

UPDATED for COVID-19 school planning

2020-21 Kodiak High School Course Description Catalog

Career Technology And Electives

Advanced Photography *Grade Level(s): 11-12; Year-long course*

Prerequisite(s): Beginning Photography; Teacher recommendation required. Students must lease a digital SLR camera from KHS. This course is repeatable for additional credit, but requires teacher approval. Course fee \$30.

This course in Digital Photography is designed to develop your skills in pixel based photographic design and printing. The dream of film-less photography has finally become a reality. Printers, inks and paper have evolved that are able to not only match traditional continuous tone photographic quality but can also extend traditional possibilities. Many darkroom activities are made easier and more powerful in the digital realm. Topics include manipulation of photographic images in a digital format, digital asset management, digital workflow, cropping, tone and color correction, selection techniques, masking, colorization, image enhancement and sharpening techniques.

Audio/Video Production *Grade Level(s): 11-12; Year-long*

Prerequisite(s): Multimedia CIOS, Photo or teacher recommendation This course is repeatable for additional credit, but requires teacher approval. Course fee \$30.

The Craft of Editing with Apple Final Cut Pro and Adobe software. The emphasis of this class is hands on training to help you start editing at a professional level. Students will write scripts, create storyboards and program a/v clips for business, entertainment and educational purposes. The course also covers advanced post production techniques including but not limited to: Adobe After Effects (Special Effects/Compositing), Logic (Music/Sound Production) and Professional Outputs with Compressor/Media Composer/DVD Studio Pro/Encore. *Students may work their way towards industry certification opportunities.*

Beginning Photography *Grade Level(s): 10-12 (Upper classmen given priority); Year-long course*

Prerequisite(s): Requires commitment of leasing a Digital SLR camera from Kodiak High School. Students will be responsible for loss and/or damage. Course fee \$30.

Introduces the fundamentals, concepts and applications of digital imaging techniques, including basic digital camera fundamentals, enhancing images and creating images for use in print or on the web. Students will learn how to manipulate a Digital SLR camera, how to see and appreciate light in a new way and how to apply the skills that normally took place in a darkroom to a new modern "Digital Darkroom"...Adobe Photoshop/Lightroom. By course completion, the students should know how to make images important and powerful in their own right, rather than merely "taking pictures."

Business Entrepreneurship 1- *Grade Level(s): 9-12; Year-long course*

Prerequisite(s): None

This course covers the foundations of running a business, including customer relations, finance and accounting, human resources, information management, marketing, operations, project management, and quality management. It also covers fundamental economic principles and the role of the entrepreneur in American and global business.

Business Entrepreneurship 2- *Grade Level(s): 10-12; Year-long course*

Prerequisite(s): Business and Entrepreneurship 1

This course goes deeper into business basics, including entrepreneurship, economics, business law, and ethical and social responsibility. But the course also focuses on the creation of an actual marketing plan for a product and on the creation of an actual business plan for the student's own business idea.

Cadet Teaching *Grade Level(s): 10-12; Year-long course*

Prerequisite(s): Intro to Education

This is a course for those who have completed Intro to Education and want more classroom field experience time. The focus will be on observing master teachers and their practice, assisting them in their duties, and reflecting on the tools & techniques that optimize the classroom culture and instruction.

Certified Nursing Assistant (CNA) *Grade Level(s): Students must be 16 years or older; Semester-long*

Prerequisite(s): By application only. Applications available in counseling office.

This course provides instruction on utilizing a humanistic approach to provide basic care to people in a variety of health care settings. Students will understand how health care systems operate and will learn the skills necessary to function safely and efficiently in a health care setting. Students will learn the information and practical skills necessary for taking and passing the certification exam required by the state.

Cosmetology *Grade Level(s): 9-12; Year-long course*

Prerequisite(s): None.

Successful Cosmetology 1 students will be able to demonstrate the following skills: Shampooing and Conditioning, thermal styling, braiding. Time permitting the student will also become proficient in facials, manicures, women's haircutting, and permanent waving. Future professionals will have a working knowledge of the structure of hair, nails, and skin. As future professionals the student will learn to recognize diseases and disorders of the hair nails and skin as well as infection control. Students will gain an understanding of sterilization, sanitation, bacteriology, state laws/regulations, and salon management.

Educational Practices *Grade Level(s): 11-12 Year-long course*

Prerequisite(s): Intro to Education

This class is for those who want to continue a career pathway in the field of education. It will include a year-long cadet teacher field experience with active involvement in classroom, including working with students, designing & teaching lessons and assessments.

