BAYHILL HIGH SCHOOL

COURSE CATALOG

2022-23

BAYHILL
HIGH SCHOOL

Accreditation

Bayhill High School is accredited by the Western Association of Schools & Colleges (WASC). In addition, our courses meet A-G approval from the University of California.

Graduation Requirements

4 years of English
3 years of math (including Algebra 1)
2 years of science (including Biology)
1 year of World History
1 Year of US History
1 semester each of Government & Economics
1 Year of Visual/ Performing Arts
2 Years of Physical Education and/or Health
1 Year of Study Skills/Technology
60-hour internship
65 units of electives

Additional Course Work to Meet A-G Requirements:1 year of either Chemistry or Physics, 2 years of foreign language, 1 additional year of English, math, social science or history.

(P) *Courses noted with this symbol are College Preparatory and meet the A-G requirements for admittance into a Cal State or UC school.*

English

English 9 (P)

In English 9 we will explore literature from around the world, beginning with classical and modern fairy tales and mythic allusions and ending with non-fictional memoirs. This class focuses on Myth and Memoir within the theme of self-discovery. Texts may include such titles as: *A Midsummer's Night Dream*, *Farewell to Manzanar*, *Catch Me if You Can* & Selected Short Stories. We will read and analyze a variety of texts to build reading comprehension, vocabulary, literary response, and writing skills to meet the Common Core Standards and California A-G requirements.

English 10 (P)

English 10 explores literature from around the world. The class focuses on the themes of the hero's journey, social conflict and social justice. As the class reads these novels and supplementary short stories, poetry, and nonfiction reading, students build reading comprehension, vocabulary, literary response, and writing skills to meet Common Core Standards and California A-G requirements. Students will apply and enhance these skills in writing projects, class discussion, and multimedia presentations. The culminating project will involve the writing of a biographical research paper in the fourth quarter. Students will choose a figure they admire who embodies the themes of social justice or social conflict that we explore throughout the year.

English 11 (P)

In English 11 students study literature from different authors in the United States through key historical moments including: Westward Expansion, World War II, Harlem Renaissance, Mid Century, and the Cold War. This class focuses on both the historical and social justice aspects of these texts. We will read and analyze a variety of texts to build reading comprehension, vocabulary, literary response, and writing skills to meet the Common Core Standards and California A-G requirements.

English 12 (P)

In English 12 students explore dystopian and utopian literature embodying the universal themes of despair and hope. Texts include titles such as: Born a Crime, Brave New World, and Hamlet. As student read through novels and supplementary short stories, poetry, and nonfiction reading, they build reading comprehension, vocabulary, literary response, and writing skills.

Students will apply and enhance these skills in writing projects, class discussion, and multimedia presentations. The culminating project will involve

the writing of a Senior Research Project, involving extensive study on a social issue of their choosing. This curriculum is designed to meet grade-level U.S. Common Core Standards and the California A-G requirements through skill acquisition and application, with emphasis on critical reading/thinking and descriptive writing.

Foreign Languages

American Sign Language I (P)

The Course involves the learning of beginner levels of American Sign Language which includes the history, structure, and grammar of American Sign Language (ASL). It also incorporates the study of the historical and cultural contexts of the Deaf community. Topics covered include Introducing Oneself; Exchanging Personal Information; Discussing Living Situations; Talking about Family; Telling about Activity; and Storytelling.

American Sign Language II (P)

This course builds on the concepts learned in ASL I which includes the history, structure, and grammar of American Sign Language (ASL). It also incorporates the study of the historical and cultural contexts of the Deaf community. Topics covered include Describing People and Things; Making Requests and Asking for Advice; Describing Places; Giving Opinions about Others; Discussing Plans and Goals.

American Sign Language III (P)

Using the first two years of ASL as a base, ASL 3 expands receptive and expressive vocabulary and grammatical skills. Students further develop functional conversational skills and greater appreciation of deaf culture and history. Students will develop receptive proficiency of ASL conversations, incorporate classifiers into everyday conversations and exchange personal information and specific life events. Students will perform short narratives with competence, generate short stories, convey emotions using facial expressions, compare and contrast various aspects of Deaf Culture and overall increase fluency in finger spelling as used in ASL. Students continue to develop advanced narrative skills to tell about past events.

Spanish I (P)

The emphasis of this class will be on speaking, writing, and comprehension through interactive discussion and exercises, as well as brief written assignments. The goal of this course is to develop communication skills in Spanish, integrating grammar and vocabulary into written and oral communication. Cultural component of Spanish will be addressed through Reading assignments, art, and film. Students should expect to gradually participate more in class using Spanish.

