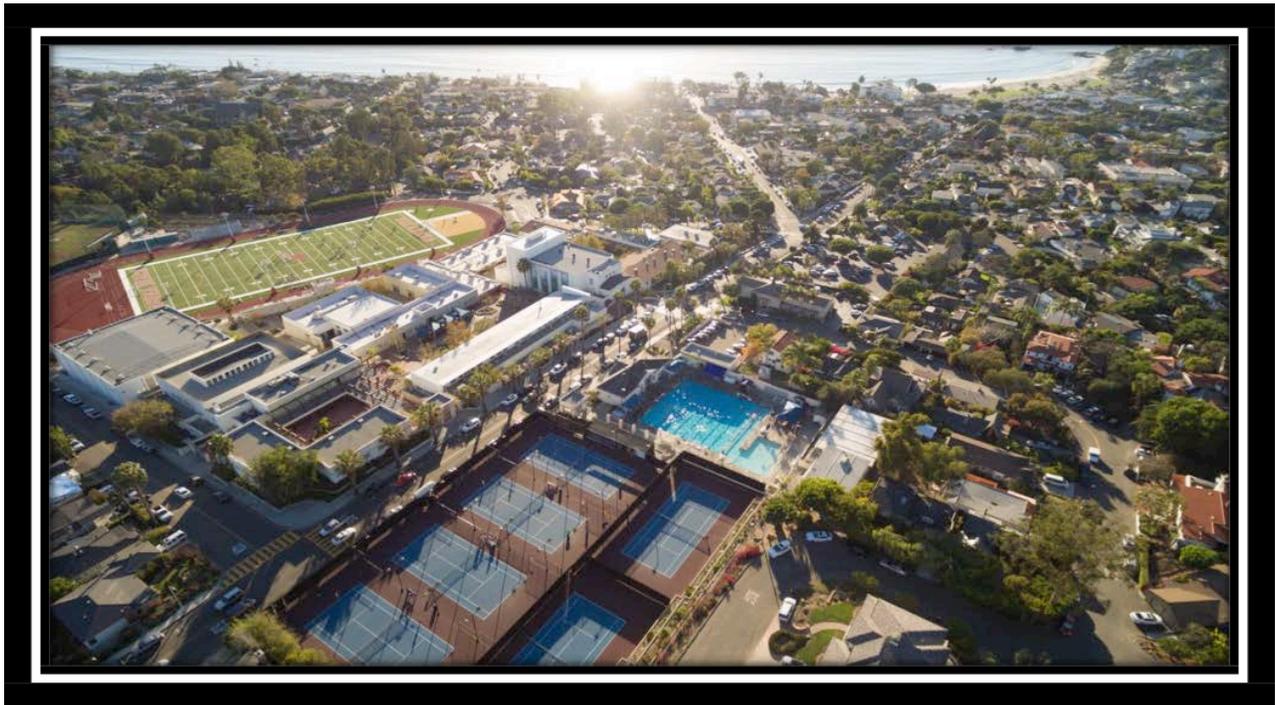




Laguna Beach High School

Our Mission is to maximize learning for every student in a supportive and caring environment to ensure that, upon graduation, all students are ready for college career and global citizenship.



625 Park Avenue, Laguna Beach, CA 92651

Course Catalog

2018-2019

March 12, 2018

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Non-discrimination Statement:

The Laguna Beach Unified School District desires to provide a safe school environment that allows all students equal access and opportunities in the district’s academic and other educational support programs, services, and activities. LBUUSD prohibits, at any district or school activity, unlawful discrimination, harassment, intimidation, and bullying of any student based on the student’s actual or perceived race, color, ancestry, national origin, ethnic group identification, age, religion, marital or parental status, physical or mental disability, sex, sexual orientation, gender, gender identity, or gender expression, or association with a person or group with one or more of these actual or perceived characteristics.

English Department

A310 English 9

Credit: 10 Credits/Year

Open to: Grade 9

Recommended Preparation: None

UC Approved: Yes

Description: English 9 is designed to expand writing, discussion, and critical reading skills through the study of literature. In addition, students review the eight parts of speech, phrases, clauses, sentence types, punctuation, and standard usage. Throughout this course, students will read a wide variety of genres. Students will be expected to express their ideas about literature, clearly in formal and informal essays, group discussions, and creative projects and assignments. The curriculum for English 9 is aligned with Common Core Standards.

Material and Resources: Fahrenheit 451, The Alchemist, Of Mice and Men, The Odyssey (excerpts), A Christmas Carol, Romeo and Juliet, Warriner's Handbook: Language and Sentence Skills Practice: Study Sync Online Resources.

2130 English 9 Honors

Credit: 10 Credits/Year

Open to: Grade 9

Recommended Preparation: Grade of A in English 8 and teacher recommendation

UC Approved: Yes

Description: Honors English 9 expands writing, discussion, and critical reading skills through the study of literature. In addition, students review the eight parts of speech and their functions, phrases, clauses, sentence types, punctuation, and standard usage. Throughout this course, students read critically a variety of genres and write a number of narrative, informational, and argumentative responses. The curriculum for Honors English 9 is aligned with the Common Core State Standards.

Materials and Resources: A Christmas Carol, The Chosen, The Alchemist, Of Mice and Men, Fahrenheit 451, The Odyssey, Romeo and Juliet, A Midsummer Night's Dream, Warriner's Handbook: Language and Sentence Skills Practice and MLA Handbook for Writers of Research Papers.

English Department

A320 English 10

Credit: 10 Credits/Year

Open to: Grade 10

Recommended Preparation: English 9

UC Approved: Yes

Description: English 10 is designed to build on those writing, discussion and critical reading skills developed throughout English 9. The course continues the teaching of vocabulary through literature. Students review parts of speech, phrases, clauses, sentence types, punctuation and standard usage as taught in English 9. Students will read and study a novel, short stories, poetry and drama and will respond to each literary genre in a variety of formal and informal writing assignments. Students will participate in large and small group discussions and produce individual work. The curriculum is aligned with the Common Core State Standards.

Materials and Resources: A Separate Peace, All Quiet on the Western Front, The Tragedy of Julius Caesar, Dr. Jekyll and Mr. Hyde, Animal Farm, Life of Pi and Study Sync Online Resources.