Introduction to Computer Coding *Grade Level(s): 9-12 Year-long course*

Prerequisite(s): None

This course is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course is designed to focus on the conceptual ideas of computing and helps students understand why certain tools or programming languages might be utilized to solve

particular problems. Students will be introduced to interface design as well as learn about current programming languages to design apps, solve problems, and code.

Intro to Education *Grade Level(s): 11-12; Year-long course. Offered for dual credit. EDFN A101 at UAA-Kodiak College*

Prerequisite(s): None.

Dual-Credit introductory course for students exploring education as a possible career choice. Covers the history of American education, an examination of contemporary issues in education, and basic classroom observational techniques. Students self-assess personal profile against characteristics of effective teachers. Course includes field experience.

Introduction to Information Technology *Grade Level(s): 9-12 Year-long course*

Prerequisite(s): None

This course is designed to give the learner knowledge on how a computer and the operating system function. Students will work in teams to build a computer from the ground up. The student will gain knowledge on how to properly install, configure, upgrade, troubleshoot and repair microcomputer hardware. This includes a basic knowledge of desktop and portable systems, basic networking concepts, and printers.

Multimedia *Grade Level(s): 10-12; Second semester only Offered for dual credit. CIOS A255 at UAA-Kodiak College*

Prerequisite(s): Intro to Multimedia (first semester).

This second semester course is a continuation of Introduction to Multimedia and will continue the focus of studies in graphic design. Semester 2 covers an introduction to executing vector-based illustration using Adobe Illustrator. Topics include navigation of the interface, the tools, drawing and manipulating basic objects, creating and manipulating type, drawing with the pen tool, applying color, using layers and an introduction to Adobe Flash software. Topics include the integration of graphics, text, audio and video into animated and interactive Web presentations. Students will use their creativity and skills to create and edit interactive multimedia presentations, digital images, sound, and movies, and will be introduced to animation and web pages. The knowledge and skills acquired in this class will enable students to successfully perform and interact in today's technology-driven society. *Students may work their way towards industry certification opportunities.*

Textile Art: Quilting 1, 2 *Grade Level(s): 9-12; Semester or Year-long course*

Prerequisite(s): None.

Students will design and construct several quilts from beginning to end. Topics covered will include: safe use of a sewing machine and other quilting tools, basic maintenance of a sewing machine, appropriate fabric, thread and color selection, piecing, borders, backing, machine quilting and binding. Geometric topics of Transformations and Tessellations will be integrated into the process.

Welding I *Grade Level(s): 9-12; Year-long course*

Prerequisite(s): Students are required to provide their own safety glasses, welding gloves, welding helmet and coveralls. Offered for dual credit. Course Fee is \$30 Per semester (includes cost of OSHA card)

Students will learn the basic theory and practice of fusing ferrous metals. Shielded Metal Arc Welding (SMAW) is the process emphasized. Students gain experience with a selection of welded joint designs and a variety of electrodes. Standard industrial safety procedures are stressed.

Welding II *Grade Level(s): 10-12; Year-long course*

Prerequisite(s): Welding I; Teacher recommendation required. Offered for dual credit. Students are required to provide their own safety glasses, welding gloves, welding helmet and coveralls. Course Fee is \$30 Per semester

Students will learn the basic theory and practice of fusing ferrous metals. Gas Metal Arc Welding (GMAW) are the processes emphasized. Students gain experience with a selection of welded joint designs. Standard industrial safety procedures are stressed.

Welding III *Grade Level(s): 11-12; Year-long course*

Prerequisite(s): Welding II; Teacher recommendation required. Offered for dual credit. Students are required to provide their own safety glasses, welding gloves, welding helmet and coveralls. Course Fee is \$30 Per semester.

Students continue learning the theory and practice of ferrous and non-ferrous metal fusion. Shielded Metal Arc Welding and Gas Metal Arc Welding are two of the processes emphasized. Students will also use oxygen-acetylene and plasma- arc cutting systems. Projects in both steel and aluminum will develop design, layout and fabrication skills. Career opportunities in welding and related technical fields are explored. Standard industrial safety procedures are stressed.

Welding IV *Grade Level(s): 12; Year-long course*

Prerequisite(s): Welding III; Teacher recommendation required. Offered for dual credit. Students are required to provide their own safety glasses, welding gloves, welding helmet and coveralls. Course Fee is \$30 Per semester.

This class prepares students to attend post-secondary education in the field of welding. Students will gain introductory experience in Oxy-Acet and Tig Welding. They will also be introduced to basic CAD and blueprint reading to include welding symbols. Students will be introduced to metallurgy and how it applies to the welding process. A final project will be completed to apply the skills learned throughout their time in welding.