Spanish 2 (P)

Spanish 2 continues to develop communication skills in Spanish. The emphasis of this class will be on speaking, writing, and comprehension through interactive discussion and exercises, as well as written assignments. This course emphasizes the integration of grammar and vocabulary into written and oral communication. Students will continue to explore We will also be using the cultural component of language in various Spanish speaking countries. Student should expect to expand vocabulary, develop a working knowledge of intermediate grammar and syntax, and participate in class using the Spanish language.

Spanish 3 (P)

Spanish 3 focus on advancing written and oral communication in Spanish. The emphasis of this class will be on speaking, writing, and comprehension through interactive discussion and exercises, as well as written assignments. Students will review grammar structures covered in the first two years of Spanish. Students should expect to converse in Spanish only during this course and to develop a deeper understanding of the grammatical, linguistic and cultural aspects of the

language. Students admitted upon approval of instructor.

Learning Support

21st Century Learning

Required for all incoming Freshman, this course develops entry level study strategies and technology tools for high school success. Students begin with an exploration of their learning strengths and weaknesses and move into an understanding of the neurological basis of thinking and learning. Students focus on learning strategies and take a deeper dive into Bayhill's unique approach to essay writing. Students will learn the Google Suite of tools, as well as assistive technology extensions.

Read Write Success

Designed for students reading below a 7th grade level, Read Write Success uses a structured language literacy approach using both Orton-Gillingham based instruction and Structured Word Inquiry in order to build decoding, spelling and fluency skills. Students who actively participate in the class will often see reading levels increase by two or more years. Written language is addressed through a focus on spelling, building sentence & paragraph writing skills with a focus on academic vocabulary, revising, and editing. Assistive technology skills are also a focus in order increase access to grade level curriculum.

Advancing Reading & Writing Skills for College

Designed for students reading at or above 7th grade level or having completed Read Write Success, this course continues the application of Structured Word Inquiry to academic vocabulary and curriculum content, as well as the use of repeated reading and assisted reading for building fluency. The course uses the Building College Reading skills textbooks to practice active, close reading for building higher level comprehension skills necessary for post-secondary education. The writing component of the course builds on skills from Read Write Success and English 9 and `10, applying the skills to professional communication, self-initiated revision and editing, and improving analytical writing with more sophisticated grammar and mechanics.

Strategies for Success

This is course takes a systematic approach to building executive functioning and study skills using the SMARTS Executive Functioning Curriculum. Beginning with intrinsic aspects of motivation, initiation and goal setting, students will build the skills necessary for independent work and self-monitoring. Students will also build skills in study strategies and testing taking strategies. Time is left each day for at least 30 minutes of focused and supported homework and study time. Course approval required from Case Manager.

Mathematics

Foundational Math/Pre-Algebra

This course is for students who's basic understanding of mathematical concepts and principals needs further development before entering Algebra 1. This class uses a structured, multisensory approach that begins at very basic numeracy and builds math skills based on mastery and strong foundational understanding. Fourth quarter of the course focuses on integers, order of operations, and strengthening pre-algebraic skills. and Algebra 1 skills will be revisited throughout the course when necessary.

Algebra 1 (P)

This course in Algebra examines the mathematical logic and calculations that lead to an ability to solve complex algebraic equations. Symbolic reasoning and calculations with symbols are central in algebra. In addition, algebraic skills and concepts are developed and used in a wide variety of

problem-solving situations. The course employs multi-sensory instruction with real-world connections. Basic mathematics and pre-algebra skills will be revisited throughout the course, such as note-taking, organization, and vocabulary. Students may take the course over a single year, over go at over a slower pace over two years with Algebra 1A and 1B.

Geometry (P)

Students will learn geometry skills and concepts that are useful to all students in everyday work and life. Topics include: geometric proofs; perimeter, area, and volume of two- and three- dimensional figures; size transformations; Pythagorean theorem; constructions; triangle, circle, and polygon properties; special triangles; coordinate geometry and trigonometric functions. The course employs multi-sensory instruction with real-world connections.

Algebra 2 (P)

Algebra 2 is an advanced examination of number sense, graphing and equations, special functions, trigonometry, data analysis, and probability and statistics. Symbolic reasoning and calculations relating equations and graphs are central in an advanced study of Algebra. In addition, algebraic skills and concepts are developed and used in a wide variety of problem-solving situations. The course employs multi-sensory instruction with real-world connections. Basic mathematics, pre-algebra skills, and Algebra 1 skills will be revisited throughout the course when necessary. Prerequisite: Grade C or better in Geometry.

