

# Winter/Spring 2013 Course Catalog



## AKLN

Alaska's Learning Network  
Making Education More Accessible







# AKLN

Alaska's Learning Network  
Making Education More Accessible








Qualifying course for  
the Alaska Performance  
Scholarship








Course designed by a  
Highly Qualified  
Alaskan Educator






## English

-  ENG 1A & B: Grade 9 English
-  ENG 2A & B: Grade 10 English
-  ENG 3A & B: Grade 11 English
-  ENG 4A & B: Grade 12 English
- ENG 5A & B: SAT Prep
- ENG 6 A & B: ACT Prep
-  ENG 7: Advanced Composition






## Math

-  Pre-Algebra A & B
-  Algebra 1 A & B
-  Algebra 2 A & B
-  Geometry A & B
-  Financial Math A & B
- Math SAT Prep



## Science

-  SCI 1A & B: Earth Science
-  SCI 2A & B: Biology
-  SCI 3A & B: Physical Science
-  SCI 4A & B: Chemistry
-  SCI 5A & B: Environmental Science

## Social Studies

-  SS 1: Alaska Studies
-  SS 2: World History
-  SS 3: US History
-  SS 4: US Government
-  SS 5: Geography

## Career & Technical Education

-  \*CTE 2: CIOS 105 Computer Literacy
-  \*CTE 3: Intro to Mining Occupations and Operations
- \*dual credit





## Electives

- ELE 1: Audio Engineering
- ELE 2: Career Planning & Development
- ELE 3: Digital Arts
- ELE 4: Game Design
- ELE 5: Image Design and Editing
- ELE 6: Strategies for Academic Success
- ELE 7: Engineering Design

## Health

- HEALTH 1B: Foundations of Personal Wellness
- HEALTH 2B: Healthy Living
- HEALTH 3B: Lifetime Fitness

## World Languages

-  WL 1A & B: Spanish 1
-  WL 2A & B: Spanish 2
-  WL 3A & B: French 1
-  WL 4A & B: French 2

**Contact: [www.aklearn.net](http://www.aklearn.net)**  
**Kelly Sorensen 907-586-9702**  
**[kelly@aklearn.net](mailto:kelly@aklearn.net)**



# English



## **ENG 1A & 1B (Grade 9)**

Dedicated to creating effective and adaptable readers and writers, these courses provide rigorous training in the foundations of English Language Arts skills and strategies. Using the core foundation, the course expands on and applies traditional concepts to modern, 21st-century demands. Offering practical lessons in techniques such as visualizing, making inferences and predictions and recognizing, and organizational patterns in online and offline texts, this course delivers hands-on training in applying the writing process, evaluating essays, and using MLA style and documentation. Over the course of the semester, interactive grammar lessons will strengthen students' grasp of language and improve writing skills.

### English 1A

Length: 1 semester (0.5 credits)

Units:

The Art of Storytelling: Analysis of Plot and Setting

Conformity and the Individual: Analysis of Characterization

Meaningful Obstacles: Analysis of Conflict, Theme, and Literary Elements

The Art of Expression: Analysis of Narrator, Point of View, and Voice

Making Sense of Chaos: Analysis of Poetry

Cumulative Exam

### English 1B

Length: 1 semester (0.5 credits)

Units:

Revolutionary Lives: Autobiographies, Essays, and Personal Accounts

Faith and Morals: Exploration of World Mythologies and Allegories

An Epic Text: The Odyssey by Homer

Drama: Shakespeare - The tragedy of Romeo and Juliet

Provocative Words: Rhetoric and Argumentation

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Materials:** Computer, Internet access

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# English



## **ENG 2A & 2B (Grade 10)**

Focused on application, English 2 reinforces literary analysis and 21st-century skills with superb literature pieces, application e-resources, and educational interactives. Keeping recent ninth-grade graduates in mind, the course uses the foundations of reading, writing, and analysis skills to take students to the level of mastery they will need to succeed in future English Language Arts courses and the workplace. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, 21st-century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWritingPal software, students will also compose descriptive, persuasive, expository, literary analyses, research, narrative, and compare-contrast essays. Classic literature pieces, including the full texts of *Antigone*, *The Tragedy of Julius Caesar*, and *Gulliver's Travels*, train students in conquering complex texts. Catering not only to educators but also to students, the course texts are engaging and include many selections from world literature.