Yearbook *Grade Level(s): 10-12; Year-long course*

Prerequisite(s): Multimedia and/or photography strongly suggested. Application and interview required. This course is repeatable for additional credit, but requires teacher approval.

This publication course produces the KHS Channel Light. Admission is by application and teacher approval. Students may specialize in layout, photography, business management, computer technology, advertising and sales, writing and editing or art. Skills in Adobe Photoshop and Adobe InDesign are very helpful. Students are selected on the basis of the capacity to work independently, creatively and responsibly. Interpersonal skills, technical skills, dedication and positive attitude are also important criteria used in the selection process. Staff must be prepared to put in time outside of the regular school day.

English Language Acquisition Program

English Language Acquisition Program (ELAP) *Grade Level(s): 9-12. Placement by ELAP teacher only.*

ELAP is designed for students who are within their first few years of English language development. Students in this class will work on Basic Interpersonal Communication Skills, and further develop their reading, writing, speaking, and listening skills.

Fine Arts

AP Studio Art: 2-D Design *Grade Level(s): 11-12; Year-long course*

Prerequisite(s): Art III or teacher recommendation required (Advanced Art is recommended, but not required) Course Fee is \$40. Additional course fee is required for the AP exam.

Students will expand their two-dimensional design skills and advance their visual communication skills by exploring a variety of design processes and techniques, as well as compositional and aesthetic concepts. Students will produce a minimum of 24 works that satisfy the requirements of the quality, concentration, and breadth sections of the AP Studio Art: 2-D Design Portfolio. Students will participate in monthly class critiques. Sketchbooks will be used throughout the year for note taking, completing reflections and doing practice sketches. (sketchbooks will be provided). Students also create a digital portfolio.

AP Studio Art: 3-D Design *Grade Level(s): 11-12; Year-long course*

Prerequisite(s): Art III or teacher recommendation required (Advanced Art is recommended, but not required) Course Fee is \$40. Additional course fee is required for the AP exam.

Students will expand their three-dimensional design skills and advance their visual communication skills by exploring a variety of design processes and techniques, as well as compositional and aesthetic concepts. Students will produce a minimum of 18-20 works that satisfy the requirements of the quality, concentration, and breadth sections of the AP Studio Art: 3-D Design Portfolio. Students will participate in monthly class critiques. Sketchbooks will be used throughout the year for note taking, completing reflections and doing practice sketches. (sketchbooks will be provided). Students will create a digital portfolio.

AP Studio Art: Drawing *Grade Level(s): 11-12; Year-long course*

Prerequisite(s): Art III or teacher recommendation required (Advanced Art is recommended, but not required) Course Fee is \$40. Additional course fee is required for the AP exam.

Students will expand their drawing and two-dimensional design skills and advance their visual communication skills by exploring a variety of design processes and techniques, as well as compositional and aesthetic concepts. Students will produce a minimum of 24 works that satisfy the requirement of the quality, concentration, and breadth sections of the AP Studio Art: Drawing Portfolio. Students will participate in monthly class critiques. Sketchbooks will be used throughout the year for note taking, completing reflections and doing practice sketches. (sketchbooks will be provided).

Art I *Grade Level(s): 9-12; Semester or Year-long course*

Prerequisite(s): None; Course Fee is \$20 per semester

This class teaches the basics of drawing, color theory, painting and sculpture. Students will learn about the elements and principles of design, while working on teacher directed and students directed projects. Students will gain a basic understanding of the art history timeline, as well as cultural influences on art. Sketchbooks will be used throughout the year for taking notes, completing reflections and doing practice sketches. (sketchbooks will be provided).

Art II *Grade Level(s): 10-12; Semester or Year-long course*

Prerequisite(s): Art I or Teacher recommendation required. Course Fee is \$20 per semester

This class will focus more on the principles of design, while introducing students to different art mediums in the area of drawing, 2-d and 3-d design. This class will provide the students more opportunities to push their creativity and practice their artistic skills. Students will be given problems to solve related to principles of designs, using particular mediums. Students will also be given the opportunity to study in more depth certain artists and cultural arts. Sketchbooks will be used throughout the year for note taking, completing reflections and doing practice sketches. (sketchbooks will be provided).

Art III *Grade Level(s): 11-12; Semester or Year-long course*

Prerequisite(s): Art II or Teacher recommendation required. Course Fee is \$20 per semester

This class will give students the opportunity to engage more in visual problem solving, encouraging creative thinking and cooperative learning. Students will use advanced art techniques to express themselves and their relationships to their families, cultures, society and the world. Students will also be given the opportunity to study in more depth certain artists and cultural arts. Sketchbooks will be used throughout the year for note taking, completing reflections and doing practice sketches. (sketchbooks will be provided).

