

Fall 2013 Course Catalog



AKLN

Alaska's Learning Network
Making Education More Accessible





Qualifying course
for the Alaska
Performance
Scholarship



AKLN

Alaska's Learning Network
Making Education More Accessible



Course designed
by a Highly
Qualified Alaskan
Educator

	English Course Title	Teacher	District
	LA 9: Composition	Emily Davis	Kake
	LA 10: World Literature	Mark Woodward	Ketchikan
	LA 11: American Literature	Mark Woodward	Ketchikan
	LA 12: British Literature	Mark Woodward	Ketchikan
	Advanced Composition	Mark Woodward	Ketchikan
	SAT Prep	Mark Woodward	Ketchikan
	ACT Prep	Mark Woodward	Ketchikan

	Math Course Title	Teacher	District
	Pre-Algebra	TBA	Ketchikan
	Algebra 1	TBA	Ketchikan
	Algebra 2	TBA	Ketchikan
	Geometry	TBA	Ketchikan
	Financial Math	TBA	Ketchikan
	Math SAT Prep	TBA	Ketchikan
	Precalculus (dual credit)	Doug Carroll	Cordova
	AP Statistics *course still in development	Doug Carroll	Cordova

	SS Course Title	Teacher	District
	Alaska Studies	Rene Martin	Haines
	World History	Mark Woodward	Ketchikan
	US History	Mark Woodward	Ketchikan
	US Government & Politics	Michele Galla	Wrangell
	Geography	Mark Woodward	Ketchikan
	Economics	Mark Woodward	Ketchikan
	Sociology	Mark Woodward	Ketchikan
	Psychology	Mark Woodward	Ketchikan

	Science Course Title	Teacher	District
	Physical Science	Joe Marley	Yukon-Koyukuk
	Earth Science	TBA	Ketchikan
	Biology	Mark Proch	Copper River
	Chemistry	Lisa Thomas	Annette Island
	Marine Biology	Jeff Szarzi	Kenai



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	World Language Course Title	Teacher	District
	Spanish I	TBA	Ketchikan
	Spanish II	TBA	Ketchikan

	Career & Technical Education Course Title	Teacher	District
	Computer Literacy	Sam McPhetres	Haines
	Survey of Emerging Technologies	Tracie Weisz	Alaska Gateway
	Career Planning & Development	TBA	Ketchikan
	Audio Engineering	TBA	Ketchikan
	Digital Arts	TBA	Ketchikan
	Game Design	TBA	Ketchikan
	Image Design & Editing	TBA	Ketchikan
	Engineering Design	TBA	Ketchikan

	Health Course Title	Teacher	District
	Foundations of Personal Wellness	TBA	Ketchikan
	Healthy Living	TBA	Ketchikan
	Lifetime Fitness	TBA	Ketchikan

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907-465-8578
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English



LA 9: English Literature and Composition Skills

English Literature and Composition Skills I (Grade 9)

This introductory English course combines the study of literary genre with a focus on composition skills. Students will learn effective communication skills by focusing on the 6 + 1 Traits of Writing developed by the Northwest Regional Education Laboratories. Oral communication and research skills are included. Materials needed:

Two Old Women by Velma Wallis;

Aleutian Sparrow by Karen Hesse;

Heroes and Heroines in Tlingit-Haida Legend by Mary Beck;

The Education of Little Tree by Forrest Carter

These texts can be borrowed from the State of Alaska library system if they are not already available in the school.



Platform, Course Access: SchoolTown, 24/7

Course Instructor: Emily Davis, Kake School District

Course Length: One year (2 semesters)

Price: \$300

LA 10: World Literature

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.



Platform, Course Access: e2020, 24/7

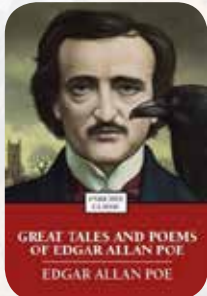
Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One year (2 semesters), or 1 semester.

Price: One year = \$300, One semester = \$150

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Kelly Sorensen 907-465-8578
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English



LA 11: American Literature

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, Course Access: e2020, 24/7

Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300



LA 12: British Literature

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, Course Access: e2020, 24/7

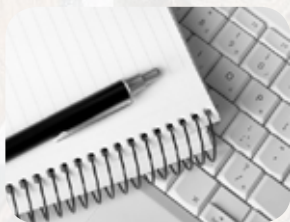
Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300

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English



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, Course Access: e2020, 24/7

Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One semester

Price: One Semester = \$150

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.