### English 2A

Length: 1 semester (0.5 credits)

Units:

Dealing with Difficulty

Searching for Peace

The Search for Cultural Identity

Novel Study: *Gulliver's Travels* by Jonathan Swift

Cumulative Exam

### English 2B

Length: 1 semester (0.5 credits)

Units:

Research and Persuasion

Classical Greek Literature: *Edith Hamilton and Antigone* by Sophocles

Elizabethan Drama: *The Tragedy of Julius Caesar* by William Shakespeare

World Literature

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

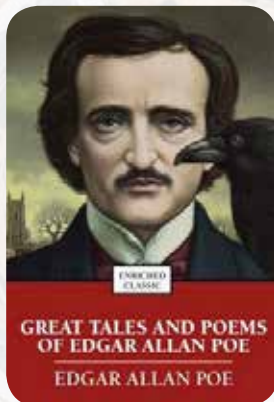
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**Materials:** Computer, Internet access

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# English



## **ENG 3A & 3B (Grade 11)**

This is a two part course that can be taken as a semester or full year class. Focusing on American literature, English 3 takes students on a journey spanning from slave narratives to contemporary works. In an engaging course structure, students will explore classic American literature in chronological order and within the context of literary eras. Setting American literature in the context of history offers students insight into how American literature developed and the unique characteristics that set it apart from other literary traditions. Over two semesters, students will read and analyze canonical works from authors such as Frederick Douglass, Edgar Allan Poe, Emily Dickinson, Walt Whitman, Nathaniel Hawthorne, Kate Chopin, F. Scott Fitzgerald, and Langston Hughes. In addition to the literature, the course also integrates communication, grammar, and writing lessons throughout to improve students' ability to discuss the readings in a scholarly setting.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Materials:** Computer, Internet access

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# English



## **ENG 4A & 4B (Grade 12)**

This is a two part class that can be taken as a full year or a semester class. Covering an interesting and expansive time period, LA1094 offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the Modern Period. With interactive introductions and historical contexts, this two-semester course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Materials:** Computer, Internet access

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# English



## **ENG 5B: SAT Prep**

Course Description: While high school grades are a very useful indicator of how students will perform in college, there is great variation in grading standards and course rigor within and across high schools. More than 80 years ago the College Board created the first standardized college entrance test to help colleges and universities identify students who could succeed at their institutions and to connect students with educational opportunities beyond high school.

English SAT Prep requires the completion of 3 mini-courses within the E2020 curriculum. These mini-courses should be completed in order. Once one is completed, the next will be assigned. Following are the mini-courses along with its approximate time to complete and grading scale:

Mini-Course Name	Average Hours to Complete	Maximum Hours to Complete	Grade Weights
SAT Critical Reading I	16	31	Quiz 68% Assignment 32%
SAT Critical Reading II	16	30	Quiz 68% Assignment 32%
SAT Critical Writing I	16	28	Quiz 68% Assignment 32%
Totals	48	89	

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Materials:** Computer, Internet access

## **ENG 6B: ACT Prep**

When it comes to college entrance exams, e2020's Virtual Tutor provides students with an individualized program designed to leverage strengths and fix gaps and weaknesses. Succeeding on the ACT exam gives students an edge when considering post-secondary options. The Virtual Tutor ACT preparation courses are designed to prepare students to succeed on all sections of the ACT. These customizable courses include, ACT-Reading Bundle, ACT-Writing, ACT-English Bundle. In addition to reviewing and drilling reading, writing, the courses also teach essential test-taking strategies that students need to know to excel on the ACT with as little stress as possible.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Materials:** Computer, Internet access



# English

## **ENG 7: Advanced Writing- IDEA Writing**



Motivating students in grades 9–12 to become more articulate and effective writers, Idea Writing offers hands-on experience writing personal reflections, definition essays, research essays, persuasive essays, informative pieces and literary analysis essays.



**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Materials:** Computer, Internet access

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# Math

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## Pre-Algebra A & B

Supporting students' needs for engaging and interactive instruction, Pre-Algebra is a course that encourages students to apply previously learned skills to more advanced problems in an effort to gain mastery of algebraic concepts. This course, intended for high school students, covers familiar topics including statistical data, ratios, proportions and percents, spatial thinking, sequences and patterns, and polynomials and functions—in a more comprehensive manner that challenges students in preparation for more complex subjects. Lessons are assigned based on pretest scores.