2131 English 10 Honors

Credit: 10 Credits/Year

Open to: Grade 10

Recommended Preparation: Grade of A in English 9 or A/B in Honors English 9

UC Approved: Yes

Description: Honors English 10 focuses on the study of literature in its historical context. The literature is used for the basis of discussion, critical thinking, literary analysis, and writing. Students will refine those writing skills taught in English 9. In addition to extensive selections of literature, the course includes the study of grammar, standard usage, and vocabulary. The curriculum is aligned with the Common Core State Standards.

Materials and Resources: How to Read Literature Like a Professor, Girl with a Pearl Earring, The Tragedy of Julius Caesar, The Picture of Dorian Gray, Animal Farm, A Doll's House, A Tale of Two Cities, All Quiet on the Western Front, The Joy Luck Club and Study Sync Online Resources.

English Department

A330 English 11

Credit: 10 Credits/Year

Open to: Grade 11

Recommended Preparation: English 10

UC Approved: Yes

Description: English 11 focuses on the study of American literature, primarily in the nineteenth and twentieth centuries, and also supplemented with twenty-first century texts. The literature is used for the basis of discussion, critical thinking, literary analysis and narrative informational, and argumentative writing. In addition to extensive selections of great American literature, the course also includes weekly Tier II and Tier III vocabulary, as well as grammar and usage for skill review and refinement. The curriculum is aligned with the Common Core Standards.

Materials and Resources: The Adventures Huckleberry Finn, The Crucible, The Catcher in the Rye, The Old Man and the Sea, The Great Gatsby, 40 Model Essays and Death of a Salesman.

A332 AP English Language – Language and Composition

Credit: 10 Credits Year

Open to: Grade 11 and 12

Recommended Preparation: Grade of A or B in Honors English 10 or English 11 and/or teacher recommendation.

UC Approved: Yes

Description: While preparing students to take the Advanced Placement test, the course provides training in close reading analysis as well as argumentative writing. In addition to practicing reading and essay test-taking techniques, organization and time management, students study the interactions among subjects, authorial purpose, generic conventions, and the resources of the English language. Assignments include analyses of test questions, analyses of rhetorical strategies, and argumentative essays. The expectation is that students will take the Advanced Placement Exam. The curriculum is aligned with the Common Core State Standards.

Materials and Resources: Everyday Use, One Hundred Great Essays, 40 Model Essays, 5 Steps to a 5, The Grapes of Wrath, The Cather in the Rye, The Prince, Travels with Charley, Fast Food Nation and Study Sync Online Resources.

English Department

A340 English 12

Credit: 10 Credits/Year

Open to: Grade 12

Recommended Preparation: English 9-11

UC Approved: Yes

Description: English 12 is a survey course with an emphasis on literature that requires students to demonstrate advanced literary analysis, refined essay writing, and critical thinking skills. Students will read thought provoking literature across multiple genres including novels, short stories, poetry, and works of non-fiction. Historical context, as well as modern day application, feature dynamically throughout each unit of study. Students will regularly construct literary responses, research papers, and real world application assignments (email, thank you note, resume) to develop college and career readiness. Additionally, each student will participate in a mock interview conducted by members of the local business communities. The curriculum is aligned with the Common Core Standards.

Materials and Resources: Oedipus the King, Antigone, Brave New World, Hamlet, Macbeth, Canterbury Tales, Wuthering Heights, Into the Wild, Frankenstein, and Study Sync Online Resources.

A348 AP English 12 – English Literature

Credit: 10 Credits/Year

Open to: Grades 11 and 12

Recommended Preparation: Grade of A or B in Honors English 10 or AP Language, teacher recommendation

UC Approved: Yes

Description: This course provides students with a learning experience equivalent to the introductory year of college literature course work. The course teaches students to read carefully and analyze critically. Through close reading of literary texts, students deepen their understanding of ways writers use language to provide meaning and pleasure for their readers. The course includes frequent opportunities to write formal, extended analyses and timed in class responses. The class demands disciplined time management to complete assigned reading and writing. The expectation is that students will take the Advanced Placement Exam. The curriculum is aligned with the Common Core State Standards.

Materials and Resources: Antigone, The Tragedy of Hamlet, Wuthering Heights, Adventure of Huckleberry Finn, The Awakening, Their Eyes Were Watching God, Death of a Salesman, As I Lay Dying, and Study Sync Online Resources.

Social Science Department

A215 Global Studies and Skills

Credit: 5 Credits/Semester

Open to: Grade 9

Recommended Preparation: None

UC Approved: No

Description: Global Studies and Skills is designed as a project-based learning transition course. Students will learn core academic language and skills that are vital for understanding the social sciences. Students will be lead through in-depth inquiry, problem solving, critiquing and revision in order to create a final product. Students will have the opportunity for individual choice and voice when creating final products. The goal is for students to be prepared upon entering courses of higher rigor. This course will introduce students to major disciplines of the social sciences, giving special emphasis to critical thinking, collaboration and writing to prepare students for academic success in college and future careers

A220 World History

Credit: 10 Credits/Year

Open to: Grade 10

Recommended Preparation: None

UC Approved: Yes

Description: Students will study major turning points that shaped the modern world from the late 18th Century through the present including the causes and outcomes of the two world wars. Students will trace the rise of democratic ideas and develop an understanding of the historical roots of current world problems. Students will examine various perspectives of events in order to better understand international relations. Students will discuss current issues and relate them to their historical, geographic, political, economic, and cultural contexts.

Social Science Department

A224 AP European History

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Grade of A in Global Studies and Skills, teacher recommendation

UC Approved: Yes

Description: This Advanced Placement course presents a college-level study of European history. Students enrolled in the course are expected to demonstrate knowledge of the basic chronology, major events, and trends from approximately 1450 A.D. to 1980 A.D. The goals of this course are to develop an understanding of some of the principle themes in modern European history and to develop an ability to analyze historical evidence through extensive writing assignments. The expectation is that students will take the Advanced Placement Exam.

A230 US History

Credit: 10 Credits/Year

Open to: Grade 11

Recommended Preparation: None

UC Approved: Yes

Description: Students in grade eleven study the major turning points in American history in the twentieth century. Following a review of the nation's beginnings and the impact of the Enlightenment on U. S. democratic ideals, students build upon the tenth grade study of global industrialization to understand the emergence and impact of new technology and a corporate economy, including the social and cultural effects. They trace the change in the ethnic composition of American society, the movement towards equal rights for racial minorities and women, and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students consider the major social problems of our time and trace their causes in historical events. They learn that the United States has served as a model for other nations and that the rights and freedoms we enjoy are not accidents, but the results of a defined set of political principles that are not always basic to citizens of other countries. Students understand that our rights under the U.S. Constitution comprise a precious inheritance that depends on an educated citizenry for their preservation and protection.