Pre-Calculus (P)

This course is designed to introduce students to rigorous analysis of functions and function modeling. By the end of the course, students will be able to analyze the characteristics of various functions using multiple representations, including graphical, numerical, and analytical methods. Students will also be able to model various scenarios using an appropriate model and will develop skills in justifying a chosen function model using mathematical properties as well as real-world context. Students will leave the course with a deeper appreciation of the interaction between mathematics and the world around them and will be prepared to handle the conceptual and numeric rigor of calculus. prerequisite: C or better in Algebra 2

Calculus (P)

Calculus is a rigorous mathematics course that meets advanced standards for honors level. The course is not taught every year but is offered when enough students meet the preliminary requirements (grade C or better in Pre-Calculus).

Consumer Math

This course focuses on the mathematics involved in making wise consumer decisions. Students explore the many ways in which mathematics affects their daily lives. This one semester course will cover paychecks and wages, taxes, insurance, budgets, bank accounts, credit cards, interest calculations, and comparison shopping.

Sciences

Environmental Science (P)

The curriculum for Environmental Science class has been designed to introduce students to major ecological concepts and the environmental problems that affect the world in which we live.

There is a critical need for environmental education and this curriculum provides one way in which students can become attentive to the interactions of people and their environment. The curriculum focusses on concepts that are real-life issues and stimulates awareness and understanding of practical everyday problems that affect their lives. It also relates important environmental issues to the lives of the students and their families.

Biology (P)

The biology course is a first-year course in biology at the high school level. The course emphasizes a multi-representational approach to science, with concepts, results, and experiments being expressed graphically, analytically, and verbally. The course commences by reviewing the scientific process and its applications to exploring life. It then examines in detail the cellular basis of life: human anatomy and physiology; genetics; the plant, animal and microbial kingdoms; and relates back to ecology and evolution. The biology course will also involve computer-based learning tools, traditional hands-on laboratory experiments, and collaborative group projects.

Chemistry (P)

The Chemistry course is a first-year course in chemistry at the high school level. The course emphasizes a multi-representational approach to science, with concepts, results, and experiments being expressed graphically, analytically, and verbally. The course commences by reviewing the scientific process and its applications to exploring life. It then examines in detail the atomic and molecular structure; chemical bonds; conservation of matter and stoichiometry; gases and their properties; acids and bases; solutions; chemical thermodynamics; reaction rates; chemical equilibrium; organic chemistry and biochemistry; and nuclear processes. The Chemistry course will also involve computer-based learning tools, traditional hands-on laboratory experiments, and collaborative group projects. Prerequisite: Algebra I.

Physics (P)

Physics begins with an exploration of mechanics, including motion, forces, gravity, energy and momentum. The course continues with the properties of matter, heat, sound, light, electricity and magnetism. There will be traditional hands-on laboratory experiments related to the course topics, as well as special projects. Prerequisite: Algebra I.

Social Sciences

World History (P)

Students in this class study major turning points that shaped the modern world, from the late eighteenth century through the present, including the causes and course of the two world wars. They trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues. Students develop an understanding of current events and how they relate to them, looking at a variety of perspectives in order to better understand international relations. Topics include World Morality and Ethics; French Revolution; Industrial Revolution; Imperialism; World War I; World War II and Totalitarianism; The Aftermath of WWII and The Cold War; Modern Nation Formation.

United States History (P)

The primary focus of this course will be to explore the major events, personalities, social, cultural, political, economic and technological changes that have shaped United States history in the 20th century. The course begins with a selective review of American history from the Age of Discovery to the Gilded Age, with an emphasis on: the origins of democratic government, the rise of sectionalism and the industrial transformation of the United States. The course continues with an intensive study of the history of the United States in the twentieth century. Major historical units will include: the Progressive Era, World War I, the 1920's, the Great Depression and the New Deal, World War II, the Cold War and the 1950's, the 1960's, the 1970's, and contemporary America. Finally, the course will focus on democratic values and citizenship through its examination of the evolution, effectiveness and abuse of democratic institutions in America.

Government (P)

Government is a semester-long course examining the three branches of the government of the United States and their application to students' lives as legal adults. Students will thoroughly study the U.S. Constitution, the institutions of modern American Government, and the political behaviors of the American people. Each week the class will discuss relevant current events to broaden their understanding of the American political landscape. The curriculum is designed to meet grade-level U.S. Common Core Standards and the California A-G requirements through skill acquisition and application of the course content.