### Pre-Algebra A

Length: 1 semester (0.5 credits)

Units:

Variable and Expressions

Integers

Equations

Number Theory

Rational Numbers

Ratio, Proportion and Percent

Equations and Inequalities

Cumulative Exam

### Pre-Algebra B

Length: 1 semester (0.5 credits)

Units:

Functions and Graphing

Spatial Thinking

Areas and Volume

Right Triangles in Algebra

Statistics

Probability

Sequences

Polynomials and Nonlinear Functions

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Materials:** Computer, Internet access

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# Math



## **Algebra 1A & 1B**

Challenging students' mastery of learned algebraic skills, Algebra 1 provides in-depth coverage of writing, solving, and graphing a variety of equations and inequalities, as well as linear systems. Interactive activities provide students with opportunities to explore and discover algebraic principles on their own, and will encourage the application of learned skills to real world problems. Students will use the properties of real numbers to explore relevant, project-based learning activities that will provide a deeper understanding of the subject matter. Lessons are assigned based on pretest scores.

### **Algebra 1A**

Length: 1 semester (0.5 credits)

Units:

- Variable and Expressions
- The Real Number System
- Laws of Exponents
- One-Variable Equations
- Radical Expressions
- Multi-Step Equations
- One-Variable Inequalities
- Absolute Value Equations and Inequalities
- Represent Relationships
- Linear Relationships
- Write Linear Equations
- Linear Systems
- Cumulative Exam

### **Algebra 1B**

Length: 1 semester (0.5 credits)

Units:

- Statistics
- Probability
- Polynomial Operations
- Factor Polynomials
- Rational Expressions
- Quadratic Functions
- Quadratic Equations
- Number Patterns and Exponential Functions
- Functions and Transformations
- Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Math

## Algebra 2A & 2B

Providing further insight into advanced algebraic concepts, this course serves as an extension of Algebra I. MA1103 develops students' ability to manipulate and use matrices in various formats to determine data relationships and delve into function types such as polynomial, logarithmic, quadratic, exponential, and rational and periodic. Offered in an instructive and highly interesting format, high school level students will have the skills needed for state standardized tests and national exit exams upon completion of the course. Lessons are assigned based on pretest scores.



### Algebra 2A

Length: 1 semester (0.5 credits)

Units:

Expressions, Equations and Inequalities

Linear Relationships and Functions

Systems of Equations

Matrices

Quadratic Functions

Polynomials

Polynomial Functions

Cumulative Exam

### Algebra 2B

Length: 1 semester (0.5 credits)

Units:

Exponential and Logarithmic Functions

Conic Sections

Rational Functions and Radical Functions

Sequences and Series

Probability and Statistics

Statistics

Trigonometric Functions

Trigonometric Identities

Cumulative Exam

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**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

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# Math

## Geometry A & B

Offering a hands-on approach to instruction, Geometry is an interactive course designed to introduce the basics of geometry through engaging lectures and informative lesson plans. Students will be challenged to apply previously learned knowledge to higher-level ideas such as reasoning and proof, geometric relationships, and logic. This informative course covers fundamentals of shapes, surface area and volume of shapes, transformations, as well as strategies that include writing, analyzing, and using proofs. High school-students will gain valuable, tangential knowledge of more complex concepts such as trigonometry. Lessons are assigned based on pretest scores.



## Geometry A

Length: 1 semester (0.5 credits)

Units:

- Geometric Structure and Patterns
- Foundations of Geometry
- Reasoning and Logic
- Reasoning and Proof
- Transformational Geometry
- Congruence and Similarity
- Line and Angle Relationships
- Congruency in Triangles
- Triangle Relationships
- Similarity
- Cumulative Exam

## Geometry B

Length: 1 semester (0.5 credits)

Units:

- Trigonometry
- Right Triangles
- Trigonometric Applications
- Geometry of Shapes
- Quadrilaterals
- Polygons
- Circles
- Dimensions and Algebraic Connections
- Surface Area and Volume
- Analytic Geometry
- Probability and Sets
- Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Math

## Math 5A & 5B: Financial Math

Connecting practical mathematical concepts to personal and business settings, Financial Math offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial mathematics. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. This course encourages mastery of mathematics skill sets, including percents, proportions, probability, data analysis, linear systems, and exponential functions. Lessons are assigned based on pretest scores.