Social Science Department

A231 AP US History

Credit: 10 Credits/Year

Open to: Grade 11

Recommended Preparation: AP European History, grade of A in World History and English, with teacher recommendation

UC Approved: Yes

Description: AP U.S. History covers the spectrum of American history from the pre-Columbian period to the present day. Using chronological and thematic approaches to the material, the course exposes students to extensive primary and secondary sources and to the interpretations of historical events by a great variety of historians. Class participation through seminar reports, discussions, debates, and role-playing activities is required; special emphasis will be placed on critical reading and essay writing to help students prepare for the AP US History examination. The course is structured chronologically, divided into six units. Each unit includes the content from the nine periods and/or key concepts outlined in the AP U.S. History curriculum framework so that students are well prepared for the AP Exam.

A240 American Government

Credit: 5 Credits/Semester

Open to: Grade 12

Recommended Preparation: None

UC Approved: Yes

Description: Students in grade twelve pursue a deeper understanding of the institutions of American government. They compare systems of government in the world today and analyze the life and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive, and judiciary branches of government. An emphasis is placed on analyzing the relationship among federal, state, and local governments, with particular attention paid to important historical documents such as The Federalist. These standards represent the culmination of civic literacy as students prepare to vote, participate in community activities, and assume the responsibilities of citizenship.

Social Science Department

A245 AP American Government & Politics

Credit: 5 Credits/Semester

Open to: Grade 12

Recommended Preparation: Successful completion of AP US History with a grade of B or better, a passing score on the AP US History exam, or an A in US History.

UC Approved: Yes

Description: Advanced Placement American Government and Politics is a one-semester college level course in which students will spend 12-15 weeks in an intensive and extensive study of American Government. Students will read on a nightly basis from the text and other primary and secondary sources. Students will learn the constitutional underpinnings of the US government, the legislative, judicial, and executive branches of the government, as well as the federal bureaucracy. Students will also learn about the development, purpose, and current status of political parties and interest groups, basic theories of political behavior and political beliefs, and the process of the creation of public policy. The expectation is that students will take the Advanced Placement Exam.

A242 Economics

Credit: 5 Credits/Semester

Open to: Grade 12

Recommended Preparation: None

UC Approved: Yes

Description: In this one-semester course, students will study fundamental economic concepts and apply them to examples in the current national economy. Major topics of study include product markets, business organizations and measuring economic performance, fiscal and monetary policies, and international trade, apply them to examples in the current national economy. Major topics of study include product markets, business organizations and measuring economic performance, fiscal and monetary policies, and international trade.

Social Science Department

A246 AP Macroeconomics

Credit: 5 Credits/Semester

Open to: Grade 12

Recommended Preparation: A passing score on the AP US History exam or an A or B in the previous math class(es)

UC Approved: Yes

Description: In this one-semester college level course, students study the behavior of the national economy, develop an understanding of fundamental macroeconomics concepts, and apply them to real-world situations. Major topics of study include aggregate demand and aggregate supply, bank operations, monetary and fiscal policies, and international trade and finance. The expectation is that students will take the Advanced Placement exam.

Math Department

A611 Algebra I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: Algebra I presents concepts that include equations and inequalities; functions; writing linear functions; exponential functions (semester 1) polynomial equations and factoring; graphing quadratic equations and data analysis and displays (semester 2)

A620 Geometry

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Algebra I (9th graders grade of B or higher)

UC Approved: Yes

Description: This course presents major concepts of geometry, including parallel and perpendicular lines; transformations; congruent triangles; quadrilaterals; and other polygons; similarity (semester 1), right triangles and trigonometry; circles; circumference and area; volume and surface area and probability and statistics.

A620-A Accelerated Geometry

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Grade of A or better in both semesters of Algebra I

UC Approved: Yes

Description: This course is designed for students interested in math, science, technology, or computers as a career. Students learn the basics of Geometry, reasoning and proofs, parallel and perpendicular lines, transformations, congruent triangles, relationships within triangles, quadrilaterals and other polygons, and similarity in the first semester. In the second semester, students learn about right triangles, trigonometry (using 6 functions, degrees, and radians), circles and circumference, area and volume of solids, probability and statistics, and extend into a deeper understanding of parabolas (domain, range, focus, directrix, and writing and converting equations). This course is recommended for students who plan to take AP Calculus.

Math Department

A630 Algebra II

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Algebra I and Geometry

UC Approved: Yes

Description: The students will use the concepts of Algebra I and Geometry. Additional topics include quadratic functions; parent functions translations and reflections/domain and range; radicals and exponents; function notation; polynomial graphs and equations (Semester 1); log and exponential functions; rational functions and equations; sequences and series; trig functions/including reciprocal functions; and graphing the six trig functions (Semester 2)

A627 Algebra II Honors

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Grade of B or better in both semesters of Geometry. Grade of A in both semesters of Algebra I

UC Approved: Yes

Description: This course expands on the concepts of Algebra I and Geometry. Students learn about quadratic functions; parent functions translations and reflections/domain and range; radicals and exponents; function notation; polynomial graphs and equations; logs and exponential functions (Semester 1); rational functions; sequences and series; trig functions/including reciprocal functions; graphing the six trig functions; trig identities; trig equations; and inverse trig functions and equations (Semester 2). This course is recommended for students who plan to take AP Calculus AB.

Math Department

A642 Calculus

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Algebra II

UC Approved: Yes

Description: This course provides an introduction to traditional Calculus topics such as limits, differentiation and integration. It will also include integrated and engaging applications that show students the real-world relevance of topics and concepts from the business, economic and social sciences perspective. Students will learn and understand functions, graphs, limits, derivatives, integration and the fundamental theorem of calculus.

A650 AP Calculus AB

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Grade of B or better in both semesters of Honors Algebra II.

UC Approved: Yes

Description: Students will develop a working knowledge of definitions and theorems of Calculus in order to solve theoretical and practical problems in the following areas: engineering, business, physical and biological sciences and higher mathematics. Throughout the course, students will learn how to work with functions from a graphical, numerical, analytical and verbal perspective and make connections among these representatives. The expectation is that students will take the Advanced Placement Exam.