Economics (P)

In Economics, students will first investigate macroeconomics, how the economic policies of the government affect the U.S. economy, then analyze case studies in microeconomics on companies like Enron and the fast-food industry with a focus upon the effect on individuals at varying income levels. The class will discuss relevant current events to broaden their understanding of the American political and economic context. Students will also conduct a cost-of-living analysis around their post-secondary transition plans. The curriculum is designed to meet Common Core Anchor standards for reading and writing, grade-level California Content Standards, and the California A-G requirements through skill acquisition and application of the course content.

Psychology (P)

The major goal of psychology is to systematically study individual behavior and human mental processes to gain an understanding of the self and others. The course will explore cognitive aspects of the mind, or how humans think and feel about the world around them. The course will provide opportunities for students to become knowledgeable about the importance of attitudes, feelings, and values for themselves and others in determining human behavior, the scientific basis of behavior and the process of human development as a lifelong journey.

Visual & Performing arts

Band (P)

This class is largely performance oriented; the class will work together to develop a repertoire of music that is challenging, fulfilling to perform, and instructional. Through learning to perform songs from our rich history of popular music, students will learn fundamentals of music theory, aspects of a disciplined performance practice, and historical / cultural context for the music being performed.

Students will also spend time covering important periods in music history, including an introduction to, and overview of, various musical styles and forms from around the world. In addition to these areas of study, students will also be encountering how music intersects with other subjects - mathematics, science / physics, visual art, computer technology, sociology, language and creative writing, among others.

Art Fundamentals (P)

In this class students will spend most of their time learning about art by making art- designing, assembling, and revising work until it meets their own expectations and the goals of each assignment. Students will also be learning about art by looking at other people's work and discussing it with a critical eye.

Making art is about making things, but it is even more about making choices. Understanding the reasons and kinds of choices artists make is a key to understanding art. Thinking about the kinds of choices you make, and the reasons why, can improve your creative work and can help you understand what is important to you.

Advanced Art: Drawing, Painting

Printmaking & Sculpture (P)

This is a class for students who have already taken visual arts in high school and who want to expand their knowledge of techniques, materials and ideas.

The first semester will be focused on three-dimensional work (sculpture). During the second semester we will be working in "flat" media-drawing, painting and printmaking.

Studio Art I: Self & Context (P)

This is a class for students who want to expand the depth of their skill, knowledge and understanding of art. Most of the class will be focused on completing several in-depth projects. Some of these projects will be based on specific assignments and some of them will be planned jointly by the students and the instructor.

Discussion and critique of student work will be a major aspect of the class. Critique will focus on the contrast between the artists' experiences and intention and the perception of the artists' classmates, we will talk about the work in terms of design principles, the use of elements of art and the content or subject of the work. We will also be looking at the role art plays in our culture here and now, and how that fits into a larger historical and cultural context.

Students will examine their own relationship with art; what they value and aspire to in their work. This process will culminate in the selection of best work into a portfolio, and the writing of an artist statement to help viewers understand what is important about the work.

Studio Art II: Surfaces & Meaning (P)

This is a class for advanced students who want to expand the depth of their skill, knowledge and understanding of art. In this class we will be studying the use of several different materials used in art and learning to understand how the physical properties of different materials create different kinds of surfaces and visual effects. We will also look at the work we create in class and the work of many notable artists and talk about the relationship between the materials used in the work and the feelings and ideas the work communicates.

NOTE: You will be required on occasion to visit Bay Area galleries, on your own time, as part of your homework. These assignments will be given with plenty of lead time in order to ensure that transportation and time for the visits can be arranged.

Photography & Digital Media

This is an interdisciplinary course with an emphasis on interactive projects. During the first semester, students will explore historic and contemporary fine art photography while developing their own photography portfolio. Throughout the second semester, students will gain the skills to strategize, implement, and edit unique multimedia digital art.

Advanced Photography & Digital Media

Building upon skills in the previous course, students will improve their storytelling skills though photography and other forms of digital media. Students will explore aspects of graphic design and the application to marketing. Students will also delve into short digital films or clips.

2D Print Craft & Storytelling

In this class students will print your own graphics and build paper crafts. Projects will include lightboxes, piñatas, papier mache, screen printing (for paper and fabric), linoleum printing, dry point etching, and more. One semester course. P/F grading.

