

Honors and Advanced Placement Courses

Eligibility Criteria

Oak Hall Upper School offers College Preparatory (CP), Honors (H), and Advanced Placement (AP) courses. Honors and Advanced Placement courses are accelerated and/or college-level courses designed for the highly qualified and ambitious student. To qualify for Honors and Advanced Placement courses, students must complete all required course prerequisites and meet minimum grade and placement criteria established by each department. Students who are enrolled in Advanced Placement courses are required to take the AP examination, which is administered by the College Board in May. Students who do not meet the grading criteria and are ineligible for a course may appeal to take their course(s) of interest. The Academic Appeals Committee considers each appeal individually and makes final course placements based upon the student's record of achievement in past courses, teacher recommendations, and student reflection and rationale.

General criteria for matriculation into College Preparatory (CP), Honors (H), and Advanced Placement (AP) courses are based upon final grades for the fall semester. Final grades for spring semester may also be taken into consideration when making final course placements. These grade criteria are as follows:

AP to AP = B

Honors to AP = A-

College Preparatory to Advanced Placement = Appeal Required

Honors to Honors = B

College Preparatory to Honors = A-

College Preparatory to College Preparatory = D-



Upper School Curriculum Guide

ENGLISH

English I: Introduction to Literature (1.0 credit)

This course focuses on the various genres of literature and uses the selected readings as the topics for beginning analytical writing. Students read short stories, novels, plays, poems, and non-fiction prose to study the major elements and themes of literature, both classic and modern. A major emphasis of the course is writing; students start with a study of the structure of the sentence and how to create interesting writing through the manipulation of sentence patterns. The individual paragraph and the five-paragraph essay are the primary types of composition; however, students write at least one creative piece each quarter. Each student writes two research papers using the MLA format. Vocabulary acquisition is emphasized throughout the entire year.

English I: Language and Composition (Honors) (1.0 credit)

This course focuses on teaching students how to identify and analyze rhetorical strategies through “close reading” of a variety of persuasive modes (editorials, speeches, historical documents, letters, etc.). Although students will, like their ENG I peers, be examining some plays, novels, poems, and short stories, this AP Language-precursor course will put a greater emphasis on non-fiction prose. Through such analysis, students will be asked to conduct various assignments to improve their ability to think analytically, dissect exemplary forms of rhetoric, and then apply such devices and strategies within their own persuasive prose.

English II: British Literature (College Prep or Honors) (1.0 credit)

Prerequisite: English I

This course examines our literary heritage through the close study of significant British Literature. Students are encouraged to draw inferences and discover parallels among the writings of various periods, styles, and civilizations. Important literary and cultural periods are studied with representative works from English and continental cultures, starting with the Anglo-Saxons (“Beowulf”) and bringing us right to 21st century contemporary British Literature (with the likes of Salman Rushdie or Tessa Hadley). The course focuses on helping students to better understand material at a college level of complexity. The chronological organization of the course should give the students a solid comprehension of the evolution of literature and human thought. Finally, students receive a thorough grounding in important literary terms and concepts.

Advanced Placement Language and Composition (1.0 credit)

Recommended: English I Honors

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods.

English III: American Literature (College Prep or Honors) (1.0 credit)

Prerequisite: English II

This course surveys American literature from the Puritan era to the present, tracing the religious, sociological, psychological, philosophical, and aesthetic concerns of American authors. Students examine the texts of these authors to gain insight into their imaginations, while also examining the societies from which each imagination springs. Because any examination of another person or society, whether fictional or historical, requires one to know him or herself, each person discovers what it is he or she thinks and feels about the various values presented by American authors. Students write several essays each quarter that demonstrate their analytical and research skills. The class focuses on literary analysis and argumentative writing. By the time students finish the class, each should be prepared to write a college-level composition.

Advanced Placement Literature and Composition (1.0 credit)

Recommended: AP English Language and Culture

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

NOTE: Since most other high schools in our community offer AP Language and Composition in 11th grade and AP Literature and Composition in 12th grade, new OHS enrollees who have taken one of those

courses already, but in a different year, are welcome to take either AP Language and Composition or AP Literature and Composition in their junior and/or senior year—the classes are not necessarily sequential nor grade year-determined.

English IV: Specialized Subject “Senior Seminar” Courses

(College Prep, Honors, or Advanced) (0.5 credit per semester)

Prerequisite: English III, AP Language, or AP Literature

The Oak Hall Upper School English department is proud to offer the stylistically innovative and engaging “Senior Seminar” curricula. Seniors are given the opportunity to choose two classes (one per semester) out of a diverse sampling of course options taught by all of our Upper School English teachers. The courses will present different styles and scopes of Literature (delving into a wide array of genres and mediums), and thus expand for our students their realms of critical thinking and cultural analysis. This provides a more specific and in-depth approach than our 9th-11th grade English “surveys” can, in form and function, allow-- much like specialized collegiate courses do. Such course offerings will allow Seniors to choose topical matter more akin to their personal interests, and, we believe, through such specialization, this will enhance their understanding and appreciation for the elements of literary and cultural critical appraisal in general. Within each course, students will be: examining varieties of media from films to music to 2-D art; studying written works of literature that range throughout eras and genres from 19th Century Russian writers to early 20th century British dystopian authors to contemporary American rock journalists and bloggers; conducting multi-media projects of their own, using the internet, audio and video programs, blogs, social media, etc.; and writing formal analysis and research papers derived from various media, which call for self-directed gathering of new knowledge and keen critical breakdowns (of style and theme) within the different literary and cultural specializations. Depending on the focus of the course, students will also be given the opportunity to produce creative works of their own inspired by the media and genre stylings, so that they may put the techniques to action—recording and editing their own short film, producing a musical genre “mash-up”, drawing a comic, writing a short story in the Gothic or Mystery conventions, etc. English IV students are required to have three prior years of English classes. For our Advanced classes, students are required to have had either AP Language or AP Literature in their Junior year.

Journalism I, II, III, IV (Honors) (1.0 credit)

The main objective of this course is to create an online school newspaper that reflects our school community and equally reflects each student in the student body, Preschool 3-Grade 12. Our goal as a class is to continuously update the online newspaper with features, sports articles, editorials, and other forms of journalism such as audio and video clips.