A651 AP Calculus BC

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: AP Calculus AB

UC Approved: Yes

Description: Calculus BC extends the content learned in AB to different types of equations (polar, parametric, vector-valued) and new topics such as Euler's method, integration by parts, partial fraction decomposition, and introduces the topic of sequences and series. The expectation is that students will take the AP exam.

Math Department

A636 Statistics

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Algebra II

UC Approved: Yes

Description: This course is designed for the student seeking a fourth year of mathematics but as an alternative to Calculus. This course is an introduction to probability, interpretation of data, and fundamental statistical problem solving. This course demonstrates a wide range of relevant issues and questions to be addressed with the help of statistical analysis. It employs the use of technologies such as the TI-84.

2483 AP Statistics

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Honors Algebra II

UC Approved: Yes

Description: This year long course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Four themes in this AP course are experimentation, anticipating patterns and statistical inference. Students will use technology, investigations, problem solving and writing as they build conceptual understanding. Students will be expected to describe patterns, plan and conduct a study, explore random phenomena using probability and simulation, estimate population parameters and test hypothesis.

2400 Algebra II Essentials

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Algebra I & Geometry

UC Approved: Yes

Description: This course expands on the concept of Algebra and Geometry. It focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions. This course also integrates geometric concepts and skills throughout the units. The course is meant to fulfill the third year math requirement.

Science Department

A708 Environmental Science

Credit: 10 Credits/Year

Open to: Grade 9-10

Recommended Preparation: None

UC Approved: Yes (Lab Science)

Discipline: Physical Science

Description: Environmental Science is an introductory science course that engages students with scientific principles from biology, chemistry, geology, and meteorology. Students will explore governmental-influenced environmental policy and societal functions in order to gain a true understanding of the interconnectedness of Earth, the functions of the natural world, and the influence of human activities. Students will design experiments and models, collect and analyze data, use technology, experience methods used by scientists in the field, and compare traditional and alternative solutions for current environmental issues to make previously-isolated studies come together. The skills gained by taking will prepare students for success in Biology.

A711 Life Science

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: No

Discipline: Physical Science

Description: This course is designed to be an activity-oriented approach to science. It will include a study of living things: plants and animals, environmental issues, and ecology. The study of human impact and environmental resources will also prepare students to cope with the basic scientific problems they may encounter from a community to global perspective. This course fulfills the life science graduation requirement.

Science Department

A720 Biology

Credit: 10 Credits/Year

Open to: Grade 9-10

Recommended Preparation: 9th graders: teacher recommendation. 10th Graders: Successful completion of Environmental Science.

UC Approved: Yes (Lab Science)

Discipline: Life Science

Description: Biology is the first of the three primary college-prep science courses (Biology, Chemistry, Physics) Biology is a rigorous course that begins by presenting the structure, chemistry and reproduction of cells. The cell is then used as an introduction and link to the study of microorganisms, plant life, animal life, genetics, evolution, and ecology. The course stresses attention to detail, individual responsibility, and study skills as preparation for college work.

A730 Chemistry & A731 Chemistry Honors

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Grades of C or better in Biology and Algebra I

UC Approved: Yes (Lab Science)

Discipline: Physical Science

Description: Chemistry is the second of the three recommended science pathway courses (Biology, Chemistry and Physics) Two levels of Chemistry are offered. Honors Chemistry and College Prep Chemistry. Both levels of chemistry are taught concurrently in the same classroom. After 6-weeks of instruction, students may choose their level of rigor (either Chemistry or Honors Chemistry). While the curriculum is the same for both levels, Honors Chemistry students are held to more rigorous standards on tests and lab write-ups. Both Chemistry and Honors Chemistry teach students the concepts and mathematical applications underlying the science of chemistry. Topics include atomic and molecular structure; chemical equations, thermodynamics, gas laws, acids and bases; oxidation/reduction; and chemical equilibrium. Lab work is an integral part of the course and is used to reinforce concepts discussed in class.

Science Department

A740 Physics

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Grade of C or better in Chemistry and Geometry (with right angle trigonometry). Concurrent enrollment in Algebra 2 or higher

UC Approved: Yes (Lab Science)

Discipline: Physical Science

Description: Physics is the third of the three primary science courses (Biology, Chemistry, Physics) Two levels of Physics are offered: The standard College Prep and Advanced Placement. Either level of physics prepares students for subsequent capstone science classes such as AP Biology and Advanced Chemical Research. Physics is a course of the systematic principles that govern the physical world. Emphasis is placed upon conceptual and mathematical understanding of physical phenomena. Topics will include Newtonian Mechanics, thermodynamics, electricity & magnetism, and waves. Student participation in laboratory exercises and the development of critical thinking and problem-solving skills will be stressed in this course.

A743 AP Physics I

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Grade of A in Honors Chemistry or a grade of B or higher in Physics. Concurrent enrollment in Honors Algebra II or higher.

UC Approved: Yes (Lab Science)

Discipline: Physical Science

Description: Physics is the third of the three science courses (Biology, Chemistry, Physics) Two levels of Physics are offered: College Prep and Advanced Placement. Students in AP Physics typically enroll after completion of the Physics course. May be taken in 11th grade as a 1st year course (pace of the course assumes a prior knowledge of physics.) Students explore principles of kinematics; Newton's laws of motion; torque; rotational motion and angular momentum; gravitation and circular motion; work, energy, and power; linear momentum; oscillations, mechanical waves and sound; introduction to electric circuits. The course is based on core scientific principles, theories and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world such as: Objects and systems have properties such as mass and charge. Systems may have internal structure. (2) Fields existing in space can be used to explain interactions. (3) The interactions of an object with other objects can be described by forces. (4) Interactions between systems can result in changes in those systems. (5) Changes that occur as a result of interactions are constrained by conservation laws. (6) Waves can transfer energy and momentum from one location to another without the permanent transfer of mass and serve as a mathematical model for the description of other phenomena.