Independent Study Art *Grade Level(s):11-12th Semester or Year-long course*

Prerequisite(s): Art III or teacher recommendation required. Course Fee \$20 per semester

This class will allow serious art students to create an individual learning program to further their art study. Students will complete two smaller works or one large work each month along with a reflection paper on their work. Students can complete a series of pieces around a single topic of study or they may have a different topic of study for each month. Students will participate in monthly class critiques. Sketchbooks will be used throughout the year for note taking, completing reflections and doing practice sketches. (sketchbooks will be provided).

Concert Band *(OFFERED AFTER SCHOOL HOURS) Grade Level(s): 9-12; Year-long course*

Prerequisite(s): Prior experience with traditional band instrument. This course is repeatable for additional credit, but requires teacher approval.

Students will perform a variety of concert band literature in concerts and at community events. Students, in combination with Jazz Band students, will serve the school community as the performing Pep-Band at various sporting and pep events. Basic music theory, musical composition and music history will be studied. Students will have the opportunity to work on solo/ensemble music and are eligible to participate in the All-State, All-Northwest and Region III/State Solo/Ensemble Music Festivals.

Jazz Band (*OFFERED AFTER SCHOOL HOURS*) Grade Level(s): 9-12; Year-long course
Prerequisite(s): Audition and teacher recommendation required.

Students will perform a variety of jazz band literature in concerts and at community events. Students, in combination with Concert Band students, will serve the school community as the performing Pep-Band at various sporting and pep events. Music theory, basic musical composition, music history will be studied. Students will have the opportunity to work on solo/ensemble music and are eligible to participate in the All-State, All-Northwest and Region III/State Solo/Ensemble Music Festivals.

Orchestra Grade Level(s): 9th grade only; Year-long course
Prerequisite(s): Prior experience with a traditional string instrument. This course is repeatable for additional credit, but requires teacher approval.

Students will study and perform a variety of orchestral literature in concerts and at community events. Basic music theory, musical composition and music history will be studied as required for selected repertoire. Students will have the opportunity to work on solo, ensemble music and are eligible to participate in the ASAA All State Music Festival, the NAFME All-Northwest Conference, the Region III Solo & Ensemble Music Festivals, and the ASAA State Solo & Ensemble Festival.

String Orchestra Grade Level: 10-12; Year-long course
Prerequisite(s) This course is repeatable for additional credit, but requires instructor approval.

This is an intensive performance based class. Students will study and perform a variety of orchestral literature in concerts and at community events. Basic music theory, musical composition and music history will be studied as required for selected repertoire. Students will have the opportunity to work on solo, ensemble music and are eligible to participate in the ASAA All State Music Festival, the NAFME All-Northwest Conference, the Region III Solo & Ensemble Music Festivals, and the ASAA State Solo & Ensemble Festival.

Health

ONLINE ONLY Wellness Health I Grade Level(s) 9-10; Semester Course
Prerequisite(s): None.

This class is based on developing real skills to improve a teenager's self-control of their physical, mental, emotional and spiritual (values) health. The class will take students through 4 major topics: 1) Increasing physical health 2) Personal safety and injury prevention 3) Healthy growth and sexuality 4) Substance use and abuse.

ONLINE ONLY Wellness Health II Grade Level(s): 11-12; Semester course
Prerequisite(s): None.

The major emphasis in Health II is for students to comprehend concepts related to health promotion and disease prevention, analyze the influences on health behaviors, apply thoughtful decision making and self + management skills to enhance health, acquire important life skills, and advocate for personal, family, and community health.

Language Arts

AP Language and Composition *Grade Level(s): 11-12; Year-long course*

*Prerequisite(s): Teacher recommendation required. This class is worth one additional GPA point. **NCAA approved course.** Course fee is required for the AP Exam.*

Students in this introductory college-level course read and carefully analyze a broad and challenging range of nonfiction prose selections, deepening their awareness of rhetoric and how language works. Through close reading and frequent writing, students develop their ability to work with language and text with a greater awareness of purpose and strategy while strengthening their own composing abilities. Course readings feature expository, analytical, personal and argumentative texts from a variety of authors and historical contexts. Students examine and work with essays, letters, speeches, images and imaginative literature. Appropriate scores on the exam are worth college credit at many institutions. AP grades are weighted on a 5.0 GPA scale.

AP Literature and Composition *Grade Level(s) 12; Year-long course*

*Prerequisite(s): Teacher recommendation required. This class is worth one additional GPA point. **NCAA approved course.** Course fee is required for the AP Exam.*

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. AP grades are weighted on a 5.0 GPA scale.