MATHEMATICS

Algebra I (1.0 credit)

Prerequisite: Pre-Algebra

This first-year course in Algebra is intended to introduce many of the basic concepts that will be expanded upon as the student proceeds through the mathematics curriculum. Among the topics encountered are number systems, functions and relations, graphs, solving equations and inequalities, systems of equations, polynomials and factoring, and exponents and radicals. In addition, students may be exposed to various other areas, including matrix algebra and probability. The emphasis at this level is upon a thorough grounding in the methods and algorithms of equation and problem solving.

Geometry (1.0 credit)

Prerequisite: Algebra I

This is a first-year course in plane Euclidean Geometry. The course focuses on various logically based approaches to problem solving. Much time is spent doing proofs using a classic two-column format. Students are taught to use sketches to brainstorm potential strategies before writing proofs. They are also taught to keep their eyes open for counter-example situations which limit the applicability of some statement(s). Two central concepts are congruency and similarity. We study extensively the properties associated with various types of triangles, quadrilaterals, other polygons, and circles. The course ends with a unit on area and volume. Along the way students, are introduced to constructions using a straight edge and compass. Basic algebra skills are reinforced through the application of concepts.

Geometry (Honors) (1.0 credit)

Prerequisite: Algebra I

This is a first-year Honors course in plane Euclidean Geometry with excursions into finite and non-Euclidean geometries, as well as a look into some topics from topology. For most students, this will be the first course in which any rigor in proofs is required of them. Various approaches to proof (not just the traditional two-column proof of high school geometry) will be explored. Math as an axiomatic system is a unifying theme this year: implicit sometimes, while explicit at others. It is one of the intentions of this honors course to make the student aware that there is much more to geometry than just Euclid. In an attempt to explore the often-neglected inductive side of mathematics education, many of these additional topics will be introduced as discovery exercises that are investigated by students operating individually or in small groups.

Algebra II (1.0 credit)

Prerequisite: Algebra I and Geometry

This course is an extension of the student's first year exposure to algebra, as well as a solid preparation for precalculus mathematics. Students' equation solving skills are expanded to examine second degree and higher order, equations more completely. Graphing skills are emphasized for first- and second-degree equations and inequalities, and these skills are used to further emphasize the relationship between functions and the graphical representation of these functions. Students are introduced to elementary statistical ideas, as well as extending their elementary matrix skills and introductory probability theory. Exponential and radical expressions are dealt with, and the field of complex numbers is introduced through these expressions. Students are also introduced to exponential and logarithmic functions and examine their uses in problems of growth and decay.

Algebra II (Honors) (1.0 credit)

Prerequisite: Algebra I and Geometry

The topics and goals of this course include those of the Algebra II course, along with an in-depth analysis of trigonometric ratios, functions, and equations. Topics are studied at a greater depth than in the non-honors section, and students are expected to more completely demonstrate the ability to incorporate a variety of skills in their problem-solving approaches. Students in this course are expected to be on track for AP Calculus, and there is greater emphasis on the analytic skills that will be necessary for that level of work.

Precalculus (1.0 credit)

Prerequisite: Algebra II

Precalculus builds on the foundations mastered in Algebra I and II, as well as ideas incorporated from Geometry. Topics include algebraic functions, transcendental functions (exponential, logarithmic, and trigonometric), complex numbers, trigonometry, limits, and continuity. The graphing calculator is utilized extensively in this course as a means of arriving at a solution to a variety of different scenarios including solving systems of equations and graphical analysis. An emphasis is placed on strengthening and refining those skills necessary for Calculus and other higher-level mathematics and science courses. A secondary intention of this course is to develop in students a sense of the interdependence of various branches of mathematics.

Precalculus (Honors) (1.0 credit)

Prerequisite: Algebra II

The purpose of this course is to provide students with an introduction to a wide variety of advanced mathematical topics. At the end of this course, the student is well prepared for AP Calculus. The topics covered in this course include but are not limited to an introduction to sequences and series, analysis and graphing of functions (both algebraic and transcendental), polar coordinates and complex numbers, vector and matrix mathematics, and an introduction to probability and combinatorics. In addition, readings from various sources are used as the basis of discussion and essays that attempt to widen the students' mathematical horizons.

Probability & Statistics (1.0 credit)

Prerequisite: Algebra II

Probability and Statistics may be taken upon successful completion of Algebra 2. This is a great option for students who have completed Algebra 2 or Precalculus who prefer a statistics approach to higher level math. This course can also be taken in conjunction with the Calculus sequence. Unlike AP Statistics, this course will allow for ample data collection and analysis with a hands-on field approach. Topics will include but are not limited to random variables, data organization, averages and variation, elementary probability theory, binomial distributions, normal distributions, sampling distributions, confidence intervals, and hypothesis testing.

Calculus (Honors) (1.0 credit)

Prerequisite: Precalculus

Although offered as an alternative to AP Calculus AB, this course is also intended to offer the student the breadth and rigor of a first semester university course. As it is not tied to the College Board curriculum and does not require preparation for a specific testing format (no multiple-choice question emphasis), the pacing of this course has some flexibility allowing more time for the reinforcement of essential ideas. The topics presented in this course include, but are not limited to limits, the derivative as the rate of change of a function, applications of the derivative, the integral as a sum of an infinite series, applications of the definite integral, and elementary methods of integration.

Advanced Placement Statistics (1.0 credit)

Prerequisite: Precalculus

The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

Advanced Placement Calculus AB (1.0 credit)

Prerequisite: Precalculus Honors

The AP Calculus AB course focuses students' understanding of calculus concepts and provides experience with methods and applications. Through the use of big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), the course becomes a cohesive whole, rather than a collection of unrelated topics, requiring students to use definitions and theorems to build arguments and justify conclusions. The course features a multi-representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential.

Advanced Placement Calculus BC (1.0 credit)

Prerequisite: AP Calculus AB

The AP Calculus BC course applies the content and skills learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; develops additional integration techniques and applications; and introduces the topics of sequences and series.

