historical events that shaped our modern world. Students apply social study skills through inquiry, research, written and visual presentations, and considering different perspectives using multiple types of sources. Knowledge of governments and religion is built to study developments such as new ideas and economic systems, revolution, conflict, migration, and the birth of new nations and how they shaped the modern world. The course introduces events beginning with the 1300s then focuses on the time between 1450 to present.

College in the High School /AP World History (Social Studies) (.5 Hist & .5 elective per semester)

Grade Level: 10 – Required

Prerequisites: Instructor Permission

Course **offered in 25-26 school year**

Course Description: AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Upon completion of this course students will be able to understand historical causation, patterns, and continuities. They will use these understandings to create diverse interpretations of the past using primary and secondary sources. This course will include college-level resources beyond the class textbook. Major emphasis is placed on essay writing in preparation for the Advanced Placement World History exam. Students interested in this course should have a reasonable amount of time available to dedicate to outside-of-class readings and must be self-motivated and have the ability to think analytically and critically about history. This class is taught at a college level and may earn students college credit which will be determined if a student take the AP Exam and reaches an adequate score. Students may earn college credit with College in the High School enrollment.

United States History (Social Studies)

Grade level: 11 - Required

Prerequisites: None

Course Description: This course covers a review of the 19th century and focuses the majority of the year on a survey of the 20th century. We will cover everything from political, social and economic history. This class is a state graduation requirement and requires at least 10th grade standing admittance. Though a textbook is used, there are also supplemental texts. See instructor for list.

College in the HS III/II2/AP US History (Social Studies) (.5 Hist & .5 elective per semester)

Grade level: 11 – 12

Prerequisites: Instructor Permission

Course offered in 26-27 school year

Course Description: Advanced Placement United States History is a two-semester course that offers a survey of American History beginning in the 15th century. Students will need to examine not only historical facts, but bias that may skew the facts, and the importance of weighing bias to learn from history. AP assignments include extensive reading (both in textbook, secondary readings and primary sources material), writing, and study skills, which will enhance their future success at the college level.

CWP/Civics (Civics/Social Studies)

Grade Level: 12 - Required

Prerequisites: None

Course Description: This is a graduation requirement and is only offered to seniors. Each semester will have a different focus. One semester will be the study of Civics and American Domestic Policies and the other semester will concentrate on International Policies. The whole year we will tie in current events and how they relate to the overall focus of what we are studying. Instructor will utilize class time to bring in guest speakers to enhance the subjects being discussed.

CHS Political Sci 100 & AP US Government & Politics (Civics/Social Studies) (.5 Hist & .5 elective/semester)

Grade Level: 12

Prerequisites: None

Course Description: This course is an introduction to the workings of the United States government from an historical, theoretical, and institutional point of view. Subjects of study include the founding of the United States, federalism, civil rights and civil liberties, political parties and interest groups, and American political institutions such as Congress, the Presidency, the Judiciary. The course also addresses fundamental concepts such as power, ideology, and the citizen role in democratic politics. AP US Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the US. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence based arguments.

Career and Technical (CTE) Classes:

Introduction to Manufacturing- (CTE or Elective)

Grades: 9 - Required

Length: Semester

Prerequisite: None

Dual Credit: Upon completion with a B or better students are eligible to receive 3 college credits through LCC

Course Description: This course introduces students to the steps needed to plan, design, and fabricate a project to meet a set of parameters. Students will use computer aided design (CAD) and the commands and procedures used to create, edit, and plot two-

dimensional (2D) drawings and create basic three-dimensional (3D) models. Students will use a vinyl cutter, laser engraver, and a 3D printer to create fun, hands-on projects.

Engineering Design I (CTE or Elective)

Grades: 10 – 12

Length: Semester

Prerequisite: Introduction to Manufacturing

Dual Credit: Upon completion with a B or better students are eligible to receive 3 college credits through LCC

Course Description: Did you like Introduction to Manufacturing, if so, this class is for you. Students will learn how to use computer aided design (CAD) software to plan, design, and fabricate projects using a vinyl cutter, laser engraver, 3d printer, and more.

Engineering Design II (CTE or Elective)

Grades: 10 – 12

Length: Semester

Prerequisite: Engineering Design I

Dual Credit: Upon completion with a B or better students are eligible to receive 3 college credits through LCC

Course Description: This is an intermediate computer aided design (CAD) class where students will use CAD software to plan, design, and fabricate intermediate projects using a vinyl cutter, laser engraver, 3D printer, and more.