Composition & Literature 9 *Grade Level(s): 9; Year-long course*

*Prerequisite(s): Teacher recommendation. **NCAA approved course.***

This course is a freshman-level course designed to prepare students to analyze and write about literature. The course builds a framework of both cultural and personal awareness through reading, discussing and writing about ideas presented in short stories, poems, plays and novels. Writing assignments will emphasize analysis and organization within the well-developed paragraph and the short essay. Also included are exercises in grammar and the use of literary terms, memorization of poetry and oral presentations of original work.

Composition & Literature 10 *Grade Level(s): 10; Year-long course*

*Prerequisite(s): Comp & Lit 9; Teacher recommendation **NCAA approved course.***

Composition skills are developed through poetry, the expository essay, the formal essay and the research paper. Understanding and analyzing literature is explored through discussion and writing. Grammar and vocabulary lessons occur weekly.

Composition & Literature 11 *Grade Level(s): 11; Year-long course*

*Prerequisite(s): Comp & Lit 10; Teacher recommendation **NCAA approved course.***

This course is a continuation of the skills developed in Comp and Lit 9 and 10 and is designed with the intent of satisfying 11th grade appropriate standards directly correlating to the New Alaska State Standards for Language

Arts. This is a language arts skills-based course, which covers such skills as Reading Informative and Literary texts for key ideas and details and craft and structure. Additionally, students will focus on writing argument as well as informative compositions. Students will complete a study of the conventions of English in order to demonstrate a knowledge of language as well as continually developing vocabulary. Finally, students will perform active speaking, listening, and presentation skills. The content of practice, reading, and assessment will occur during class. Homework is minimal and will be at the discretion of the teacher. This is not a literature course. The focus is on critical thinking, reading, writing and speaking as outlined by the new Alaska State Standards and informed by the Common Core Curriculum.

Composition & Literature 12 *Grade Level(s): 12; Year-long course*
Prerequisite(s): Teacher recommendation required. NCAA approved course.

This course is designed to meet the needs of the motivated student through the study of world literature. Emphasis is on the writing and study skills required in higher thinking. An individualized approach is used in vocabulary expansion and improvement in personal writing style. Analysis of many varieties of literature from several historical periods is the basis of writing assignments.

Honors Comp & Lit 9 *Grade Level(s): 9; Year-long course*
Prerequisite(s): Teacher recommendation required. NCAA approved course.

Honors English Explorations is a demanding, upper-level language arts course designed to challenge talented and highly motivated students in analyzing and writing about literature. The quality and quantity of coursework exceeds other freshman English classes, and includes much extracurricular reading and writing. The coursework includes reading monthly novels independently as well as reading several class novels, a Shakespearian play, presenting oral book reviews, and completing a number of long and short term writing projects. The ability to work in groups is an essential part of this course.

Honors Comp & Lit 10 *Grade Level(s): 10; Year-long course*
Prerequisite(s): Honors Comp & Lit 9 and/or recommendation of previous English instructor. NCAA approved course.

Composition skills are developed through an analytical overview of poetry, the expository essay, the formal essay, the research paper, prose, and plays. There will be an in-depth analysis of two novels, including discussion and writing. Grammar and vocabulary lessons occur weekly.

At least one Shakespeare play will be explored through reading, discussion, writing, and viewing performances of the play. Independent reading and project completion is essential.

Mathematics

9th, 10th, 11th grade students will be placed in math classes based on teacher recommendation and end of year placement test results.

Algebra I *Grade Level(s): 9-12; Year-long course*
Prerequisite(s): C or better in Prealgebra or teacher recommendation required. NCAA approved course. This

course is repeatable for additional elective credit, but requires teacher approval. **This course (or higher) is a district requirement for graduation.**

Algebra I is an introduction to the fundamental concepts of Algebra. Number studies, solving equations, analyzing and graphing linear systems, problem solving, analyzing linear inequalities, linear systems and non-linear equations will be of primary concern in this course.

Algebra II *Grade Level(s): 9-12; Year-long course*

*Prerequisite(s): C or better in Geometry or teacher recommendation required. **NCAA approved course.** This course is repeatable for additional elective credit, but requires teacher approval.*

A comprehensive review and extension of all basic fundamentals taught in Algebra I. Areas of study will include linear functions, systems of equations, quadratic functions, polynomial functions, radical functions, exponential functions, logarithmic functions, rational functions, and trigonometric functions.