Platform, Course Access: e2020, 24/7

Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One semester

Price: One Semester = \$150

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, Course Access: e2020, 24/7

Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One semester

Price: One Semester = \$150

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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.



Platform, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300

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.



Platform, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300

Algebra 2A & 2B

Providing further insight into advanced algebraic concepts, this course serves as an extension of Algebra I. This course 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.



Platform, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300

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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.



Platform, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300

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.

Platform, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300

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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, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan School District

Course Length: One year (two semesters)

Price: Two Semesters = \$300

Math ACT Prep



This course provides students with the opportunity to prepare to successfully complete the ACT college-entrance exam. On-screen teachers demystify the exam with an overview of the exam and its content, as well as, proven test-taking strategies. Practice testes modeled after the ACT exams are used to diagnose and target areas of opportunity. Students are prescribed individualized paths of student success and provided instructional content for review including video-based instruction by highly-qualified teachers, interactive assignments, and regular assessment opportunities to track progress.

Platform, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan School District

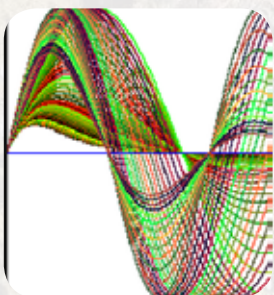
Course Length: One semester

Price: One Semester = \$150

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Math

Pre-calculus, College Algebra, Math 107 (Dual Credit)



(*Prerequisite: Successful completion of Algebra II and Geometry)
This class is a four-credit college course offered through Prince William Sound community College. It requires a \$100 additional fee for the college transcript. This class is the high school equivalent of a one-semester college course in Intermediate Algebra with a Trigonometry component. This course is designed to cover topics in advanced algebra starting with polynomial, rational, logarithmic, and exponential functions as well as an introduction to the complex number system. Trigonometric concepts such as trigonometric functions, analytical trigonometry as well as the law of sines and cosines will also be introduced. Students will then begin learning the fundamentals of linear algebra, matrices, sequences and series, analytic geometry and finish up the course with an introduction to limits and calculus.



During this course students will focus on the use of technology and in addition to having computer and internet technology, it is recommended that each student have a TI-Nspire CX calculator to use during the course and that the software which accompanies this particular calculator be installed on the computer which the student will use. We will add a \$165 for each student for either the use or the purchase of a calculator described above. Most students taking additional math at the university level will need a similar calculator for those courses. If the student no longer wishes to keep the calculator at the end of the course they can send it back to AKLN for a refund less a \$25 dollars for usage.

Platform: Course will be offered asynchronously (anytime) in a Moodle online platform, starting on August 29, 2012 PLUS synchronously Monday, Tuesday & Wednesdays from 7:50 am – 8:40 am. Students who wish to receive University credit (Math 107) will be asked to pay an additional \$100.00 for the four-credit course. (Extra fee \$100 for University credit)

Course Instructor: Doug Carroll, Cordova City School District

Materials: TI-Nspire CX calculators,
Plus two online course textbooks (free):

Precalc Stitz: http://stitz-zeager.com/Precalculus/Stitz_Zeager_Open_Source_Precalculus.html

Precalc Lippman: <http://www.opentextbookstore.com/precalc/>

Platform, Course Access: SchoolTown, 24/7

Course Instructor: Doug Carroll, Cordova City School District

Course Length: One year (two semesters)

Price: Two Semesters = \$300 + \$100 fee for college transcript

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Social Studies

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, Course Access: SchoolTown, 24/7

Course Instructor: René Martin, Haines Borough School District

Course Length: One semester

Price: One Semester = \$150

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.

Platform, Course Access: e2020, 24/7

Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300

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Social Studies

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.