Physical Education & Health

The Physical Education Staff at Bayhill High is committed to helping all students gain an appreciation of the lifetime benefits of pursuing healthy living through activity, wellness, and social interaction. Dedicated to maintaining a non-threatening environment where all students are free to challenge themselves.

Physical Education is required by state law. Participation in a well-planned program is part of a good high school curriculum. We feel that fitness is of such great importance that much of your grade will be determined by your effort to achieve a high level of personal fitness through our daily exercise, jogging/running, and sports/games.

Health

This course emphasizes a broad range of topics including areas of mental, physical and social health. Topics include drug use & abuse, sexual health, nutrition and healthy body concept, and mental health. A variety of multi-representational methods like computer-based learning tools, class discussions and collaborative group projects will be utilized in this course.

College & Career Technical Education

New to Bayhill in 2022, our College & Career Technical Education courses focus on hands-on, real-world skills that allow student to explore skills and careers for post-secondary education. All courses include trips to college and university programs, as well as visits from professionals and visits to work sites.

3D Print Modeling

Students will learn how to design 3D models that can be printed and assembled. Projects include those that assemble & move, solve problems, that can be sold for a business, and for artistic purposes. Class will include a look at careers that use 3D modeling and include college & career visits. One semester course. P/F grade.

Culinary Skills

In this introductory course, students will learn how to prepare tasty and nutritious food. This hands-on course will be taught between the classroom and Bayhill kitchen. We will cover kitchen tools, knife skills, food trends, recipe reading, cleanliness, food preparation, and tasting. Students will plan, shop, prepare a variety of foods, and participate in maintaining a sanitary kitchen. This course will include a visit to a community college culinary arts program and a possible visit to the Culinary Institute. One semester course. P/F grade.

Introduction to Adobe Graphic Design

Students will learn how to design dynamic stories using Adobe Photoshop and Illustrator. Projects will include those for both professional and artistic use. Students will be introduced to design thinking to analyze, and problem solve through visual storytelling. This is an introductory course, no prior knowledge needed. Students will complete the course with a fundamental knowledge of Adobe Creative Suite tools. This course will include visits to college level programs for graphic design and design studio visits. Students will need a computer with an Intel processor (no Chromebooks or pads). One semester course. P/F grade.

Robotics

Students will learn how to build and program simple to complex Vex Robots to complete a variety of different tasks and challenges. Coding using Python is part of this course. The course is project based and teaches students design thinking for engineering. Course will likely include competitions with local schools. The course will also include an exploration into engineering degrees. One semester course. P/F grade.

Beginning Fine Wood Working

This class will cover the basics of working with hardwoods to build fine objects and furniture. Students will learn to use hand tools like chisels and planes, as well as power tools like planers, saws, drills, routers and sanders. Students will also learn the basics of drafting- how to follow a drawing to create a beautiful wooden box, and then how to use drafting skills to design a small table, which they will then build and finish. We will study different kinds of wood, what different woods are good for, and where wood comes from (yes, trees,

but there are many kinds of trees and many ways of harvesting them). Class will include application to college & career by visiting local community college cabinetry programs and woodworking professionals. One semester. P/F grading.

Basic Cabinetry & Architecture

This is a class for students who are interested in drafting, designing and building buildings and the things that make them work. We will start by making a small cabinet- like a medicine cabinet- with adjustable shelves and a hinged door. The cabinet will be made from a plan, but you'll be able to choose among colors and materials (for example- you can have a mirrored door, if you like, or a wood paneled one). Then students will begin using a computer drafting program to design a building- it could be anything- a house, a school, or a restaurant for example. Based on that design students will use a computer-controlled laser cutting machine to make the parts for a scale model of their building, which they will build. The course will include a visit to a community college construction and draft programs, as well as an exploration into building and architecture careers One semester. P/F grading.

College & Transition

Life Skills

Life Skills course will include many transition activities designed to encourage students to explore their maximum potential while learning the skills necessary to transition from school and parental care into adult independence. This class will teach students how to incorporate Life Skills related knowledge into everyday behavior. Students will be exposed to information and skill-building exercises geared towards personal, social and emotional development. Studies show that, for students to be College and Career Ready, they must have access to a well-rounded education which consists of a rigorous and broad curriculum grounded in core academic disciplines merged with other pertinent subject areas such as Life Skills.

Junior Internship

All students are required to complete a 60- hour internship during their junior year. The Bayhill Internship Program provides opportunities for students to explore possible post-secondary education options and/or career interests. Bayhill operates from the belief that when students experience engaging, skill-building internships they are favorably impacted.