College Algebra (1.0 credit)

Prerequisite: Algebra II (Requires permission for Department Chair)

This course is designed to reinforce and strengthen concepts introduced in Algebra I and II. Additional concepts include a comprehensive unit on Trigonometry including the Law of Sines and Law of Cosines. This class is primarily suited for Seniors who need to strengthen their math skills in preparation for their first collegiate level math class.

HISTORY & SOCIAL SCIENCES

American Government (College Prep or Honors) (1.0 credit)

This course is designed to be a detailed survey of the United States Governmental structure and the political environment in which it functions. Students will look at the history behind the emergence and establishment of our Democratic Republic, and explore in depth the thinkers, ideas, and dynamics that shaped our system, with special attention to social context in which it was crafted. They will take a special interest in distinct themes from our text: Politics is conflictual, and politics ultimately seeks to find a synthetic solution. They will be writing a major thesis paper in the second semester that should be founded on empirical evidence well-constructed and relevant. Finally, they will be reading extensively from their text and supplemental resources.

Advanced Placement United States Government and Politics (1.0 credit)

AP United States Government and Politics provides a nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. Students will practice the skills used by political scientists by studying data, political writings from the founding era to the present, the structure of the government as established by the Constitution, and constitutional interpretations handed down by the Supreme Court.

World History (College Prep) (1.0 credit)

This year-long course introduces students to world history with an emphasis on the time-period from 1200 C.E.-present. All regions are covered, including Africa, Asia, Europe, the Americas, and Oceania. Students are encouraged to think about history thematically and write essays that engage with economic, cultural, social, political, and environmental questions. Examinations and essays make up the primary components of student grades.

World History (Honors) (1.0 credit)

This year-long course introduces students to world history with an emphasis on the time-period from 1200 C.E.-present. All regions are covered, including Africa, Asia, Europe, the Americas, and Oceania. Students are encouraged to think about history thematically and write essays that engage with economic, cultural, social, political, and environmental questions. Examinations and essays make up the primary components of student grades. Entry into Honors World History is determined by prior History Department coursework and grades.

Advanced Placement World History: Modern (1.0 credit)

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

U.S. History (College Prep or Honors) (1.0 credit)

United States History is a survey course that begins with the European inhabitation of the North American mainland and ends with an examination of contemporary American society in the 21st century. The course is modeled after a freshman college-level course, predominantly lecture in style with examinations every two to three weeks. Emphasis is placed upon the developing students' abilities to think conceptually about U.S. history, as well as prose skills. Seven themes of equal importance provide the students with areas of historical inquiry for investigation throughout the course: America and National Identity; Politics and Power; Work, Exchange, and Technology; Culture and Society; Migration and Settlement; Geography and the Environment; America and the World. These themes require students to reason historically about continuities, changes over time, and making comparisons among various historical developments in different times and places. The course is designed to encourage students to become apprentice historians who can use historical facts and evidence in the service of creating deeper conceptual understandings of critical developments in U.S. history. Students develop their historical thinking skills through the legends, controversies, people, mistakes, and stories of our intricate past.

Advanced Placement United States History (1.0 credit)

In the AP United States History course, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

Civil Rights 1900-1970 (Honors) (0.5 credit)

This course will examine the complexities of Civil Rights and Liberties in the United States from 1865-1970. Students will be given the opportunity to learn about the struggles certain groups in the United States have experienced in obtaining and securing Civil Rights and Liberties. In addition, students will be given the opportunity to analyze the causes and effects of these struggles. In doing so, students will understand how these struggles of the past are connected to the struggles of present day. Students will analyze historical events and formulate their own opinions of complex and controversial topics, gaining a sharpened ability to think critically and formulate informed opinions.

Civil Rights 1971-Pres. (Honors) (0.5 credit)

This course will examine the complexities of Civil Rights and Liberties in the United States from 1970-present times. Students will be given the opportunity to learn about the struggles certain groups in the United States have experienced in obtaining and securing Civil Rights and Liberties. In addition, students will be given the opportunity to analyze the causes and effects of these struggles. In doing so, students will understand how these struggles of the past are connected to the struggles of present day. Students will analyze historical events and formulate their own opinions of complex and controversial topics, gaining a sharpened ability to think critically and formulate informed opinions.

Advanced Placement Macroeconomics (0.5 credit)

AP Macroeconomics is a semester course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Advanced Placement Microeconomics (0.5 credit)

AP Microeconomics is a semester course that introduces students to the principles of economics that apply to the functions of individual economic decision makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Advanced Placement Psychology (1.0 credit)

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation, and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. The AP Psychology course is designed to strengthen critical thinking skills such as data analysis, scientific investigation, and application of knowledge.

Advanced Placement Human Geography (1.0 credit)

A.P. Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. Students also study the methods and tools geographers

use in their research and applications. The A.P. Human Geography curriculum reflects the goals of the National Geography Standards (2012). There are no prerequisites for this course; however, students are expected to be able to read a college-level text and write grammatically correct, complete sentences.

SCIENCE

Biology (College Prep) (1.0 credit)

Biology is designed to be a broad-based course to introduce students to the diverse curriculum which comprises the biological sciences, but the course has narrowed the breadth of curriculum in favor of a thorough examination of core concepts and processes in biology. The course covers the basic organization of matter, cells, use of energy and metabolism, genetics, evolution, biological diversity, ecology, animal behavior, and animal systems. Scientific vocabulary and lab skills are very important in this course, and their mastery is fundamental to success in the course and the development of scientific literacy. This course also identifies the many contributions of biological science to the way in which we live and the quality of our lives. Science process skills (observation, measurement, graphing, interpretation, prediction, and writing) are emphasized through laboratory and field experience.