Science Department

A743 Advanced Chemical Research

Credit: 10 Credits/Year

Open to: Grade 12

Recommended Preparation: Grades of A or B in Biology, Chemistry and Physics

UC Approved: Yes (Lab Science)

Discipline: Physical Science

Description: Advanced Chemical Research (ACR) is a unique course offering. This award-winning program aims to train STEM professionals by immersing students in authentic scientific research projects. ACR is an honors-level course designed to offer students an advanced study of chemistry with an emphasis on laboratory problem solving. The course assumes that incoming students have already mastered fundamental concepts in their Honors Chemistry classes. The course will allow students to investigate many aspects of chemistry through team-based experimental projects. Each project that a student embarks upon will occupy three to five weeks of class time, involving the steps of background research, planning, experimentation, analysis of results, and presentation of conclusions. Work done by ACR students has been published in peer-reviewed scientific journals.

A725 AP Biology

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Grade of A or B in Biology, Chemistry and Physics

UC Approved: Yes

Discipline: Life Science

Description: AP Biology is taken as a second year biology course. It is a deep and conceptually challenging curriculum designed as a capstone class. Many students concurrently enroll in both AP Biology and Advanced Chemical Research. The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course taken by biology majors during their first year of college. The expectation is that students will take the Advanced Placement Exam.

Science Department

A718 Marine Ecology

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Grades of C or better in Biology, Chemistry

UC Approved: Yes (lab Science)

Discipline: Life Science

Description: Marine Ecology is an activity-oriented lab class that provides an in-depth study of ocean ecosystems including physical and biological characteristics Integrated into the study of sea life. Students learn physical oceanography including a study of earth science as it applies to ocean habitats, the history of maritime science, technology, and aquaculture. Opportunities to research specific organisms will be included as a project. Students will be able to identify a diversity of marine organisms by learning the anatomy, physiology and life histories of organisms from all biological kingdoms. The core goal of the curriculum is to understand the ecology of marine life including population dynamics, tropic structure and the organization of communities. Throughout the year, the environmental impact on sea life will be examined using resources from local to global perspectives.

A726 Anatomy and Physiology

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Grades of C or better in Biology, Chemistry

UC Approved: Yes (lab Science)

Discipline: Life Science

Description: Anatomy and Physiology is a science elective course that is designed for students who have completed the recommended sequence of Biology, Chemistry, and Physics. This course offers an in-depth study of the specific structures, functions and processes involved in the various systems of the human body. Each body system will be studied in terms of organizational levels, starting at the cellular/tissue level and proceeding through to an analysis of the specific organ systems. Interdependence between systems will be emphasized as well as the concept of maintaining homeostasis within and between systems. Students will be exposed to a wide variety of lab experiences, and the course will be enriched with learning models, interactive software, and field experiences when possible. Medical issues will be investigated using science principles to focus the discussions. Students will be required to dissect a cat or other representative vertebrate as a learning model and lab practicum, which will serve as an integral assessment for the course.

Science Department

A716 Introduction to Engineering

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Chemistry and Physics (co-enrolled)

UC Approved: Yes as a “G” elective (Lab Science pending UC approval)

Description: Intro to Engineering is offered as a science elective to be taken after students have completed Biology and Chemistry and, as students are co-enrolled in Physics. Students may also choose to enroll in Intro to Engineering after completing Physics. The course emphasizes hands-on, project based learning in which students apply their knowledge of science. Students discover how engineers: create solutions for people; use a creative design process; design the products of our everyday lives; use computational thinking to develop solutions and collaborate to solve complex challenges. Students develop Engineering Design Skills through multi-level engineering design process that is both accessible to high school students and authentic to the experience of professional engineers.

A700 Human Ecology/ Health

Credit: 10 Credits/Year

Open to: Grade 9

Recommended Preparation: None

UC Approved: No

Description: This one-semester course provides students with a greater understanding of health problems commonly encountered in life. The component will include public health as well as personal, physical, and mental health. The textbook is utilized for the study of anatomy and physiology of the body, and the study of disease. Student seminars and guest speakers will also be arranged to further present topics such as alcohol and drug abuse, stress, self-esteem, runaways, suicide, eating disorders, and AIDS education. Family life education is also an integral part of this course. This course does not count as a science course for graduation requirement.

World Language Department

2214 Mandarin Chinese I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: Mandarin I introduces students to the fundamentals of Chinese language and culture. This course uses Pinyin system and simplified Chinese. The goals are to help students develop basic listening, speaking, reading and writing skills in Chinese and to understand the customs and life of modern China by demonstrating culturally acceptable behavior through classroom activities and projects. Areas of focus include the pronunciation with accurate tones, evolution of Chinese characters, as well as rules of phonetic spelling and writing system. After the first year of Mandarin Chinese, students are expected to be able to carry or respond to brief conversation, recognize over 200 Chinese characters, read short texts and write basic sentences. Songs and cultural activities related to seasonal festivals will be implemented to enhance language and cultural experiences.

2215 Mandarin Chinese II

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Mandarin Chinese I

UC Approved: Yes

Description: Mandarin II is a continuation course of Mandarin I. This course aims to help students further develop proficiency in Mandarin and expand knowledge of Chinese culture across the five standards: communication, culture, connection, comparisons, and community, and in three communicative modes: interpersonal, interpretive, and presentational as articulated by the ACTFL World-Readiness Standards for learning languages. Students will refine their tones and pronunciation; increase their vocabulary, and produces sentences with various grammatical structures. Emphasis will be placed upon practical use of Chinese through exposure to authentic texts such as short narratives, TV commercials, signs, tickets and brochures. Students are expected to be more expressive in daily conversation about broader topics, such as school life, daily schedule, shopping, clothing sizes, likes and dislikes, transportation and ability to read short essays. This course will integrate technology to facilitate better learning experiences. Cultural activities including legend related crafts and ethnic food origins would be introduced to enhance student's cultural awareness.

World Language Department

2223A Mandarin Chinese III

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Mandarin Chinese I, II

UC Approved: Yes

Description: Mandarin III is a continuation course of Mandarin II. This course helps students build abilities to use Mandarin Chinese language in real life. Area of focus includes the expansion of new vocabulary; idiomatic expressions and grammatical structure to further develop language skills in listening, speaking, reading and writing. Students will be exposed to materials composed for native speakers. Through a variety of media, group projects, and hands on activities such as video making communication, culture, connection, comparisons and community, and in three communicative modes: interpersonal, interpretive, and presentational as articulated by the ACTFL World and drama playing, students will also explore the culture, geography and history of China. Upon completion of this level, students will be able to talk about sports, health, direction, transportation and housing in Mandarin Chinese.