Platform, Course Access: e2020, 24/7

Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300

US Government and Politics



This course uses We The People , Foundations of Democracy and Project Citizen materials (designed by the Center for Civic Education, the Center on Congress and the National Center for State Legislatures, funded by the US Congress and the US Department of Education) to provide an online and interactive distance delivery course which teaches all Alaska EED Content Standards for Government and Citizenship. Students will also compare our constitutional republic to other nations, both contemporary and historical as well as reflect on government and citizenship issues in current events locally, statewide, nationally and internationally.



The first semester will be spent learning and understanding the full contents and context of the US Constitution, including the Preamble, Articles I-VII and the 27 Amendments through their background history, goals and effects on students' day-to-day lives. During the third quarter, we'll examine the foundational principles of democracy, including authority, privacy, responsibility and justice as they relate to the students individually and as citizens. Fourth quarter is devoted to understanding how local, state, and federal governments work together to establish policy and how citizens can work actively to improve policies in ways that are relevant and matter to them personally. The course culminates in a student-completed Project Citizen presentation.

Platform, Course Access: SchoolTown, 24/7

Course Instructor: Michele Galla, Wrangell Public Schools

Course Length: One year (two semesters)

Price: \$300

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Social Studies



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, Course Access: e2020, 24/7

Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300



Economics

Presenting timely and engaging content, Economics provides students with an understanding of the principles of economics. Interactive lessons allow students to apply the key microeconomic concepts of supply and demand as well as the role of prices as they become familiar with how markets work. This course targets important aspects of the world economy, including international trade and global economic challenges, and encourages students to apply the economic way of thinking to a variety of situations relevant to their everyday lives.

Platform, Course Access: e2020, 24/7

Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One semester

Price: \$150



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Social Studies

Psychology



This two-semester course, which is divided into semesters A & B, introduces high school students to the study of psychology and helps them master fundamental concepts in research, theory, and human behavior. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field. Course components include an introduction to the history, perspectives, and research of psychology; an understanding of topics such as the biological aspects of psychology, learning, and cognitive development; the stages of human development; aspects of personality and intelligence; the classification and treatment of psychological disorders; and psychological aspects of social interactions. When you log into the Virtual Classroom, you can view the entire course map, which provides a scope and sequence of all topics you will study. Clicking a lesson's link in the course map leads to a page listing instructional activities, assignments, and learning objectives specific to that lesson.

Platform, Course Access: e2020, 24/7

Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One year (two semesters), or one semester

Price: One Semester = \$150, Two Semesters = \$300

Sociology



Providing insight into the human dynamics of our diverse society, EL1120 is an engaging one-semester course that delves into the fundamental concepts of sociology. This interactive course, designed for high-school students, covers cultural diversity and conformity, basic structures of society, individuals and socialization, stages of human development as they relate to sociology, deviance from social norms, social stratification, racial and ethnic interactions, gender roles, family structure, the economic and political aspects of sociology, the sociology of public institutions, and collective human behavior, both historically and in modern times.

When you log into the Virtual Classroom, you can view the entire course map, which provides a scope and sequence of all topics you will study. Clicking a lesson's link in the course map leads to a page listing instructional activities, assignments, and learning objectives specific to that lesson. The units of study are summarized below.

Platform, Course Access: e2020, 24/7

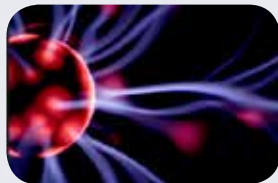
Course Instructor: Mark Woodward, Ketchikan School District

Course Length: One semester

Price: \$150

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Science



Physical Science

Physical Science is a comprehensive course that covers 12 topics of Physical science. The first semester will focus on basic chemistry by teaching the following areas: systems of measurement; properties of matter; structure of matter; classifying elements; compounds; and how matter changes. The second semester will focus on basic physics by teaching the following areas: motion; work and machines; heat: sound and light; electricity; and magnets and electromagnetism. This course is designed to meet the State of Alaska Performance and Content Standards as well as the GLEs, and the National Core Standards. Students will be expected to complete 4 projects in physical science. Each project will center on small building blocks learned while completing individual modules. Students will be given the opportunity at the beginning of each module to show competency in the objectives of that module. If they do so they may skip that module. The projects will require students to utilize the scientific method, background knowledge provided by modules and k-8 science curriculum, as well as their own insight, creativity, and problem solving skills.



Platform, Course Access: SchoolTown, 24/7

Course Instructor: Joe Marley

Course Length: One year

Price: \$300

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.