Biology (Honors) (1.0 credit)

Prerequisite: Physical Science or Advanced Physical Science

Biology Honors, like the college prep course, is a course designed to acquaint our students with the broad areas of interest that comprise modern biology. Biology is a huge field, ranging from the molecular and cellular fields, through genetics and evolution, energy, and metabolic systems, and on to biodiversity, anatomy and physiology, and the medical sciences. There is no way that a single course can adequately address these diverse fields, so we must try to introduce much of the field of biology, while presenting enough of the details to challenge, excite, and prepare our students for the topics that their college biology courses, including AP Biology, will likely focus upon. The Honors Biology course will challenge students with more demanding outside reading and writing assignments, more difficult testing, and a classroom environment which recognizes the students' inherent abilities. Upon completion of Honors Biology, students will have a greatly improved biological vocabulary; they will have a real appreciation for the scientific method; they will have had considerable laboratory experience; they will gain valuable experience in analyzing and interpreting a data set; they will have considered very many of the applications of biology to everyday life; and they will hopefully have developed a keen appreciation for the beauty and complexity of organisms and biological processes.

Physical Science 10 (1.0 credit)

Scientific Methods is a lab-based course that will prepare students to enter Chemistry and Physics classes with confidence in their lab skills, lab safety knowledge, lab equipment knowledge, math skills needed to perform and analyze chemistry and physics concepts, as well as teach students to read and write in science. The course will cover pre-lab setup and content knowledge of special topics, as well as post lab graphing, analyzing data, and writing conclusions.

Chemistry (College Prep) (1.0 credit)

Corequisite: Algebra II or higher

This course is a foundational study of the principles of chemistry. The course utilizes and builds the students' mathematics and communications skills through a discussion of chemistry that is relevant to the students' everyday experiences. The course covers the following topics in sequential order: classification of matter & change processes, scientific measurement & dimensional analysis, atomic structure, and electrons, understanding and using the periodic table as a tool, chemical bonding, nomenclature, mole calculations, chemical reactions, stoichiometry, gas behavior, solutions, and acid/base chemistry. The significant laboratory component of the course emphasizes safety, cooperative learning, hands-on laboratory skills, and data manipulation through both experiential discovery and reinforcement of classroom topics.

Chemistry (Honors) (1.0 credit)

Corequisite: Algebra II Honors or higher

Chemistry Honors is an introductory chemistry course designed to challenge the hard-working and high-achieving science student in the underlying principles of chemistry. This modern approach to chemistry is significant to everyday life experiences and calls upon the students' mathematics and critical thinking skills. The Chemistry Honors course is structured to be a solid foundation for more advanced study including, but not limited to, AP Chemistry. The scope and sequence are similar in content to Chemistry but, unlike Chemistry, is broader and deeper in its treatment of topics, includes more aspects of the science, and generally expects greater performance and independence from the student. Students in Chemistry Honors may move through content at an accelerated pace, cover additional concepts, execute higher-level mathematical manipulations, and be required to complete more complex assignments and assessments.

Physics (College Prep) (1.0 credit)

Prerequisite: Geometry and Scientific Methods or Chemistry

Corequisite: Algebra II or higher

Conceptual Physics is a first-year, inquiry-based awakening to the universe around us and how we interact with it in our daily lives. This class explores the ideas of mechanics, sound, and electricity using hands-on experiences, labs, examples,

and discussions. Students taking Conceptual Physics will be able to interpret, observe, measure, and explain some of the most common examples of physics as viewed in the real world after completing the course. Through opportunities to work cooperatively in the lab, students will learn how to engage with physics through creating and testing hypotheses. In addition, students will have opportunities to effectively communicate the results of their investigations to their peers while taking this course. A strong math background is not required; however, a basic knowledge of algebra will greatly aid a student in being successful in conceptual physics.

Physics (Honors) (1.0 credit)

Prerequisite: Algebra II Honors or higher

Corequisite Recommendation: Precalculus or Precalculus Honors

Physics Honors is first-year, inquiry-based study of our universe and our physical relationship with the matter and energy within. In this course, students will explore concepts of motion, energy, and electricity with an introduction to magnetism and optics. Throughout the course, students will develop and test hypotheses, communicating and inferring from collected data to prove some of the most important theories and ideas in Physics. They'll learn how to analyze sources of error, solve problems, and how to report their results to communicate what they've learned in class to their peers. A student of Honors Physics will use critical thinking and problem-solving skills to analyze and solve problems associated with the physical universe they experience every day. In addition to learning in the classroom, this course features a comprehensive lab component that introduces students to the protocols of lab safety, practical laboratory skills, and data analysis. Pre-Requisites: B+ or better in Algebra II Honors & Geometry and B or better in current Upper School science course and B+ in Algebra II Honors & Geometry with a B or higher on Physics placement test.

Marine Biology (0.5) Florida is home to many unique aquatic environments, both marine and freshwater. This course will involve the study and exploration of many of these amazing areas and organisms that make up our state. The semester course covers aquatic vertebrates and invertebrates with an emphasis on marine organisms. Field activities will be performed to mimic real world field work being done by fishery biologists.

Anatomy and Physiology (Honors) (1.0 credit)

Prerequisite: Biology or Biology Honors

This is an upper level, honors science elective for students interested in the structure and function of the human organism. It follows an organ-systems approach to the study of anatomy and physiology. This course requires mastery of a great deal of terminology and detail and should be intrinsically interesting to all students with a desire to understand how the human body functions. Students learn the structural features of tissues and organs and how these structures collaborate in the diverse functions associated with our systems. Homeostatic imbalances are an integral component of this course, as well as we consider the consequences of aging, genetics, environmental causes, etc. to the breakdown of normal organ-system functions.

Introduction to Computer Science I (Honors) (0.5 credit) *First Semester Only*

Students will be introduced to computer programming using Python. Students will learn variable declaration and processing, mathematical functions, decision structures, loops, and arrays. Students will then integrate these concepts into projects spanning automation, machine learning, and web development. In addition to coding, students will learn about high-end keyboard design and practice proper touch-typing technique to optimize their efficiency in the digital space. This class is intended for students interested in pursuing engineering and applied science in their future.

Introduction to Computer Science II (Honors) (0.5 credit) *Second Semester Only*

This course is a continuation of the Introduction to Computer Science I course and will further develop knowledge of computer programming using Python. This class is intended for students interested in pursuing engineering and applied science in their future.