Engineering Design III (CTE or Elective)

Grades: 11 – 12

Length: Semester

Prerequisite: Engineering Design II

Course Description: This is an advanced computer aided design (CAD) class where students will use CAD software to plan, design, and fabricate advanced projects using a vinyl cutter, laser engraver, 3D printer, and more.

Engineering Design IV (CTE or Elective)

Grades: 11 – 12

Length: Semester

Prerequisite: Engineering Design III

Course Description: This is an independent study course designed to further develop one's engineering design skills. Students will be given real-world design projects to work on throughout the semester. Students will use a laser engraver and 3D printer to create working prototypes for their projects.

Woodworking Design I (CTE or Elective)

Grade level: 9-12

Length: Year

Prerequisites: None

Course Description: An introductory woodshop class designed to give students experience in machine safety and operation, project design, wood joinery, wood identification and product methods. Students will have the opportunity to design and construct their own project according to their abilities. This class prepares students for entry level jobs in the construction trade.

Woodworking Design II (CTE or Elective)

Grade level: 10-12

Length: Year

Prerequisites: Woodworking Design I

Course Description: An advanced woodshop class designed to give students additional in-depth experience in machine safety and operation, project design, wood joinery, wood identification and product methods. Students will have the opportunity to design and construct an advanced level project. This class prepares students for entry level jobs in the construction trade

Construction I (CTE or Elective)

Grade level: 9-12

Length: Year

Prerequisites: None

Course Description: This is a construction course where students will learn a broad spectrum of knowledge and skills while building model houses, storage sheds, and more. Students will learn about construction math, careers, safety, problem solving on the job, tool use, drawing interpretation, floor framing, wall framing, roof framing, roofing installation, siding installation, door and window installation, and much more. If you want to learn how to work on/build your own house or develop skills to help you be more employable in a construction related trade, this is the course for you.

Construction II (CTE or Elective)

Grade level: 10-12

Length: Year

Prerequisites: Construction I

Course Description: This is an advanced construction course where students will build on their skills learned in Construction I. Students will learn more about construction math, careers, safety, problem solving on the job, tool use, drawing interpretation, floor framing, wall framing, roof framing, roofing installation, siding installation, door and window installation, and much more. Advanced construction students will learn to build a functioning bathroom and hopefully be involved with the planning, designing, and building of a tiny house. If you want to learn more on how to work on/build your own house, or develop skills to help you be more employable in a construction related trade, this is the course for you.

Manufacturing I(CTE or elective)

Grade level: 9-12

Length: Year

Prerequisites: none

Dual Credit: Upon completion with a B or better students are eligible to receive 4 college credits through LCC

Course Description: This is an introductory manufacturing course that covers various types of welding processes. Students will create projects throughout the year using a metal lathe, milling machine, sheet metal equipment, and a CNC plasma machine. Students will create metal art projects using the CNC plasma machine as well.

Manufacturing II(CTE or elective)

Grade level: 10-12

Length: Year

Prerequisites: Manufacturing I

Dual Credit: Upon completion with a B or better students are eligible to receive 4-8 college credits through LCC

Course Description: This is an advanced manufacturing course that builds on the welding processes learned in Manufacturing I. Students will use their welding and fabrication skills to create a multi-part project. Students will also create multi-part projects with a metal lathe, mill and sheet metal equipment.

Computer Applications I(CTE or elective)

Grade level: 9–Required

Length: Semester

Prerequisites: none

Dual Credit: Upon completion with a B or better students are eligible to receive 3 college credits through LCC

Course Description: This is an introductory computer applications course that covers Microsoft PowerPoint, Word, and Excel. Students will have the opportunity to receive Microsoft Office Specialist certifications in PowerPoint Associate, Word Associate, and Excel Associate.

Computer Applications II (CTE or elective)

Grade level: 10-12

Length: Semester

Prerequisites: Computer Applications I

Course Description: This is an intermediate computer applications course that covers Microsoft Word Expert and Excel Expert. Students will have the opportunity to receive Microsoft Office Specialist certifications in Word Expert and Excel Expert.