### Financial Math A

Length: 1 semester (0.5 credits)

Units:

Personal Financial Planning

Income

Budgeting and Wise Spending

Banking

Paying Taxes

The Importance of Insurance

Long-Term Investing

Buying a House

Cumulative Exam

### Financial Math B

Length: 1 semester (0.5 credits)

Units:

Consumer Loans

Consumer Credit

Consumer Debt

Economic Principles

Traveling Abroad

Starting a Business

Analyzing Business Data

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Math

## **Math SAT Prep**



**Course Description:** While high school grades are a very useful indicator of how students will perform in college, there is great variation in grading standards and course rigor within and across high schools. More than 80 years ago the College Board created the first standardized college entrance test to help colleges and universities identify students who could succeed at their institutions and to connect students with educational opportunities beyond high school.

Math SAT Prep requires the completion of 3 mini-courses within the E2020 curriculum. These mini-courses should be completed in order. Once one is completed, the next will be assigned. A diagnostic pre-test determines which lessons are assigned for each mini-course. The minimum for passing the class is 70%, based on a quiz (60% of grade), labs (20% of grade).

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

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# Science

## SCI 1A & 1B: Earth Science



This is a two part class that can be taken as a full year or one semester class. Students enrolled in this dynamic course will explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly more prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing earth. Earth Science will provide a solid foundation for understanding the physical characteristics that make the planet Earth unique and will examine how these characteristics differ among the planets of our solar system.

### Earth Science A

Length: 1 semester (0.5 credits)

Units:

The Planet Earth  
Introduction to Earth Science  
Mapping the Earth  
Minerals  
Rocks  
Earth's Energy Resources  
Changing Earth  
Plate Tectonics  
Earthquakes  
Volcanoes  
Weathering and Soil Formation  
Erosion and Deposition  
A Trip Through Geologic Time  
Earth's Waters  
Fresh Water  
Ocean Motions  
Ocean Zones  
Cumulative Exam

### Earth Science B

Length: 1 semester (0.5 credits)

Units:

Weather and Climate  
The Atmosphere  
Understanding Weather  
Climate  
Astronomy  
Earth, Sun, and Moon  
The Solar System  
Stars and Galaxies  
Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Science



## **SCI 2A & 2B: Biology**

This is a two part class that can be taken as a full year or one semester class. Biology engages students in the study of life and living organisms and examines biology and biochemistry in the real world. The course encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, heredity and reproduction, the evolution of life, classification and kingdoms, human body systems, and ecology.



### Biology A

Length: 1 semester (0.5 credits)

Units:

Biology Introduction

Ecology

Cells

Genetics

Evolution of Life

Cumulative Exam

### Biology B

Course Number: ROSC1115B.E2020

Length: 1 semester (0.5 credits)

Total Course Cost: \$150.00 (Tuition Value: \$70.00 + Teacher Fee: \$80.00)

Instructor: Adell Bruns

Units:

Microorganisms and Fungi

Plants

Invertebrates

Vertebrates

The Human Body

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

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# Science

## **SCI 3A & 3B: Physical Science**

This is a two part class that can be taken as a full year or one semester class. Encompassing the branch of science that studies non-living systems, Physical Science is an exciting course that inspires students to explore key concepts and theories, which explain and model a particular aspect of the behavior of nature. Students enrolled in both semesters of this course will examine the forces that govern the chemical building blocks of our physical world and the composition of matter. Additionally, students will explore the properties that affect motion, forces, and energy on Earth. Building on these concepts, the course also covers the dynamic properties of electricity and magnetism and the effects these phenomena exhibit on the planet. A cumulative study of how each of these concepts elicits reactions across the solar system rounds out this dynamic course. Some knowledge of physical science will be helpful.



### Physical Science A

Length: 1 semester (0.5 credits)

Units:

The Nature of Science  
Introduction to Physical Science  
Measurement  
Chemical Building Blocks  
Matter  
Solids, Liquids, and Gases  
Atoms, Elements, and the Periodic Table  
The Structure of Matter  
Chemical Reactions  
Acids, Bases, and Solutions  
Carbon Chemistry  
Motion, Forces, and Energy  
Motion  
Force and Newton  
Forces in Fluids  
Work and Simple Machines  
Energy  
Thermal Energy and Heat  
Cumulative Exam

### Physical Science B

Length: 1 semester (0.5 credits)

Units:

Waves, Sound, and Light  
Waves  
Sound  
Electromagnetic Waves  
Light  
Electricity and Magnetism  
Electricity  
Magnetism  
Using Electricity and Magnetism  
Electronics  
Our Universe, Our Galaxy, Our Earth  
The Universe  
The Solar System  
Planet Earth  
The Atmosphere  
Using Natural Resources  
Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Science



## SCI 4A & 4B: Chemistry

This is a two part class that can be taken as a full year or a semester class. A fascinating look into the composition, structure, and reactions of matter, Chemistry encourages high school students to ask questions about things that occur in nature and determine the underlying chemical compositions that cause these reactions. Students will engage in lessons covering atomic structures, the periodic table, and chemical bonding that will unlock the mysteries of the elements that make up our planet. Compelling course content will challenge students and will inspire further inquiry in more advanced levels of chemistry.

### Chemistry A

Length: 1 semester (0.5 credits)

Units:

Atomic Structure and the Periodic Table

Chemical Bonding

Matter

Acids, Bases, Mixtures, and Solutions

Cumulative Exam

### Chemistry B

Length: 1 semester (0.5 credits)

Units:

Stoichiometry

Chemical Reactions

Nuclear and Electrochemistry

Organic and Biochemistry

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Science



## **SCI 5A & 5B: Environmental Science**

This is a two part class that can be taken as a full year or one semester class. Environmental Science is a captivating and rapidly expanding field, and our courses offer compelling lessons that cover many different aspects of the field: ecology, the biosphere, land, forests, and soil; water, energy and resources, and societies and policy. Presented in an engaging format, high school students will connect scientific theory and concepts to current, real-world dilemmas through unique activities and material, providing opportunities for mastery.

### Environmental Science A

Length: 1 semester (0.5 credits)

Units:

The Scientific Method

Ecology

The Biosphere

The Land

Cumulative Exam

### Environmental Science B

Length: 1 semester (0.5 credits)

Units:

Forests and Soil

The Water

Energy and Resources

Societies and Policy

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Social Studies

## **SS 1B: Alaska Studies**

This project-based, technology-driven Alaska Studies course is a one-semester class designed for juniors and seniors. Students will become familiar with the historic, economic, political, geographic and cultural influences on Alaska, and the ways these forces have shaped modern day Alaskan society. Students will use a variety of resources to learn about the diversity of our state and demonstrate their knowledge through presentations, digital imagery, video, and discussion boards.



Introduction  
Geography  
People  
Natural Resources  
Chronology of Events  
Modern Alaska  
Final Project

**Platform:** *SchoolTown*

**Course Instructor:** *Rene' Martin, Haines Borough School District*

**Course Length:** *One semester*

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# Social Studies

## **SS 2A & 2B: World History**

This is a two part class that can be taken as a full year or one semester class. Beginning with topics from prehistory and culminating in the events of the 21st century, World History A & B provides interactive course content that will challenge high school students to learn about the political, economic, and social aspects of world history. These highly engaging courses encourage students to explore the major revolutions and social movements that have influenced different nations and eventually spread throughout the world. During this course, students will be exposed to a variety of pressing issues that have garnered opportunities for both conflict and cooperation in the modern world.



### World History A

Length: 1 semester (0.5 credits)

Units:

Emergence of the First Civilizations

Rise of New Empires

Beginnings of a Modern World

The First Global Age

Cumulative Exam

### World History B

Length: 1 semester (0.5 credits)

Units:

Enlightenment and Revolution

Imperialism and Democracy

The World at War

The Modern Age

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Contact: [www.aklearn.net](http://www.aklearn.net)  
Kelly Sorensen 907-586-9702  
[kelly@aklearn.net](mailto:kelly@aklearn.net)**



# Social Studies

## **SS 3A & 3B: US History**



This is a two part class that can be taken as a full year or one semester class. Delving into the crucial political, social, economic, and cultural events that have shaped and enriched the history of the United States, US History A & B traces the experiences and effects of important historical and political figures from the early colonial era to the 21st century. Students will explore historical events, such as the Civil War, America's westward expansion, the Great Depression, World War I, World War II, and the Cold War, and determine how each event affected the nation.