Engineering Essentials (College Prep or Honors) (1.0 credits)

Engineering Essentials offers a multidisciplinary approach to teaching and learning foundational concepts of engineering practice, providing students opportunities to explore the breadth of engineering career opportunities and experiences and solve engaging and challenging real-world problems. By inspiring and empowering students with an understanding of engineering and career opportunities, Engineering Essentials broadens participation in engineering education and the engineering profession.

Principles of Biomedical Science (College Prep or Honors) (1.0 credits)

In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

Advanced Placement Computer Science A (1.0 credit)

Prerequisite: Algebra II

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

Advanced Placement Biology (1.0 credit)

Prerequisite: Biology or Biology Honors and Chemistry or Chemistry Honors

In the AP Biology course, students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. **LABORATORY REQUIREMENT:** This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Students should be able to describe how to collect data, use data to form conclusions, and apply their conclusions to larger biological concepts. Students should report recorded data and quantitative conclusions drawn from the data with appropriate precision (i.e., significant figures). Students should also develop an understanding of how changes in the design of the experiments would impact the validity and accuracy of their results.

Advanced Placement Chemistry (1.0 credit)

Prerequisite: Chemistry Honors, Algebra II Honors or higher, and completion of AP Chemistry Summer Review Packet

Corequisite: Precalculus Honors or higher

The AP Chemistry course provides students with a foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. **LABORATORY REQUIREMENT** This course requires that 25% of instructional time engages students in lab investigations. This includes a minimum of 16 hands-on labs (at least six of which are guided inquiry). It is required that students keep a lab notebook throughout.

Advanced Placement Physics I (1.0 credit)

Prerequisite: Algebra II Honors and Geometry and Physics placement test

Corequisite: Precalculus or Precalculus Honors

AP Physics I is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque, and rotational motion. **LABORATORY REQUIREMENT** This course requires that 25% of instructional time be spent in hands-on laboratory work with an emphasis on inquiry-based investigations that provide students with opportunities to demonstrate the foundational physics principles and apply the science practices.

Advanced Placement Physics C: Mechanics (1.0 credit)

Approval required

AP Physics C consists of two courses — Physics C: Mechanics and Physics C: Electricity and Magnetism. Mechanics is typically taught in the first semester, while Electricity and Magnetism (E&M) is taught in the second semester. Both courses use guided inquiry and student-centered learning to foster the development of critical thinking skills and use introductory differential and integral calculus throughout the course.

AP Physics C: Mechanics is a calculus-based physics course. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation.

AP Physics C: Electricity and Magnetism is also a calculus-based physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism.

Each AP Physics C course also includes a hands-on laboratory component. Students ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Students spend a minimum of 25 percent of instructional time engaged in hands-on laboratory work.

Advanced Placement Environmental Science (1.0 credit)

Prerequisite: Biology and Chemistry

The AP Environmental Science course engages students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. **LABORATORY REQUIREMENT** Although there are no specific AP Environmental Science labs or field investigations required for the course, it is required that students have the opportunity to spend a minimum of 25% of instructional time engaged in hands-on, inquiry-based laboratory and/or fieldwork investigations.

WORLD LANGUAGES

Chinese I (1.0 credit)

Chinese 1 is a year-long course for Oak Hall School Upper School students who have no previous experience with Mandarin Chinese. In this class, students will learn to use Modern Standard Chinese (Putonghua), also known as Mandarin, to achieve some basic communication goals of expressing information related to their daily lives. The year will start with some basic greeting, classroom phrases, and pronunciation. Then, they will continue with basic writing strokes, typing, sentence structures, and end the first semester with talking about families in basic conversations. In the second semester, students will extend their basic self-introduction from basic demographic information to other personal preferences such as clothing and color preferences and description of appearance and certain daily activities using Chinese language.

Chinese II (1.0 credit)

Chinese 2 College Prep is a year-long course for Oak Hall School Upper School students who have completed Chinese I, or Middle School Chinese A & B, in the previous school year. In this class, students will learn to use Modern Standard Chinese (Putonghua), also known as Mandarin Chinese, to achieve the communication goal of exchanging information around their daily activities. For example, school and afterschool activities are among the common conversation topics, students will learn to exchange and inquire information, describe situation, and negotiate the time and preferences using Chinese language.

Chinese II (Honors) (1.0 credit)

Chinese 2 Honors is a year-long course for Oak Hall School Upper School students who have completed Chinese I, or Middle School Chinese A & B, in the previous school year and have met the Honors course recommendation criteria. Chinese 2 Honors and Chinese 2 College prep. are typically taught in the same class period, using the same textbook. However, the tasks could be different. The expectations on the depth and amount of participation, assignments, and assessments are different.

Chinese III (1.0 credit)

Chinese 3 College Prep is a year-long course for Oak Hall School Upper School students who have completed Chinese 2 College Prep or Chinese 2 Honors in the previous school year. In this class, students will learn to use Modern Standard Chinese (Putonghua), also known as Mandarin Chinese, to achieve their basic communication goals of exchanging information around topics regarding significant events. For example, friend's birthday celebration, shopping for gifts, and taking sick leaves are some of the important events students will advance their language skills to learn about, inquire, and discuss these topics using Chinese language.

Chinese III (Honors) (1.0 credit)

Chinese 3 Honors is a year-long course for Oak Hall School Upper School students who have completed Chinese 2 College Prep or Chinese 2 Honors in the previous school year and met the Honors course recommendation criteria. Chinese 3 Honors and Chinese 3 College prep. are typically taught in the same class period, using the same textbook. However, the tasks could be different. The expectations on the depth and amount of participation, assignments, and assessments are different.

Chinese IV (Honors) (1.0 credit)

Chinese 4 Honors is a year-long course for Oak Hall School Upper School students who have completed Chinese 3 College Prep or Chinese 3 Honors in the previous school year and met the Honors course recommendation criteria. In this class, students will learn to use Modern Standard Chinese (Putonghua), also known as Mandarin Chinese, to achieve their communication goals of exchanging information around topics of their interests or concerns. For example, food and shopping preferences, living environment, and future plans are some of the important events students will advance their language skills to discuss, compare, and advocate using Chinese language.

