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If the Alaska Performance Scholarship (APS) logo is next to a course this means that the course is APS certified.



All AKLN courses are created by Alaskan teachers for Alaskan students.

ENGLISH	
Eng 1 : Literacy and Comprehension 1	Eng 2 : Literacy and Comprehension 2
  Eng 3 : Composition	  Eng 4 : World Literature
 Eng 5 : American Literature	 Eng 6 : British Literature
 Eng 7 : Advanced Composition	
MATH	
 Math 1 : Pre-Algebra	 Math 2 : Algebra I
 Math 3 : Algebra II	 Math 4 : Geometry
Math 5 : Financial Math	  Math 6 : Pre-Calculus
SCIENCE	
 Sci 1 : Earth Science	  Sci 2 : Physical Science
  Sci 3 : Biology	  Sci 4 : Marine Biology
  Sci 5 : Chemistry	  Sci 6 : Environmental Science (limited to participants at the GIS Camp)
SOCIAL STUDIES	
 SS 1 : American History	 SS 2 : World History
 SS 3 : Geography	 SS 4 : Economics
  SS 5 : US Government and Politics	  SS 6 : Alaska Studies (1 st semester only)
  SS 7 : Alaska Studies (2 nd semester only)	
CAREER & TECHNICAL EDUCATION	
 CTE 1 : CIOS 105 Computer Literacy* (1 st semester only)	 CTE 2 : CIOS 105 Computer Literacy* (2 nd semester only)
 CTE 3 : Survey of Emerging Technologies	
CTE 4 : Strategies for Academic Success	CTE 5 : Career Planning & Development
FINE ARTS	
  FA 1 : Creative Writing (limited to participants at the Sitka Fine Arts Camp)	FA 2 : Digital Arts I
FA 3 : Digital Arts II	FA 4 : Image Design & Editing

FA 5 : Game Design	FA 6: Audio Engineering
ELECTIVES	
ELE 1 : Health	ELE 2 : SAT Virtual tutor
ELE 3 : ACT Virtual Tutor	
WORLD LANGUAGES	
 WL 1: French I	 WL 2: French II
 WL 3: Spanish I	 WL 4: Spanish II

English

ENG 1 : Literacy and Comprehension I

This course uses a thematic and contemporary approach to expose students to effective reading strategies and high-yield vocabulary using diverse content-area and real-world texts.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)

ENG 2 : Literacy and Comprehension II

This course builds on writing skills and increases capacity for higher-level technical writing skills for a variety of career pathways. Content includes diverse and real-world texts.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



ENG 3: Composition:

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: Moodle, 24/7

Course Instructor: Emily Davis, Kake School District

Course Length: One year (2 semesters)



ENG 4: World Literature and Composition Skills II (Grade 10)

This intermediate English course incorporates the study of world literature along with a continued focus on composition skills. Students will read, reflect, synthesize, and respond to several different types of world literature. A research paper is required.

Platform: Moodle, 24/7

Course Instructor: Chad Gerlach, Copper River School District

Course Length: One year (2 semesters)

Prerequisites: ENG 1: Comp I



ENG 5 : American Literature

Focusing on American Literature, LA1093 takes students on a journey spanning from slave narratives to contemporary literature.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



ENG 6 : British Literature

Covering an interesting and expansive time period, this course offers fascinating insight into British literary traditions that spans from Anglo-Saxon writing to the Modern Period.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



ENG 7 : Advanced Composition

IDEA Writing

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

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)

Math

MATH 1: Pre-Algebra

This course builds upon the essential skills of arithmetic as they apply to algebra. Real numbers and linear equations, linear inequalities, factoring, fractions, graphing and some elements of geometry are stressed. This two-semester course will meet weekly through video conference (students will need access to a Polycom or Tannenberg through GCI; or they may choose to view the recorded web-based class at a different time); students will be using the *Saxon Algebra 1/2* textbook, a nationally recognized pre-algebra textbook that is aligned with national 8th grade math standards.

Platform: Moodle & Video Conferencing (vtc), Mondays, 9:00 – 9:50 am weekly

Course Instructor: Eric Hart, Chatham School District

Course Length: One year (2 semesters)





MATH 2: Algebra I

Challenging students' mastery of learned Algebraic skills, this course 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 application of learned skills to real world problems.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



MATH 3 : Algebra II

Providing further insight into advanced Algebraic concepts, this two-semester course serves as an extension of Algebra I.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



MATH 4 : Geometry

Offering a hands-on approach to instruction, this course 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.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)

MATH 5 : Financial Math

Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



MATH 6: 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-](http://stitz-zeager.com/Precalculus/Stitz_Zeager_Open_Source_Precalculus.html)

[zeager.com/Precalculus/Stitz_Zeager_Open_Source_Precalculus.html](http://stitz-zeager.com/Precalculus/Stitz_Zeager_Open_Source_Precalculus.html)

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

Course Length: One year (2 semesters)

Science



SCI 1 : Earth Science

Students enrolled in this dynamic course will explore the scope of Earth sciences, 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.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



SCI 2: 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: Moodle, 24/7

Course Instructor: Joe Marley, Yukon-Koyukuk School District

Course Length: One year (2 semesters)



SCI 3: eBio, 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: Moodle, 24/7

Course Instructor: Mark Proch, Copper River School District

Course Length: One year (2 semesters)



SCI 4: 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: Coursesites.com (a division of Blackboard), 24/7

Course Instructor: Jeff Szarzi, Kenai Peninsula Borough School District

Course Length: One year (2 semesters)



SCI 5: 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: Moodle, 24/7

Course Instructor: Lisa Thomas, Annette Island School District

Course Length: One year (2 semesters)



SCI 6: Environmental Studies: Geospacial Technologies

Students will enroll as a team of 3: 2 students and 1 teacher from their school who will return and complete a place-based project at their community together. Students will travel with their teacher to Seward, Alaska the week of August 6-10, 2012 to learn how to use geospacial technology and apply it within their project. The online course will

www.aklearn.net

follow the week-long camp, with students working with their on-site teacher and AKLN teacher to develop and present a project relevant to their community. Space is available through application only.