Introduction to Marketing: (CTE or Elective)

Grade level: 10–12

Prerequisites: Computer Applications I

Course Description: An introductory business and marketing course, enables students to acquire a realistic understanding of business processes and activities. Students examine fundamental economic concepts, the business environment, and primary business activities. They will develop an understanding of and skills in such areas as customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Students will be working with other classes to develop and plan for the Chinook Shoppe.

Introduction to Agriculture: (CTE or Elective)

Grade level: 9 - 12

Prerequisites: None

Course Description: A course that focuses on the general principles and practice of agricultural research and production that may prepare individuals to apply this knowledge to the solution of practical agricultural problems. Includes instruction in basic animal, plant, and soil science; animal husbandry and plant cultivation; soil conservation; and agricultural operations such as farming, ranching, and agricultural business.

Yearbook/Graphic Communications I & II (Fine Art, elective, or CTE)

Grade level: 9-12

Prerequisites: none for year I. Year 2 needs year I first.

Students will learn the basics of yearbook publication. They will use an electronic, web-based program to create the school yearbook. Students will learn the basics of design layout, layout organization, production deadlines and ad sales.

Robotics (CTE, Science, or elective)

Grade Level: 9-12

Course Description: This course focuses on engineering design practices, including designing building and the programming of robots. Topics covered in this course include computer programming, robotics, engineering careers, and engineering design. In this course students will be expected to design a solution to a complex real-world problem by breaking the problem down into smaller, more manageable parts that can be solved through engineering.

Natural Resources (Lab Science or CTE)

Grade level: 11- 12

Prerequisite: none

Course Description: This course focuses on forest ecology, natural resources career and technical education. 1st semester will focus on forest systems, tree identification, orienteering and soil biology. Students will be required to complete a forest stewardship plan as a first semester culminating project. 2nd semester will continue to integrate forest systems and career and technical education. Students will be required to complete a forest resource plan and presentation as a second semester culminating project. Students enrolled in this course will be required to work and study outside in a variety of weather. Students will also be required to complete 15 hours of onsite and 7.5 hours of offsite community service work per semester.

ELECTIVES**Leadership (Elective)**

Grade Level: 9-12

Prerequisites: Principal and Teacher Approval

Course Description: This class gives students the opportunity to make the school a better place through projects, community service and events. This class requires an application and teacher approval.

Advanced Agriculture: (Elective)

Grade Level: 10-12

Prerequisites: Introduction to Agriculture and talk with Mr. Groff

Course Description: Builds on the skills learned in Intro to Agriculture. Students will study advanced vet sciences, ag mechanics and other CDE activities from the national FFA events lists.

Mentoring (Elective)

Grade level: 11 - 12

Prerequisites: (Teacher permission required)

Course Description: Assist teachers with student learning requirements. A good attendance record is essential. (This is not a TA)

Teacher Assistant (Elective)

Grade level: 11 - 12

Prerequisites: (Principal and Teacher permission required)

Course Description: Assist teachers with basic office skills, word processing, filing, copying, running errands, etc. A good attendance record is essential.

Alternative Learning Online Classes- Original Credit or Credit Recovery:

Grade level: 9 – 12

Prerequisites: Administration approval after completing an application. Space is limited.

Kalama uses Edmentum for students who would like to take course in an alternative setting to the regular classroom. There are many available in all core subjects as well as electives. Students can take advantage of these classes if they have failed a class that is required or for original and new credit. These courses can be taken as Distance Learning Courses. **English, Math, Science, History, and Electives available.** CTE online courses CANNOT be taken for CTE credit.

Off-Campus - See Mrs. Delker for application process

Kelso or Longview AM SESSION I & 2 PERIOD Student must provide transportation.

Aviation Science: (Elective/CTE)

Grade Level: 11 - 12

Prerequisites: Must register at Kelso High School (Student must provide their own transportation.)

Course Description: This course is an entry point into a multitude of careers in the aerospace industry.

Careers in Education: (Elective/CTE)

Grade Level: 11 - 12

Prerequisites: Must register at Kelso High School (Student must provide their own transportation.)

Course Description: Students will be learning the ins and outs of early childhood education and K-12 teaching careers.

Diesel Mechanic Technology: (Elective/CTE)

Students will gain hands-on experience with heavy duty trucks and mobile heavy equipment. You will learn the fundamentals of diesel engines, basic electricity, hydraulics, air brake systems, fluid power circuits, powertrains, HVAC, transmission, and axel assemblies and perform preventative maintenance.