Advanced Placement Chinese Language and Culture (1.0 credit)

The AP Chinese Language and Culture course in Mandarin Chinese emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Chinese Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Chinese. The AP Chinese Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

Latin I (College Prep or Honors) (1.0 credit)

In this course, students will be introduced to the Latin language, Roman civilization, and classical mythology of Greece and Rome. This introduction will offer students an entry level of knowledge into Latin's alphabet, vocabulary, and grammatical syntax in a way that promotes future fluency in the language. Studies will focus on memorizing forms and vocabulary, analyzing forms, and translating sentences and passages from the textbook, *Liber Digitalis* and ancillary digital flashcards. Daily quizzes will be based on vocabulary and forms, while class work and homework will come from the textbooks.

Latin II (College Prep or Honors) (1.0 credit)

In this course, students will continue their learning of the Latin language, Roman civilization, and classical mythology of Greece and Rome. Studies will focus on becoming proficient with forms and vocabulary, analyzing forms, and translating sentences and passages from the textbook, *Liber Digitalis* and ancillary digital flashcards. Daily quizzes will be based on vocabulary and forms, while class work and homework will come from the textbooks.

Latin III (College Prep or Honors) (1.0 credit)

In this course, students will continue their learning of the Latin language, Roman civilization, and classical mythology of Greece and Rome, with the addition of study into daily practical Latin (phrases, mottoes, abbreviations, and quotations) as well as Latin authors and adapted segments of their works. The class will focus on becoming proficient with forms and vocabulary, analyzing forms, and translating sentences and passages from the textbook, *Liber Digitalis*, as well as other adapted texts. Daily quizzes will be based on vocabulary and forms; class work and homework will come from the textbook. The second half of the course will be spent reading real Latin (Catullus, Horace, Ovid, Cicero) using the *Ovid Reader*, Cicero and Sallust, and other supplements. Daily quizzes will be based on vocabulary and forms, while class work and homework will come from the textbooks.

Advanced Placement Latin (1.0 credit)

The AP Latin course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's *Aeneid* and Caesar's *Galic War*. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context.

Classical Attic Greek (1.0 credit)

In this course, students will be introduced to the Greek language, Greek civilization, and classical mythology of Greece and Rome. This course will offer meaningful comparison of the Latin language taught in previous courses to the parallel language of Ancient Greek (mostly Attic dialect). Studies will focus on memorizing forms and vocabulary, analyzing forms, and translating sentences and passages from the textbook, *From Alpha to Omega* and ancillary digital flashcards. Daily quizzes will be based on vocabulary and forms, while class work and homework will come from the textbooks.

Spanish I (College Prep or Honors) (1.0 credit)

This course is the first step for language acquisition offered at the Upper School level. It aims to provide students with sound fundamental skills in the areas of listening, speaking, reading, and writing. This includes a considerable emphasis on grammar and vocabulary. An additional and not less important goal is for students to appreciate cultural differences and to distinguish the diversity of the Spanish-speaking world. Every effort will be made to create a comfortable environment in order to give students sufficient confidence to participate actively in class, be unafraid of making mistakes, and develop individual strategies to learn. Pair or group conversation, role-playing, and special oral presentations will be regularly practiced in the class.

Spanish II (College Prep or Honors) (1.0 credit)

In this class, we will establish the foundations necessary to achieve higher-level language proficiency by expanding upon students' understanding of Spanish language structure, grammar, and vocabulary. We will use a wide range of vocabulary, emphasizing usable phrases, to communicate on a variety of topics. In addition to grammar and vocabulary, our text will explore the geography and culture of the Spanish-speaking world. Students will: Attain a novice-mid level of proficiency in the four skills of listening, speaking, reading, and writing; develop an extensive vocabulary of usable words, phrases, and grammatical structure through appropriate reading and listening activities; use the present, present-progressive, past, imperfect, and future tenses as well as command forms (subjunctive) of common verbs; and engage in conversation and develop a degree of fluency in communication through extensive practice with prepared and unprepared speaking and writing activities.

Spanish III (College Prep or Honors) (1.0 credit)

The foundations established in Levels I and II are consolidated and expanded to enable the student to achieve a higher level of fluency and proficiency by using more complex structures and a wider range of vocabulary to communicate on a variety of topics. Students will attain a higher level of proficiency in the four skills of listening, speaking, reading, and writing; develop a broader vocabulary through extensive reading and listening activities; and use more complex grammatical structures, as well as demonstrate greater initiative and creativity in prepared and unprepared speaking and writing activities.

Pre-AP Spanish (Honors) (1.0 credit)

This course represents the first level of the advanced stage in language acquisition. It has been designed exclusively for students who are planning either to enroll in our AP Spanish Language & Culture course or to take Spanish in college the following year. It is assumed that students have developed an interest in learning a foreign language, regardless of the profession they ultimately choose. Consequently, the primary objectives of this class are to nurture lifelong learning strategies and to sharpen communicative skills. A general but not less important goal of the class is to create students who feel comfortable with people and cultures different from their own and who are willing to embrace a global perspective in their personal and professional lives. This class is conducted exclusively in the target language. Students will be asked to speak in the target language as much as possible. Every effort is made, however, to create a comfortable and non-threatening environment in order to give students sufficient confidence to express personal opinions without fear of extreme correction or criticism. Students are expected to take an active role in the daily activities of the class. Pair or group conversation is regularly practiced in the class, and students are required to do an increased amount of writing.

Advanced Placement Spanish Language and Culture (1.0 credit)

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpretive, interpersonal, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language & Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

FINE ARTS

*Members of the Arts Conservatory Program will be enrolled in the Honors course of their core discipline during their Freshman & Sophomore year. During the Junior and Senior year, students will be enrolled in the ACP course of their core discipline. Students completing their first crossover requirement will be enrolled in the Honors Fine Arts course of their choosing.

Art I (0.5 credit)

This course is a foundational art course designed to expose students to a wide variety of creative mediums, including drawing, painting, and printmaking. Understanding how the human eye sees the world and how artists developed a series of techniques and concepts to aid in creating the illusion of form, space and light on a two-dimensional surface are major topics of this class. Students also study paintings, drawings, and other works of art that emphasize ideas and concepts related to various studio projects. This activity facilitates an understanding and appreciation of art and art history. Art I is a prerequisite for Drawing and Painting and AP Studio Art.