AP Calculus *Grade Level(s): 11-12; Year-long course*

*Prerequisite(s): C or better in Pre-Calculus or teacher recommendation required. This class is worth one additional GPA point. **NCAA approved course.** Course fee is required for the AP exam.*

This is an introduction to differential and integral calculus. Application is emphasized. Theory and formal proofs are dealt with on an elementary level. Appropriate scores on the exam are worth college credit at many institutions. AP grades are weighted.

Basic Math Skills *Grade Level(s): 9-12; Year-long course*

Prerequisite(s): Teacher recommendation

This is a year-long course, in which students receive direct instruction in Problem Solving Skills, Numeration, Basic Math Skills, Measurement, Functions, Geometry concepts, and basic Statistics. This course is designed around the math standards. Students needing extra time to learn the content have an opportunity to receive more one on one instruction in this course.

Geometry *Grade Level(s): 9-12; Year-long course*

*Prerequisite(s): C or better in Algebra I or teacher recommendation required. **NCAA approved course.** This course is repeatable for additional elective credit but requires teacher approval.*

Geometry is designed to teach students to think logically and understand the basic structure of geometry. The course is used to reinforce and strengthen algebraic skills and primarily focuses on plane geometry developed from the Euclidian point of view.

Personal Finance/Business Math *Grade Level(s): 11-12; Year-long course*

Prerequisite(s): C or better in Algebra I.

In this introductory finance course, students learn the basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long term financial plans to meet their goals, and making responsible choices about income and expenses.

Pre-Algebra *Grade Level(s): 9-11; Year-long course*
Prerequisite(s): Teacher recommendation required.

Pre-Algebra reinforces skills necessary for the successful study of algebra. Fundamental operations with natural numbers, integers, decimals, percent and fractions are covered.

Pre-Calculus *Grade Level(s): 10-12; Year-long course*
Prerequisite(s): C or better in Algebra II or Teacher recommendation required. NCAA approved course.

Students will learn how to analyze functions from a calculus perspective: domain & range, intercepts, continuity, symmetry, transformations, composition, and inverse. Polynomial, rational, and radical functions will receive primary attention including the skill of equation solving. Students will also learn trigonometry: evaluating, graphing, formulas, solving equations, and identities. The year will conclude with an introduction to derivative.

Physical Education

Lifetime Fitness *Grade Level(s): 9-12; Semester or Year-long course*
Prerequisite(s): None. This course is repeatable for additional credit.

Developing and maintaining a healthy level of physical fitness will be a focus of this class. Cross-training and lifetime activities will be presented along with individual and group activities and sports. Specific activities will follow seasonal and facilities demands. Principles of proper technique, safety and sportsmanship will also be an essential part of this class.

Other Electives

Partners Club *Grade Level(s): 9-12; Semester or Year-long course*
Prerequisite(s): Instructor approval. This course is repeatable for additional credit, but requires teacher approval.

The Partners Club is a diverse class of students with various levels of ability. As a group, students work to increase awareness of differences, opinions and stereotypes to promote a better understanding of all people. Through social, recreational and service learning, students contribute positively to the school, community and their own personal growth.

Science

AP Environmental Science *Grade Level(s): 10-12; Yearlong course*
Prerequisite(s): Biology. NCAA approved course

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.

AP Physics 1 *Grade Level(s): 11-12; Yearlong course.*
Prerequisite(s): C or better in previous math course. NCAA approved course. Must have taken Chemistry and Pre-Calculus. Can be taking Pre-Calculus concurrently. Course fee required for AP Exam.

AP Physics is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Appropriate scores on the exam are worth college credit at many institutions. AP grades are weighted on a 5-point scale.

Biology *Grade Level(s): 10-12; Year-long course*
Prerequisite(s): Freshmen require teacher approval and must be enrolled in Algebra I. NCAA approved course.

This course covers the traditional life science areas of Biochemistry, genetics, cell structure and function, classification, the history of life and animal anatomy and physiology. Laboratory experiences are an integral part of this course.

Chemistry *Grade Level(s): 10-12; Year-long course*
Prerequisite(s): Completed Algebra I and Biology with a "C" or better. NCAA approved course.

This is the study of how matter (just about everything around you) behaves. In this year-long course we will learn how atoms combine to produce different molecules. Emphasis is placed on bonding, chemical reactions, periodic properties and chemical quantities. These topics are explored through lab activities and class discussion. Weekly labs reinforce classroom study. The last month of class is spent exclusively in the lab identifying unknown mixtures using qualitative analysis. This course is essential for students who plan to study science or enter a health-related career field.

Earth Science *Grade Level(s): 9-12; Year-long course*
Prerequisite(s): None. NCAA approved course.