Fire Science I & II (Elective, CTE, or .5 PE)

Grade Level: 11 - 12

Prerequisites: Must register at Kelso High School (Student must provide their own transportation.)

Course Description: Basic firefighter skills needed to become an entry-level firefighter in the state of Washington. Fast-paced and physically challenging.

Forecasting for 2025-2026 Freshman

A signed form is required. If we do not receive a signed form, we will select the electives for you.

Student Name (First & Last Printed): _____

REQUIRED COURSES: Circle one course for each required option.

1. English Options: English 9 or Honors English 9
2. Algebra Options: Algebra or Geometry
3. Science: Earth/Space/Physical Science
4. PE/Health
5. Introduction to Manufacturing and Computer Applications I

Elective Options:

<u>FINE ARTS:</u>	<u>CTE:</u>	<u>ELECTIVES:</u>
Art I (Art or CTE)	Construction	Leadership
Band	Intro to Agriculture	
Choir	Manufacturing	
Drama	Robotics	
Guitar.5/Digital Media .5	Woodworking	<u>World Language:</u>
Theatre Tech		Spanish
Yearbook/Graphic Communications (Art or CTE)		

Electives: 9th graders will have 1 elective to choose for the year. Please write in 2 top choices and 1 alternatives in case your top choices are full.

Choice (1) _____ Choice (2) _____

Alternate _____

Student Signature: _____

Parent Signature: _____

Forecasting for 2025-2026 Juniors

A signed form is required. If we do not receive a signed form, we will select the electives for you.

Student Name (First & Last Printed): _____

REQUIRED COURSES: Circle one course for Math and for History.

1. Math Options: Intro to Algebra 2 or Algebra 2/Trig or CHS Pre Calculus

2. History Options: US History or CHS World History

3. Circle your top choice and write your alternative for English.

English 11 or Creative Writing (must pass ELA SBA) or CHS English (must pass ELA SBA)

Alternative (1)

4. Circle your top choice and write in your alternatives for Science.

CHS Biology or Robotics or Integrated Science or Natural Resource Science or Chemistry

Alternative (1)	Alternative (2)
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Other Options:

Applications Available for the Following Options. See Delker

- Cascadia Skills Center ½ day
- Off Campus Options – Fire Science, Health Science, Police Science, Aviation Science, Diesel Mechanic Technology, or Vet Tech (1st & 2nd period)
- Running Start

<p>Electives: 11th graders will have 2-3 electives to choose for the year. Please write in alternatives in case your top choices are full.</p>	
Choice (1) _____	Choice (2) _____
Alternate (1) _____	Alternate (2) _____
Alternate (3) _____	Interested in TA or Mentoring (circle 1)

Student Signature: _____

Parent Signature: _____

Forecasting for 2025-2026 Seniors

Forecasting forms are due not later than Friday February 21st. A signed form is required. If we do not receive a signed form, we will select the electives for you.

Student Name (First & Last Printed): _____

REQUIRED COURSES: Circle one course for History and for English.

1. History Options: Civics/CWP or CHS Political Science /US Government

2. Circle your top choice and write your alternative for English.

English 12 or Creative Writing (must pass ELA SBA) or CHS English (must pass ELA SBA)

Alternative (1)

Other Course Options:

- If you are taking Science, circle your top choice and write in your alternatives.

CHS Biology or Robotics or Integrated Science or Natural Resource Science or Chemistry

Alternative (1)	Alternative (2)
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- If you are taking math, circle your top choice.

Intro to Algebra 2 or Algebra 2/Trig or CHS Pre- Calculus or CHS Calculus or

Math Fundamentals

- Applications Available for:

Running Start

Off Campus Options –Fire Science, Health Science, Police Science, Aviation Science, Diesel Mechanic Technology, or Vet Tech

Cascadia Skills Center ½ day

<p>Electives: 12th graders will have 2-3 electives to choose for the year. Please write in your top 3 choices and alternatives in case your top choices are full.</p>	
Choice (1) _____	Choice (2) _____
Alternate (1) _____	Alternate (2) _____
Alternate (3) _____	Interested in TA or Mentoring (circle 1)

Student Signature: _____

Parent Signature: _____