2223B Mandarin Chinese IV Honors

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Mandarin Chinese III (grade of A)

UC Approved: Pending

Description: Honors Mandarin IV is a more rigorous level IV class that prepares the students for the next year's AP Chinese Language and Culture course. Students will speak in Mandarin on a daily basis that demonstrate higher thinking level and are expected to show ability of perseverance to achieve higher language proficiency. Students will be able to debate, argue, write, and speak about historical and contemporary issues. Upon completion of this level, students will be able to talk about Chinese culinary schools, make travel arrangements, talk about house work and discuss ideal job futures in Chinese. Further study of Chinese culture will emphasize on bringing students cross-cultural awareness and perspective.

World Language Department

A510 French I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: This course emphasizes oral communication--listening and speaking-- and cultural awareness. Students learn “survival” French to be used both in the classroom and when they travel. Reading, writing, and basic grammar support the oral/listening activities given through comprehensible input. The class is conducted 70-80% in French. Students are required to participate on a daily basis and through this participation, will demonstrate their knowledge.

A520 French II

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: French I (grade of C or better)

UC Approved: Yes

Description: The class is conducted mostly in French. The class focuses on oral communication and stresses cultural particularities of the French-speaking world with students predominantly speaking French in class. There is an expansion of reading, writing, and grammar from the French I curriculum. Students are required to participate on a daily basis to demonstrate their knowledge and produce verbal French communication in authentic contexts.

A530 French III

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: French II (grade of C or better)

UC Approved: Yes

Description: The class is mainly conducted in French and aimed at increasing the proficiency in the five basic language skills: listening, speaking, reading, writing, and cultural awareness. Literature, social topics, and composition are emphasized. All students will be required to participate in debates and discussions relating to real life situations and topics concerning the culture of the French speaking countries of the world.

World Language Department

A540 French IV

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: French III (grade of C or better)

UC Approved: Yes

Description: The class is conducted in French to prepare students for the AP class. Oral proficiency and complex grammatical structures are studied in depth. Cultural themes are explored in an array of historical and contemporary social issues. Students will be able to debate, argue, write, and speak about numerous topics. Students will demonstrate higher order thinking skills, knowledge of literature, and spontaneous communication in multiple time frames. Furthermore, the course requires presentational communication (verbal/written) in the deeper layered format.

A541 French V

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: French III (grade of A) or French IV (grade of C or better)

UC Approved: Yes

Description: The class is conducted in French to enhance oral proficiency as well as cultural awareness. Literary works and complex grammatical structures are studied in depth. Students will be able to debate, argue, write, and speak about numerous topics in French from the French-speaking world. Higher order thinking skills, literature, and composition are further enhanced.

A550 AP French Language

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: French IV (grade of A or French V grade of C or better)

UC Approved: Yes

Description: Conducted in French, this course is a demanding, college-level course. Students prepare for the College Board Advanced Placement Exam through activities in context drawn from literature, movies, videos, audio, and interviews. Authentic culture from diverse French speaking countries is the main focus. Vocabulary and grammar studies are in context and intensive. The expectation is that students will take the Advanced Placement Exam.

World Language Department

A512 Spanish I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: This course will introduce students to the five basic communication skills of listening, speaking, reading, writing, and cultural awareness. The students will learn correct pronunciation, grammatical construction and cultural comparisons through comprehensible input in the target language. The class is conducted primarily in Spanish. In the course, students will develop the necessary skills to communicate in the target language and prepare to advance to the next level. Active daily participation is required. Students are expected to demonstrate their knowledge through meaningful communication about their environment and needs.

A513 Spanish II

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Spanish I (grade of C or better)

UC Approved: Yes

Description: This course is conducted primarily in Spanish. The class focuses on oral communication and stresses particularities of the Spanish-speaking world. There's an expansion of reading, writing, and grammar from the Spanish I curriculum. Students are required to participate on a daily basis to demonstrate their knowledge and produce verbal Spanish communication in authentic contexts.

World Language Department

2206 Spanish II Honors

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Grade of A in Spanish I and recommendation by Foreign Language Department

UC Approved: Yes

Description: The Spanish II Honors course is conducted in a communicative environment primarily in Spanish. The goal is to provide the student with varying degrees of proficiency that will enable communication in current daily activities, personal, informal, the re-telling of what has been read and the methods used to be able to partake in discussions. Expanded vocabulary and grammar structure are presented beyond the range of the regular Spanish II course. Furthermore, Spanish II Honors is an extremely rigorous and fast paced course that students have tested into based on his/her linguistic abilities. Spanish II thoroughly enhance students' language ability, cultural interest, and to serve as a gateway to becoming bilingual. Essentially, the curriculum is two years rolled into one year. It is intense at times but the 'heavy lifting' is very invigorating and challenging. The student will explore the values and traditions of the Hispanic world and its contributions through analyses of representative works of music, art, and literature.

A532 Spanish III

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Spanish II (grade of C or better)

UC Approved: Yes

Description: This class is conducted primarily in Spanish. Instruction is aimed at increasing the student's proficiency levels through activities that focus on meaningful, personalized communication. Further development of the student's awareness of the structure of the language is provided. The course is devoted exclusively to reading, conversation, vocabulary build-up, and oral/written expression. The main activity in the classroom is usage of the language in situational settings. This class includes further exploration of the diversity of Hispanic culture as experienced through literature, art, and music.

World Language Department

2207 Spanish III Honors

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Spanish II (grade of A or teacher recommendation)

UC Approved: Yes

Description: This course is conducted exclusively in Spanish. Instruction is aimed at a high degree of competency in the five language skills. The greater part of the course consists of a mastery of intermediate/advanced vocabulary, fine grammar points, reading, conversation in situational settings, and oral or written composition providing an in-depth exploration of the culture, the character and language of the Spanish-speaking people.

A534 Spanish IV

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Spanish III (recommended grade of C or better)

UC Approved: Yes

Description: This course provides the student with further development of his/her language skills beyond the intermediate level. Students are required to demonstrate the acquired skills of language through oral and written communication at higher levels of proficiency using complex grammar structures and vocabulary. An in-depth study of the diversity of the culture and literature is explored.

2298 Spanish IV Honors

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Spanish III (grade of A) and teacher recommendation or Honors Spanish III (grade of C or better)

UC Approved: Yes

Description: This course is conducted exclusively in Spanish. Students are required to demonstrate the acquired skills of language through communication (oral and written) at higher levels of proficiency using complex grammar structures and vocabulary. An in-depth study of the diversity of the culture is explored through thematic units such as technology & science, beliefs & ideologies, work & finances, family, ecology & environment, leisure time, the influence of the media and sports. This course prepares the student for the College Board SAT II exam and subsequent enrollment in AP Spanish language or Spanish V.