This course focuses on looking at Earth Science as the interaction of systems. Systems studied include: 1) space,

2) earth's crust, 3) fresh water and 4) natural resources and energy. The emphasis is on lab work and scientific processes to facilitate understanding of how these systems work independently and interdependently in order to make informed decisions about real-world problems in earth science today and in the future. Students will learn how to keep a field journal, use specific computer programs to gather information and enhance system thinking and defend scientific investigations in written and speaking formats.

Human Anatomy & Physiology *Grade Level(s): 11-12; Year-long course*

*Prerequisite(s): Biology required; Chemistry suggested. Students may opt for .5 Health credit and .5 Science credit if taken for a full year. **NCAA approved course.***

This course begins with an introduction to anatomy and physiology by studying body regions, sectioning planes, directions, and movements. There is also an overview of the body's systems. Systems studied in more detail are the skeletal, muscular, cardiovascular, respiratory, digestive, nervous, endocrine, and reproductive systems. Instruction is through lecture, labs, Moodle activities, and projects. The year culminates with a major dissection of a mammal in order to help emphasize the interaction of all body systems of an organism.

Natural Resources *Grade Level(s): 11-12; Year -long course*

*Prerequisite(s): Biology or teacher recommendation required. **NCAA approved course.***

This course will explore the natural resources available here in Alaska as well as those available worldwide. We will study the history of oil exploration and production in Alaska and its place in the world market. In addition, the class will discuss the environmental cost of the use of oil as an energy source. The course will study the use of renewable energy sources here in Kodiak and in rural Alaska. We will discuss the commercial, sport and subsistence use of Alaska's fisheries and how they are managed. The state of worldwide fisheries and the role of seafood farming in feeding growing world populations will also be investigated. Forestry, mining, Alaska wildlife and Tourism and their importance to the state of Alaska will also be part of the course.

Social Studies

AP Psychology *Grade Level(s): 11-12; Year-long course*

*Prerequisite(s): None; This class is worth one additional GPA point. **NCAA approved course.** Course fee required for AP Exam.*

This course is an examination of theories and research that explain behavior and mental processes. Class time is primarily focused on labs, activities and discussions. Emphasis is on comprehension and analysis of the five domains of psychology identified by the American Psychological Association: Methods, Biopsychological, Cognitive, Developmental, and Sociocultural. Appropriate scores on the exam are worth college credit at many institutions. AP grades are weighted on a 5.0 scale.

AP US History *Grade Level(s): 11-12; Year-long course*

*Prerequisite(s): None; This class is worth one additional GPA point. **NCAA approved course.** Course fee required for AP Exam.*

AP U.S. History will examine the evolution of the United States from Pre-Columbian days to the present. Topics will

address U.S. History through chronological and thematic approaches. The themes for AP US History include: Identity, Work, Exchange and Technology, Peopling, Politics and Power, America in the World, Environment and Geography, and Ideas, Beliefs, and Culture. In preparation for the AP exam, students will participate in a variety of activities including critical reading of primary sources and secondary sources, and the use of analytical skills to write a variety of forms of communication. Appropriate scores on the exam are worth college credit at many institutions. AP grades are weighted on a 5.0 GPA scale.

AP World History *Grade Level(s): 10-12; Year-long course*

*Prerequisite(s): None; This class is worth one additional GPA point. **NCAA approved course.** Course fee required for AP Exam.*

The AP World History course will provide global coverage of Africa, Asia, Europe and the Americas through six themes: 1) the dynamics of change and continuity across world history periods, 2) patterns and effects of interaction among societies and regions, 3) the effects of technology, economics, and demography on people and the environment, 4) systems of social structure and gender structure, 5) cultural, intellectual and religious developments and 6) changes in functions and structures of states and in attitudes toward states and political identities. Appropriate scores on the exam are worth college credit at many institutions. AP grades are weighted.

General Psychology *Grade Level(s): 11-12; Year-long course*

*Prerequisite(s): None. **NCAA approved course***

This course is an overview of the theories that explain behavior and mental processes. Emphasis is on providing tools to help students gain insight into their own behavior, their relationships with others and the influences of society on personal interactions.

US History *Grade Level(s): 11-12; Year-long course*

*Prerequisite(s): None. **NCAA approved course. This course (or AP US History) is a district requirement for graduation.***

This course begins with Reconstruction and continues through to present day. Students will examine the social, economic and political impacts of major events throughout the history of the United States

World History *Grade Level(s): 10-12; Year-long course*

*Prerequisite(s): None. **NCAA approved course.***

This course begins with ancient civilizations and continues to follow the development of civilization through WWII. Regional philosophy, development of technology, political ideas and social structure of selected cultures will be explored in order to understand their influence on the development of nations.