Platform, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan School District

Course Length: One year, or one semester

Price: Full year = \$300, One semester = \$150

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Science

Biology



eBiology is an on-line biology course that makes use of technology, student curiosity, and hard work to help students master important concepts in the study of biology. The course will include units on: cells, cell processes, genetics, ecosystems, the human body, and taxonomy. Each of these units will help insure students will meet the Alaska Science Content Standards and GLEs in Life science while also providing both an engaging and challenging curriculum.

Platform: SchoolTown, 24/7

Course Instructor: Mark Proch, Copper River School District

Course Length: One year (2 semesters)

Price: \$300



Chemistry



Introduction to the basic principles of chemistry including: atomic and molecular structure, bonding, chemical reactions, stoichiometry, thermodynamics and states of matter. Throughout the course, students will be actively engaged in activities that will enhance their ability to describe, explain, and predict phenomena enhancing their scientific skills. This course will also implement constructive learning activities that move on a continuum from guided inquiry to open ended inquiry to reinforce principles. In addition, an optional hands-on lab kit (if needed) will be available for purchase with this course.

Platform: SchoolTown, 24/7

Course Instructor: Lisa Thomas, Annette Island School District

Course Length: One year (2 semesters)

Price: \$300



Marine Biology



This Marine Biology course is built on the foundation of other science courses and will give students the science skills necessary for marine specific life science related careers. Marine biology like all biology courses includes inquiry-based and hands-on instruction that will engage students in problem solving, decision-making, critical thinking, and applied learning. The course will focus on Alaska relevant topics in its exploration of the marine science concepts.

Platform: SchoolTown, 24/7

Course Instructor: Jeff Szarzi, Kenai Peninsula Borough School District

Course Length: One year (2 semesters)



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World Languages



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, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan School District

Course Length: One year, or one semester

Price: Full year = \$300, One semester = \$150

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, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan School District

Course Length: One year, or one semester

Price: Full year = \$300, One semester = \$150

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Career & Technical Education



CIOS 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, Course Access: SchoolTown, 24/7

Course Instructor: Sam McPhetres, Haines Borough School District

Course Length: One Semester

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



Survey of Emerging Technologies

This class will explore the various ways students can lead a safe and productive life online, while personalizing technology to suit their needs. The emphasis is not on learning specific software, but rather on consuming, creating, collaborating and contributing online content through the use of digital tools (this includes online web tools, software, and digital devices). Students should become critical users of tools and content. The class will explore categories of digital tools and some specific examples of those tools that can be used for these purposes. Materials - Computer with internet access and a USB drive, USB stick, digital camera (this can be a phone camera, tablet camera, the web cam on a laptop - anything that can take digital photos and short videos)

Platform, Course Access: SchoolTown, 24/7

Course Instructor: Tracie Weisz, Alaska Gateway School District

Course Length: One Year

Cost: \$300

**Contact: www.aklearn.net
Kelly Sorensen 907-465-8578
EED.AKLN@alaska.gov**

Career & Technical Education



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, Course Access: e2020, 24/7
Course Instructor: TBA, Ketchikan Borough School District
Course Length: One Semester
Cost: \$150



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, Course Access: e2020, 24/7
Course Instructor: TBA, Ketchikan Borough School District
Course Length: One Semester
Cost: \$150

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Career & Technical Education

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

Platform, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan Borough School District

Course Length: One Semester

Cost: \$150

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, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan Borough School District

Course Length: One Semester

Cost: \$150

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

Platform, Course Access: e2020, 24/7

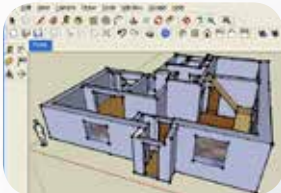
Course Instructor: TBA, Ketchikan Borough School District

Course Length: One Semester

Cost: \$150

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Career & Technical Education



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, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan Borough School District

Course Length: One Semester

Cost: \$150

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Health



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, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan Borough School District

Course Length: One Semester

Cost: \$150



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, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan Borough School District

Course Length: One Semester

Cost: \$150



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, Course Access: e2020, 24/7

Course Instructor: TBA, Ketchikan Borough School District

Course Length: One Semester

Cost: \$150

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