Art II (0.5 credit)

Prerequisite: Art I

Using contemporary art techniques as the basis, students will produce meaningful and detailed work throughout the semester. As the course progresses, students will be inspired by various types of art from around the world and will use that knowledge to build their final project using a variety of media types.

Ceramics I (0.5 credit)

Earth, Air, Fire, and Water combine in ceramics to create one-of-a-kind objects by learning step-by-step techniques! We will focus on developing the skills we need to prepare clay, form it, and understand the stages of its development towards making useful ceramic treasures. Students will feel the accomplishment of using their hands to turn raw clay into objects of beauty and function. This project-based course begins with hand-building skills and moves along with progressively more challenging structures using these techniques. Wheel throwing, forming and glazing techniques will be explored and developed. Activities will be supported by appropriate planning skills for building or throwing. Looking at style, form, and function in ceramics will support development of student creativity.

Ceramics II (0.5 credit)

Prerequisite: Ceramics I

Students will review and extend their skills from Ceramics 1 and explore more advanced building methods and techniques. Planning and design will aid to produce more complex forms in Ceramics 2. Increased exposure to examples of style and techniques will support student learning and creativity. Ceramic makers will produce functional items that are appealing, with a form that is strong and durable. Craftsmanship and mastery of skills will move students towards a higher quality of finished work through building, throwing, texturing, and glazing experimentation. Students will create a body of ceramic objects to be proud of. Students will develop a greater variety of ceramic objects to proudly take home.

Drawing & Painting (Honors Only) (1.0 credit)

Prerequisite: Art I or Ceramics I

This course builds upon techniques and concepts learned in Art I. This course introduces students to the methods and techniques of painting and is designed to teach students how to "see" and render realistically and think creatively.

Students learn to understand and utilize the specific ideas, skills, and concepts which enable artists to create the illusion of space, form, and light on a 2-dimensional surface. The history, techniques, and styles of painting are examined through research, lectures, and demonstrations, with a growing focus on art of the twentieth century and contemporary art. From the outset of this course, students will work primarily from life, though as the course progresses, students will begin to develop their creative vision through a series of creative projects focusing on conceptual ideas.

Photography (0.5 credit)

Photography is a studio portfolio class. All work generated by this class is intended to build the quality of each student's portfolio, either directly or indirectly, to showcase his or her unique strengths. Students will work throughout the semester to develop a clear artistic voice for each student. Skills development takes precedence in this course, and a thorough and rigorous workflow through the technical aspects of the journey of an image from reality to a print will be a core theme throughout the term.

Advanced Photography (0.5 credit)

Prerequisite: Photography

Advanced Photography is a studio portfolio class. All work generated by this class is intended to build the quality of each student's portfolio, either directly or indirectly, to showcase his or her unique strengths. We will work throughout the semester to develop a clear artistic voice for each student. Artistic development takes precedence in this course, as a thorough and rigorous familiarity with the technical aspects of the journey of an image from reality to a print is assumed from the prerequisite of Photography I. Students in Advanced Photography will drive the curriculum and project-based learning, as the exceptional teacher to student ratio will allow for much more personalized instruction.

Art History (Honors Only) (0.5 credit)

Art History Honors will provide a study of the history and development of various concepts in art. Students will examine various themes and purposes of art and gain an understanding of various styles and philosophies of both Western and non-Western art history. Students will also gain exposure through museum and gallery visits while gaining a working knowledge of various media through hands on creation.

Creative Woodworking and Production (0.5 credit)

Creative Woodworking and Production is a course intended to introduce students to general woodworking practices. Students will expand their knowledge and experience through various projects, lessons, and vocabulary. Students will be expected to learn about and safely use hand tools, power tools, and woodworking machinery. The projects are designed to give students as much experience as possible by using many different machines and tools. There will be a collaboration with Performing Arts and the One School Musical sets and stage props.

Digital Fabrication and Robotic Arts (Honors Only) (0.5 credit)

Digital Fabrication & Robotic Arts is an introductory course to teach students how to create art and develop practical solutions using the latest digital fabrication and interactive technologies. The semester will be broken into three parts each with a specific focus. The first section will cover vector drawing in 2D using Adobe Illustrator or similar software and projects will be produced with a laser cutter or cnc router. The second section will cover 3D drawing using Autodesk Fusion 360 or similar software and projects will be printed with a 3D printer. The final section will cover basic electronics and interactive arts using Arduino microcontrollers and software to program and create interactive projects.

Publications (1.0 credit)

The main objective of this course is to create a yearbook that reflects our school community and equally reflects each student in the student body, Preschool 3-Grade 12. The goal as a class is to present a yearbook in May to the faculty, staff, and student body that reflects the experiences of this school year and is an accurate representation of everyone.

Intro to Theater / Theater I (0.5 credit or 1.0 credit)

Upper School students are offered Theater as a year-long elective. Drama in education allows students to hone life skills through a variety of activities facilitated by a teacher; among those skills are public speaking, teamwork, confidence, memorization, empathy, rejection, and working towards deadlines. This course will heavily focus on acting and making choices that are rooted in the text. Students will gain insight into the artistry as an ensemble, working closely with their classmates. In addition to their development as actors, students will also develop musical theater skills. Students will gain a greater understanding of acting and singing through learning about composers and lyricists and how their contributions affect the structure of the show. Students will also develop a deep understanding of collaboration and communication, essential skills in theater. Each year, students will build on the acquired skills from the previous years in order to better develop physical and emotional characters in addition to honing nuanced moments throughout dialogue and performance. Students will have the opportunity to compete at the Florida Thespian Festival at the end of Semester 1.