Platform: Moodle, 24/7

Course Instructor: Denyse Hurst, Kenai Peninsula Borough School District

Course Length: 1 semester

Social Studies



SS 1 : American History

Delving into the crucial political, social, economic, and cultural events that have shaped of important historical and political figures from the early colonial era all the way to the influential American leaders of the 21st century.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



SS 2 : World History

inspire them to learn about the political, economic and social aspects of world history, beginning with topics from prehistory and culminating in the events of the 21st century.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



SS 3 : Human Geography

Examining current global issues that impact our world today, this course takes a thematic approach to understanding the development of human systems and focuses on human understanding of the world and human social organization.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



SS 4 : Economics

Presenting timely and engaging content, this course provides 12th grade students with an understanding of the foundational principles of economics. Interactive lessons allow students to apply the key microeconomic concepts of supply, demand and the role of prices as they become familiar with how markets work.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



SS 5: 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: Moodle, 24/7

Course Instructor: Michele Galla, Wrangell Public Schools



SS 6 & 7: Alaska Studies*(One Semester)

This course is designed for juniors and seniors. We are going to spend the semester exploring the history, people, and economy of what makes Alaska unique. As we begin this journey together, think about why Alaska has held such a mystique and fascination for folks to visit. In this course, rather than primarily "reading" about history from one textbook, you will be using many primary and secondary source materials to uncover Alaska's history, geography, and many cultures. In your previous study of history, you should have covered the difference between a primary source, which is a photograph or artifact or document from a person who was at the historical "event" at the time; and a secondary source, which is from someone who was not necessarily there, but perhaps studied or read the primary sources. The history provided in this course is from both primary sources and secondary sources. It will benefit your perspective to think about this as you read both kinds of sources and develop your conclusions. In addition, instead of trying to "cover" everything in depth, we will "post-hole" important events and trends in Alaska, digging deeper into various topics.

Platform: SchoolTown, 24/7

Course Instructor: Rene' Martin, Haines Borough School District

Length: One semester

Career and Technical Education



CTE 1 & CTE 2: CIOS 105 Computer Literacy * (One Semester)

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, 24/7 (Extra fee \$75 for University credit)

Course Instructor: Sam McPhetres, Haines Borough School District

Course Length: One Semester each



CTE 3: 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: Moodle, 24/7

Course Instructor: Tracie Weisz, Alaska Gateway School District

Course Length: One year

CTE 4 : Strategies for Academic Success

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

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)

CTE 5 : Career Planning & Development

Introducing upper-level high-school students to the working world, this course 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.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)

Fine Arts



FA 1: Creative Writing: Sitka Fine Arts Camp

This year-long course is for students who attend the Sitka Fine Arts Camp and would like to expand their experience. Following up online, students will be in a cohort of no more than twenty other students to learn how to effectively communicate, through writing, how the arts affects their lives and community.

Platform: Moodle, 24/7

Course Instructor: Hillary Seeland, Sitka School District

Course Length: One semester

FA 2 : Digital Arts I

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. They 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.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One semester

FA 3 : Digital Arts II

In part II of this online class, students will continue to use Inkscape as they learn about the principles and elements of art and design. By the end of this course, each student will have created a unique portfolio of digital artwork, including repeating images to be used as a computer's desktop background, a logo with text, two images scaled proportionally to one another, and a poster image and layout.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One semester

FA 4 : Image Design & 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.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One semester

FA 5 : 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.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One semester

FA 6 : 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, MIDI and DAW, syncing audio, and many other topics relating to the field of audio engineering.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One semester

Electives

ELE 1 : Health

The Health Bundle from e2020 includes the following sections.

Lifetime Fitness

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

Healthy Living

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

Foundations of Personal Wellness

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

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: 1 semester

ELE 2 : ACT Virtual Tutor

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, particularly in the math and science fields. The Virtual Tutor SAT preparation courses are designed to prepare students to succeed on all sections of the ACT. These customizable courses include ACT-Math Bundle, ACT-Reading Bundle, ACT-Writing, ACT-English Bundle and ACT-Science. In addition to reviewing and drilling reading, writing and math and science concepts, 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: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)

ELE 3 : SAT Virtual Tutor

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 Scholastic Achievement Test (SAT) gives students an edge when considering post-secondary options. The Virtual Tutor SAT preparation courses are designed to prepare students to succeed on all sections of the SAT. These customizable courses include SAT-Math Bundle, SAT-Critical Reading Bundle, and SAT-Writing. In addition to reviewing and drilling reading, writing and math concepts, the courses also teach essential test-taking strategies that students need to know to excel on the SAT with as little stress as possible.

Platform: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)

World Languages



WL 1 : French I

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: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



WL 2 : French II

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: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



WL 3 : Spanish I

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: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)



WL 4 : Spanish II

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: Blackboard, 24/7

Course Instructor: E2020, Ketchikan School District

Course Length: One year (2 semesters)