World Languages

Alutiiq Language I & Alutiiq II *Grade Level(s): 10-12; Year-long course **Offered for dual credit.***

Prerequisite(s): Alutiiq Language I and Teacher recommendation

We focus on conversational Alutiiq, with some reading and writing, as well as cultural topics and experiences. In Alutiiq II students will expand on all topics covered in Alutiiq I, to gain a deeper understanding and a larger vocabulary.

American Sign Language 1, 2 *Grade Level(s): 9-12; ASL 1 and ASL 2 are semester courses, with 1 being in the first semester, 2 being in the second semester.*

Prerequisite(s): None.

These courses are designed to develop the skills and knowledge needed to communicate in American Sign Language. ASL 1 and 2 are introductory level courses that establish a novice range of communication skills. This course emphasizes the cultural practices distinct to those that approach the world from a visual perspective. Topics include: ASL vocabulary, grammar, historical events that have impacted the language and culture of the D/deaf community; the distinct cultural practices; and, comparison of American Sign Language to English.

Spanish I *Grade Level(s): 9-12; Year-long course*

*Prerequisite(s): None. **NCAA approved course.***

This course is designed to give students the ability to communicate in everyday Spanish. The course uses a technique called Teaching Proficiency through Reading and Storytelling (TPRS). The main focus of this course is to help students acquire language through Comprehensible Input (CI), and focuses on mastery of high-frequency words, in context.

Students can expect to acquire language through storytelling, reading and writing short stories, leveled readers, readers' theater, songs, Movie Talks, and illustrations, among other techniques.

This course is mainly held in Spanish, with aids to help with comprehension.

Spanish II *Grade Level(s): 9-12; Year-long course*

*Prerequisite(s): 2.5 (C) or better in Spanish I; Teacher recommendation required. **NCAA approved course.***

This course builds upon material acquired in Spanish I, using TPRS and CI techniques, and goes deeper into the high-frequency word list.

Students can expect to acquire increasingly complex language, and interact at a more natural rate, through additional exposure and practice. Students will continue to acquire through storytelling, reading and writing short stories, leveled readers, readers' theater, songs, Movie Talks, and illustrations, among other techniques.

Spanish III *Grade Level(s): 9-12; Year-long course*

*Prerequisite(s): Spanish II; Teacher recommendation required. **Offered for dual credit. NCAA approved course.***

This course takes a look at all of Spanish 1 and 2, and says, "It's go time!" This is where the hard work in Spanish 2, in particular, pays off. Students get an opportunity to enjoy the scenery, having already learned a great number of tricks, and can now attack their studies with greater efficacy. This means that students now get a solid chance to show off, to add some polish to their language skills, and truly impress. It involves exploring culture through literature, pop culture, and current events, as a means of developing students' interests, all while providing context for the sophisticated grammatical pieces to come.

Grammar goals include mastery of the subjunctive tenses, as well as the compound tenses. Vocabulary goals include broadening understanding and usage of colloquial Spanish, as well as

Hispanic/Latino holiday traditions give us opportunities to share out, and to compare and contrast our respective cultures, and allow for deeper appreciation of our roots and experiences.

Spanish IV *Grade Level(s): 10-12; Year-long course*

Prerequisite(s): C or better in Spanish III; Teacher recommendation required. Offered for dual credit. NCAA approved course.

This course builds upon material acquired in Spanish I, II, and III, also using Teaching Proficiency through Reading (TPRS) and Storytelling and Comprehensible Input (CI) techniques, and gives students an opportunity to dramatically increase their competency and fluency in Spanish, to the point they can begin to interact with sympathetic native speakers. The focus continues to be on proficiency, with an emphasis on everyday language, opposed to the textbook variety.

Students can expect to see noticeable gains in their ability to understand, and be understood, largely by further developing their vocabulary and grammar skills, contextually. Students can expect to acquire the language structures they may need to understand and communicate in a wide variety of situations.

Students will continue to acquire through storytelling, reading and writing short stories, reading independently, and as a class, readers' theater, songs, Movie Talks, and illustrations, among other techniques.

Special Programs

Gifted and Talented *Grade Level(s) 9-12*

The Gifted and Talented program is designed for students who qualify for Gifted and Talented services. Students will pursue challenges of their choosing that represent each of their identified areas. Students qualify for this program via a referral and testing process.

Special Education *Grade Level(s): 9-12*

In order to qualify for the Special Education program a student must be referred for assistance by a parent, classroom teacher or counselor. Following the referral, the student is carefully evaluated through assessments, which include observation and testing.