### US History A

Length: 1 semester (0.5 credits)

Units:

Three Worlds Meet

Birth of a New Nation

Expansion and Reform

Civil War, Reconstruction, and Western Expansion

Industrialization of the United States

Cumulative Exam

### US History B

Length: 1 semester (0.5 credits)

Units:

The Emergence of Modern America

The Great Depression and New Deal

Postwar United States

Shaping Modern America

Contemporary United States

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Social Studies

## **SS 4A & 4B: US Government**



Providing students with the opportunity to learn about the historical events, philosophers, and topical issues that helped create the democratic foundations of this nation, US Government will introduce students to the founding fathers and expose them to the ideas that shaped the nation. Students will identify important political leaders and trace the development and organization of federal, state, and local government. In addition, students will explain the political process and analyze the United States' role as a global, political, and economic participant. The course specifically targets philosophies and foundations of the United States Government, the organization of the branches of U.S. government, government on a state and local level, and civil liberties and laws. Full of timely and interesting content, the course will inspire students to be citizens that are more informed and equip them to understand the ways the United States compares economically and politically on a global scale.

### US Government A

Length: 1 semester (0.5 credits)

Units:

Foundations of American Government

Participating in Government

The Legislative Branch

The Executive Branch

Cumulative Exam

### US Government B

Length: 1 semester (0.5 credits)

Units:

The Judicial Branch

Civil Liberties and the Law

State and Local Government

Political and Economic Systems

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Social Studies



## **SS 3A & 3B: Human Geography**

This is a two part class that can be taken as a full year or one semester class. Examining current global issues that impact our world today, Human Geography takes a thematic approach to understanding the development of human systems and focuses on human understanding of the world and human social organization.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)



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# Electives



## **ELE 1: Audio Engineering**

Through a series of hands-on Audacity® projects, this introductory audio engineering course teaches students the four main steps of professional recording: recording, editing, mixing, and mastering. Students will learn about Audacity's workspace and tools, tones and waveforms, recording studios and formats, Musical Instrument Digital Interface (MIDI) and Digital Audio Workstations (DAW®), syncing audio, and many other topics relating to the field of audio engineering.

Course Overview

Understanding Sound

Recording Audio

Audio Software Tools

Mics and Mixing

Mastering Sound

Final Test

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)



## **ELE 2: Career Planning and Development**

Introducing upper-level high school students to the working world, EL4222 will provide knowledge and insight necessary to compete in the challenging job market of today. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students will create self-assessment profiles, cover letters, and a résumé that can be used in their educational or career portfolio.

Exploring Careers

Entering the Workforce

Succeeding in the Workplace

Developing Professional Skills

Cumulative Exam

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)



# Electives

## ELE 3: Digital Arts



As students learn and work with Inkscape, they will gain a solid foundation of the basic elements of visual art: line, shape, form, color, value, space, and texture. The students will learn about processes for evaluating artwork, selected artists' works, styles and historical periods, methods of working with color, and many other topics that will help them express themselves in original digital drawings and artwork.

\*Windows operating system required

Units:

Course Overview

Introduction to Digital Art

Lines

Shape and Form

Color

Value

Space

Texture

Final Test

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

## ELE 4: Game Design



In this online class, students will work with the Multimedia Fusion 2® software program to obtain a solid foundation in the fundamentals of game design and development. Each student will create an impressive portfolio of interactive, engaging games such as a classic two-player ping pong game, a block breaking action game, a maze game with moving obstacles, and a variety of others.

\*Windows operating system required

\*Fusion 2 needs to be purchased by the school district (~\$120 or free version available for educators)

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Electives



## **ELE 5: Image Design and Editing**

This introductory design class teaches students the basics of composition, color, and layout through a series of hands-on projects that allow them to use their creativity while learning important foundational skills. Using the program GIMP, students will create a graphic design portfolio with a wide variety of projects to include cropping and colorizing images, tracing photos, creating posters using filters, creating comics with talk bubbles and text, and many other projects that will help them develop the skills they need to create and edit images of their own.

\*Windows operating system required

### **Units:**

- Course Overview
- Crop and Colorize a Photo
- Trace a Photo
- Draw without Tracing
- Use Filters to Make a Poster
- make a Collage
- Make a Single-Panel Comic
- Mask an Image
- Develop Your Selection Skills
- Make a One Word Graphic
- Make an Ad
- Create a Planet
- Reflect an Image
- Final Test

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)



## **ELE 6: Strategies for Academic Success**

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, EL1087 encourages high-school and middle-school students to take control of their learning by exploring varying strategies for success.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

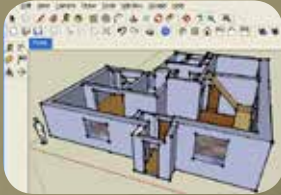
**Course Instructor:** Mark Woodward Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Electives