World Language Department

A535 Spanish V

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Spanish IV (grade of B or better) or AP Spanish Language

UC Approved: Yes

Description: This course is designed for those students who want to continue an advanced study of the Spanish language and culture. The course includes an in-depth study of the historical, political and literary movements of Spain, Latin America, Central America, Mexico, as well as the Hispanics of the United States. Students are also involved in outside projects, community service, investigation, interviews, and tutoring. Review of grammar, composition, oral presentations, and research projects are required.

A554 Spanish V Honors

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Spanish IV (grade of A) or AP Spanish Language

UC Approved: Yes

Description: Students will investigate and report on the major early works of Spain's literary giants and the major genres/themes that greatly influenced subsequent modern masters. This course encompasses the same topics as Spanish V as well as including the following literary pieces: El Poema De Mio Cid, El Conde Lucanor, El Libro De Buen Amor, Fuenteovejuna, Las Rimas De Bécquer, Bodas De Sangre, and La Casa De Bernarda Alba. Included is the poetry of Federico García Lorca, Antonio Machado, Calderón de la Barca, Sor Juana Inés De La Cruz, Miguel de Unamundo, and the stories by Ana María Matute and Gabriel Garcia Márquez. Students will be required to give oral and written interpretations and summaries of the authors' lives and historical events that influenced their literary pieces.

World Language Department

A553 AP Spanish Language & Culture

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Honors Spanish IV (recommended grade of A, or Spanish V/V Honors (grade of B or better)

UC Approved: Yes

Description: This course emphasizes conversation and composition relating to the culture, literature, and character of Spanish-speaking populations. It expands the student's proficiency in all of the five areas of second language acquisition: speaking, listening, reading, writing, and a knowledge and sensitivity to the culture of the Spanish-speaking people throughout the world through six themes: families and communities, science and technology, beauty and aesthetics, contemporary life, global challenges, and personal and public identity. An in-depth study/review of Spanish grammar is provided. The AP student reads, analyzes, discusses, and gives written and oral reports on cultural texts, periodicals, novels and short stories. The student must speak only Spanish in the class. The expectation is that students will take the Advanced Placement Exam.

A557 AP Spanish Literature

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Spanish V (B or better), Honors Spanish V and AP Spanish Lang

UC Approved: Yes

Description: This course includes, but is not limited to, the extensive reading of the poetry and literary pieces of the following five authors: Gabriel García Márquez, Ana María Matute, Federico García Márquez, Miguel de Unamuno, and Jorge Luis Borges. An in-depth analysis and investigation of each author's life is required. A complete review of Spain's historical past is investigated, as are the major literary events of Spain and South America. An overview of literary terminology, interpretation of poetry, and practice AP exams will be provided. This course specifically prepares students for advanced course study at the university. The expectation is that students will take the Advanced Placement Exam.

Visual & Performing Arts Department

A409 Introduction to Art

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: This year long course is designed for students interested in visual art. Students will learn how to draw and paint by examining edges, space, light, and shadows. They will use different mediums and techniques, and develop a creative approach to making art. First semester, students will study art in world cultures, drawing, digital drawing, watercolor, and printmaking techniques. In the second semester, students will learn about color theory and art history, and they will create paintings, digital paintings, animation, and mixed media artworks.

2898 Art Studio Honors

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: None

UC Approved: Yes

Description: This course is designed for students interested in advanced art as a career study and portfolio development through media experimentation. Opportunities for apprenticeships may also be arranged with local artists to work directly in specialized areas of art. The instruction of the business aspect of art will include elements that comprise a successful art portfolio in preparation for the AP Studio Art courses.

A439 AP Studio Art 2-D Design

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: GPA of 3.5 or above in previous art classes and completed a minimum of two years in a concentrated study of Art/ Digital Photography.

UC Approved: Yes

Description: The AP Studio Art program enables students to do college-level work in studio art while in high school. AP Studio Art is not based on a written examination; instead, candidates submit a portfolio of work for evaluation at the end of the school year. Students build a body of work that shows evidence of principled of design using photography, painting, or mixed media. Guidelines for the Portfolios were designed to accommodate a variety of interests and approaches to art. The three sections of the portfolio are: quality – the development of a sense of excellence in art; concentration – a commitment in depth to a particular artistic concern; and breadth – a variety of experiences in the formal, technical and expressive means available to an artist. The expectation is that students will take the Advanced Placement Exam.

Visual & Performing Arts Department

A438 AP Studio Art Drawing

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Students should have a 3.5 GPA or above in previous art classes and completed a minimum of two years in a concentrated study of Art.

UC Approved: Yes

Description: The AP Studio Art program enables students to do college-level work in studio art while in high school. AP Studio Art is not based on a written examination; instead, candidates submit a portfolio of work for evaluation at the end of the school year. Students will study drawing, create a body of work showing line, form, depth, and mark-making through a variety of material that can include printmaking, painting, mixed media, watercolor, charcoal, and ink. The guidelines for the AP Studio Art Portfolios have been designed to accommodate a variety of interests and approaches to art. The three sections of the portfolio are: quality – the development of a sense of excellence in art; concentration – a commitment in depth to a particular artistic concern; and breadth – a variety of experiences in the formal, technical, and expressive means available to an artist. The expectation is that students will take the Advanced Placement Exam.

A414 AP Studio Art: 3D Design

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Completion of Advanced Ceramics with a grade of B or better

UC Approved: Yes

Description: AP Studio Art: 3-D Design is for students who are interested in the practical experience of a college level art class. This course is a yearlong course designed for students who have a proficient grasp of clay building techniques as well as surface finishes. In AP Studio Art: 3-D Design students will investigate all aspects of the Advanced College Placement three-dimensional portfolio, which includes three sections: Quality, Concentration, and Breadth. AP students will be encouraged to express themselves through their own personal style, and develop high quality college level artworks that are student driven. It is also expected that if a student enrolls in the AP Studio Art: 3-D Design class that they submit a portfolio to the AP exam. If students pass the AP portfolio exam, they will be eligible to gain college credit, placement or both.

Visual & Performing Arts Department

A487 Digital Photography

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Students should have a 3.5 GPA or above in previous art classes and completed a minimum of two years in a concentrated study of Art.