Theater II-IV (1.0 credit)

These upper division theater courses will focus heavily on acting and making choices that are rooted in the text. Students will gain insight into the artistry as an ensemble, working closely with their classmates. In addition to their development as actors, students will also develop musical theater skills. Students will gain a greater understanding of acting and singing through learning about composers and lyricists and how their contributions affect the structure of the show. Students will also develop a deep understanding of collaboration and communication, essential skills in theater. Students accepted into

the theater discipline of the Arts Conservatory Program will join students in the Upper School theater classes on a more rigorous track focused on character development and concept understanding as laid out by the work of Robert Cohen and Uta Hagen. In addition to their roles as actors and creative thinkers, students in this class will act as mentors for underclassmen and help guide the development of those seeking to better their theater skillset. Students will also serve a leadership role, representing Performing Arts cross-divisionally and acting as departmental ambassadors for the program. Students compete at the Florida Thespian Festival at the end of Semester 1 and will receive honors or AP weighting on their final grade and special designation on their diploma and college transcripts.

Adv. Music Ensemble (1.0 credit)

Audition Required

Advanced Music Ensemble consists of Upper School students, grades 9-12, playing a wide array of diverse and progressive music. The ensemble is open to all instrumentation including winds, voice, percussion, strings, guitars, piano, etc. Membership is subject to approval by the directors through interview or audition. There are many performance opportunities for students involved in this ensemble; last year, our students performed over 200 pieces of music during the school year including a trip and performance in Orlando. Participants in this ensemble must be enthusiastic, hard-working, open-minded, and mature. Self-directed projects are an important part of this class and opportunities for composition and arranging are offered frequently. Members are afforded the use of all studio equipment for recording and software for music composition. ACP music is a rigorous subset of the regular Upper School music Ensemble. All ACP members are enmeshed with non-ACP members in the class. The focus of this section is to give advanced students the opportunity to expand their technical facility on their instrument/voice, work on performance production, study composition/arranging, and become immersed in leadership. All ACP music students are required to co-produce one recital a semester; senior members must produce a full-length recital by themselves by the end of the year. Membership in ACP is through audition only. Students' grades receive honors.

Advanced Placement Music Theory (1.0 credit)

In the AP Music Theory course, students learn to recognize, understand, describe, and produce the basic elements and processes of performed and notated music. Course content extends from the fundamentals of pitch, rhythm, timbre, and expression to concepts of harmonic function, phrase relationships, and tonicization. Students study these concepts in heard and notated music, with emphasis on identification and analysis of musical features, relationships, and procedures in full musical contexts. Repertoire for analysis on the AP Music Theory Exam ranges from European Baroque pieces to folk and popular music from across the globe. Students develop musicianship skills through melodic and harmonic dictation, sight singing, and error detection exercises. Writing exercises further emphasize the foundational harmonic and voice leading procedures of Western art music.

The Art and Science of Digital Audio (Honors Only) (0.5 credits)

In this project-based class, students will learn fundamental Digital Audio Workstation (DAW) skills to explore sound, composition, and performance, and change the way they think about making music. This course will touch upon all of these fundamentals and cover aspects of production, sampling, effects processing, and workflow inside DAW software.

Advanced Placement Art and Design Program: Drawing (1.0 credit)

Prerequisite: Portfolio submission and teacher recommendation

AP Drawing is a studio portfolio class. This represents the highest level of Drawing and Painting that can be taken at Oak Hall School. The students selected for this class must sustain a high quality of work and motivation to complete the rigorous program. All work generated by this class is intended to build the quality of the portfolio either directly or indirectly so as to showcase each student's unique strengths. We will work throughout the year to develop a clear artistic voice for each student. The AP Drawing portfolio should demonstrate an understanding of all aspects and techniques of Drawing and Painting. Students will also use the elements of value, light, and shade, line quality, rendering of form, composition, surface manipulation, and the illusion of depth. They will use various drawing and painting mediums to achieve effective expression and will be actively encouraged to perform in-depth experimentation to effectively support the conceptual narrative they develop through their cohesive body of work.

Advanced Placement Art and Design Program: 2D Art and Design (1.0 credit)

Prerequisite: Portfolio submission and teacher recommendation

AP 2D Art and Design is a studio portfolio class. This represents the highest level of 2D Design that can be taken at Oak Hall School. The students selected for this class must sustain a high quality of work and motivation to complete the rigorous program. All work generated by this class is intended to build the quality of the portfolio either directly or indirectly so as to showcase each student's unique strengths. We will work throughout the year to develop a clear artistic voice for each student. The AP 2D Art and Design portfolio should demonstrate an understanding of the elements of art and principles of 2D Designs. Students use the elements of value, light, and shade, line quality, rendering of form, composition, surface manipulation, and the illusion of depth. They will use various media such as drawing, painting, collage, photography, and/or computer graphics to achieve effective expression and will be actively encouraged to perform in-depth experimentation to effectively support the conceptual narrative they develop through their cohesive body of work.

Advanced Placement Art & Design Program: 3D Art and Design (1.0 credit)

Prerequisite: Portfolio submission and teacher recommendation

AP 3D Art and Design is a studio portfolio class. This represents the highest level of 3D art that can be taken at Oak Hall School. The students selected for this class must sustain a high quality of work and motivation to complete the rigorous

program. All work generated by this class is intended to build the quality of the portfolio either directly or indirectly so as to showcase each student's unique strengths. We will work throughout the year to develop a clear artistic voice for each student. The AP 3D Art and Design portfolio should demonstrate an understanding of the elements of art and principles of 3D design. Students will use various media to achieve artistic expression and will be actively encouraged to perform in-depth experimentation to support the conceptual narrative they develop through their cohesive body of work.

PHYSICAL EDUCATION

Health (Life Management Skills) (0.5 credit) (Online only)

In this course, students will explore various topics related to health and well-being, as well as practical life skills. The objective is to help prepare students to make responsible choices for his or herself and create functional patterns of behavior to carry with them throughout their life. This course will be created for and tailored to the students' interests and needs. Topics may include, but are not limited to, financial management, nutrition, fitness, substance abuse, sex and reproduction, social media, and relationships. **This course is available online only through FLVS.**

Strength & Conditioning (0.5 credit)

Strength & Conditioning is designed to help the student identify the areas of fitness, health and/or athletic development that they desire to enhance through training. The purpose of the course is to provide the students the opportunity to assess and develop areas of fitness to help each reach their personal goals. Areas may include power lifting, speed and agility training, jump training, general fitness, aerobic training, metabolic training, HIIT, or various other health or performance-related programming.