## **ELE 7: Engineering Design**

This introductory engineering course teaches the basics of computer-aided design: creating geometric forms, interpreting 2D and 3D drawings of objects, and editing isometric and perspective drawings in a 3D CAD environment. As students create a diverse portfolio of projects, they will gain the foundation needed to translate abstract concepts into functional designs. Throughout the course, students will use CAD Standard Lite and Google SketchUp™ software, two versatile free alternatives to more expensive CAD software such as AutoCAD®.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Adell Bruns, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# Career and Technical Education

## CTE 2



### **CTE 2: CLOS 105 Computer Literacy**

This 1-semester high school, 3-university credit, competency-based class will allow students to develop projects that will show 21st Century Skills.

This course introduces computer literacy based on national IC3 standards. It is an entry requirement course in many association and bachelor degree programs at the University of Alaska. Students who take this class will do a pre-assessment that shows what they already know and do. If they have mastered the standards already in a module, they will not have to participate during that time; or they may choose to participate and receive 'advanced' for helping others. Topics include computer concepts, file management, basic editing and formatting functions in common software applications, basic troubleshooting for computer hardware and software, current electronic communication tools, Internet research strategies, and network terminology and components.

**Platform:** SchoolTown    **Cost:** \$150 (Extra fee \$75 for University credit)

**Course Instructor:** Sam McPhetres, Haines Borough School District

**Course Length:** One Semester    **Materials:** Computer & Internet

**Course Access:** Asynchronous (anytime, anywhere)

### **CTE 3: An Introduction to Mining Occupations and Operations**

Students will explore career opportunities and pathways to mining jobs by participating in discussions and presentations of mining occupations by professionals that are currently working in or with the mining industry. After gaining an understanding of how an Alaskan mine operates, the students will tour a mine near their home area to view and discuss the processes with employees of that mine.

This is a dual credit course awarding 3 UAS credits and .5 JDSD credits in Juneau. Other school districts will award the amount of the high school credit as per their basis.

The grade system is based on attendance / participation / homework / quizzes / and a final essay as described in the syllabus.

**Platform:** SchoolTown    **Cost:** Free (Extra fee \$50 for University credit)

**Course Instructor:** Mike Bell, UAS Juneau

**Course Length:** One Semester

**Course Access:** Tues & Thurs 4:15-6:00pm



**Contact:** [www.aklearn.net](http://www.aklearn.net)



# Health



## **HEALTH 1B: Foundations of Personal Wellness**

Exploring a combination of health and fitness concepts, EL2082 is a comprehensive and cohesive course that explores all aspects of wellness.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Materials:** Computer with Internet access



## **HEALTH 2B: Healthy Living**

Encouraging students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others, EL2081 is a one-semester course that provides students with comprehensive information they can utilize to develop healthy attitudes and behavior patterns.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Materials:** Computer with Internet access



## **HEALTH 3B: Lifetime Fitness**

Exploring fitness topics such as safe exercising and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, EL2083 equips high-school students with the skills they need to achieve lifetime fitness.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Mark Woodward, Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

**Materials:** Computer with Internet access

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# World Languages



## WL 1A & 1B: Spanish 1

This is a two part class that can be taken as a full year or a one semester class. Students are introduced to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

## WL 2A & 2B: Spanish 2

This is a two part class that can be taken as a full year or a one semester class. Students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a vocabulary theme and grammar concept, interactive games reinforcing vocabulary and grammar, reading and listening comprehension, speaking and writing, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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# World Languages



## **WL 3A & 3B: French 1**

This is a two part class that can be taken as a one semester or full year class. Students are introduced to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a vocabulary theme and grammar concept, interactive games reinforcing vocabulary and grammar, reading and listening comprehension, speaking and writing, and multimedia cultural presentations covering major French-speaking areas in Europe and the world.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)



## **WL 4A & 4B: French 2**

This is a two part class that can be taken as a one semester or full year class. Students continue their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a vocabulary theme and grammar concept, interactive games reinforcing vocabulary and grammar, reading and listening comprehension, speaking and writing, and multimedia cultural presentations covering major French-speaking areas in Europe and the world.

**Platform:** e2020

**Price:** \$150

**Course Length:** One semester

**Course Instructor:** Ketchikan School District

**Meeting Time:** Asynchronous (material can be completed anytime anywhere)

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