UC Approved: Yes

Description: Digital Photography is a year course designed for students interested in photography and learning basic camera functions, digital manipulation, and principles of elements and design. Students will acquire skills to create, represent, and design through digital photographic and software media. Students will explore their interests in photography through project-based artwork; learn career opportunities, historical perspectives, and commercial applications.

A488 Digital Photography Honors

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Digital Photography I

UC Approved: Yes

Description: Honors Digital Photography is a course designed for students who are interested in photography and would like to expand their techniques and art appreciation. Students who meet the requirements of this course may advance to AP Studio Art 2-D Design and complete a photography portfolio. This is a full- year course where students will investigate social documentary, constructed photography, and art history in order to create a portfolio of work. Teacher led studio workshops will assist the student's comprehensive knowledge on lighting, camera angles, and composition.

A413 Ceramics I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: Ceramics I is a year-long introductory course to ceramic arts that is designed for students with no clay experience. Students explore three- dimensional design through learning all the 5 clay-building techniques, as well as many clay surface finishing effects. Functional and non-functional forms in art history will be introduced and discussed. Students are encouraged to experiment, take risks, make mistakes, and practice. A year of ceramics meets the Visual and Performing Art elective requirement, as well as the UC admission requirements.

Visual & Performing Arts Department

A416 Ceramics II

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Passed Ceramics I with a B or better

UC Approved: Yes

Description: Ceramics II students will explore three-dimensional design in greater detail through new hand building and wheel throwing assignments as well as in depth ceramic technique driven assignments. Both functional and non-functional forms in history will be introduced, discussed as well as applied to assignments. Throughout this course students are able to focus on technical, historical, aesthetic, cultural and contemporary concerns of clay artists and sculptors as they develop their own personal and artistic style of creating art. Ceramics II studio student inter-disciplines include: Potter's Wheel: wheel throwing can be narrowed down to specific types of forms or throwing methods. Sculpture: sculpture can be narrowed down to additive, subtractive, positive or negative relief. Hand building: hand building can be narrowed down by a particular hand building method, i.e. coiling, pinch, mold or slab building.

2908 Video Production I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: The Video Production course will provide students with a basic understanding of the technology behind video as an information medium and some of the ways in which it is created to achieve its desired effect. Upon completion, students will be able to demonstrate production skills and techniques related to producing a variety of video formats. Example formats include producing a school news program, "How to," community documentaries, and promotional advertising commercials.

Visual & Performing Arts Department

A808 Video Production Advanced

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: No CTE: No Articulated: No

Description: This course will provide students with a deeper understanding of video production as a form of artistic expression. During the year, students will fine-tune their production skills by producing the school web series. Students will have a chance to individually explore advanced techniques such as time lapse, animation, and digital effect and create innovative film projects in advanced genres such as avant-garde, film noir and animation.

5713 Graphic Design Fundamentals

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: Formerly Computer Art, this course is designed to prepare the student to operate the Macintosh computer, scanners and a variety of printers. The student will gain a functional understanding of the computer and its operating system. This class will also provide information and experiences fundamental to the understanding of visual expression, composition, principles, and elements of art and design utilizing the computer. A series of projects will be assigned to introduce students to artistic techniques on the computer. Lessons include exploring techniques in drawing and painting. Advanced software programs, such as Adobe Photoshop, Adobe Illustrator, and Adobe InDesign will be used. This class represents the foundation to subsequent and more advanced computer art classes. A graphic art portfolio will be developed.

Visual & Performing Arts Department

5622 Multimedia Design CCA

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Computer Art, ROP Multimedia Design, teacher recommendation

UC Approved: Yes

Description: Students will work on projects using skills learned in prior digital graphics classes. Throughout the year, students will do district wide projects that include designing and producing playbills, catalogs, posters, t-shirts, banners and wall murals, etc. Learn new design techniques using the Adobe Suite and Corel Draw and be exposed to printing on a variety of mediums. Students will gain entry-level competency in the skills required for employment. Integrated throughout the course are Career Preparation Standards, which include basic academic, safety, communication, interpersonal, and problem-solving skills, as well as an emphasis on workplace safety, technology, and employment literacy.

5714 Multimedia Design Advanced CCA

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Multimedia Design

UC Approved: No

Description: Students will be leads on projects using skills learned in prior digital graphics classes. Throughout the year students will do a district wide projects that include designing and producing playbills, catalogs, posters, t-shirts, banners and wall murals, etc. Learn new design techniques using the Adobe Suite and Corel Draw and be exposed to printing on a variety of mediums. Integrated throughout the course are Career Preparation Standards, which include basic academic, safety, communication, interpersonal, and problem-solving skills, as well as an emphasis on workplace safety, technology, and employment literacy.

Visual & Performing Arts Department

5751 3D Design CCA

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Multimedia Design Production

UC Approved: Yes

Description: This course is concerned with visualization and creation of 3D computer-generated models and their applications in today's manufacturing, multimedia, communications, and publishing industries. Students will be instructed in the principles of 3D modeling using state-of-the-art modeling software. In a laboratory setting, students will have an opportunity to practice the strategies and methods commonly used in creating and solving 2D and 3D geometric problems. Students will be introduced to a variety of 3D model applications as they are used in illustration, engineering, design, documentation drawing, entertainment, and animation. In addition to developing a working knowledge of 3D terminology and concepts, each student will learn how to create a variety of 3D geometric models from technical drawings, sketches, real models and written descriptions. This course aligns with and/or incorporates the State Occupational Content Standards, State Language Arts Standards and Career Performance Standards.

5621 Multimedia Production CCA

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: This course is designed for students in the active creation and production of original artistic designs, digital illustrations and graphic media. Technical training is integrated into stages design assignment with the outcome depending on the successful uptake of these skills; this includes Adobe Photoshop, Illustrator, InDesign, CorelDraw, DTG, sublimation, 3D printing, plotting, screen printing and laser cutting. Demonstrations of specific tools, methods of achieving certain results, and basic best practices are given for each assignment and the Adobe programs used in lectures and handouts given both at the beginning and throughout an assignment.

Visual & Performing Arts Department

A454 Wind Ensemble

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Audition or teacher recommendation

UC Approved: Yes

Description: This course concentrates on advanced musical development through the preparation and performance of high quality musical compositions. Students will study advanced instrumental techniques, performance practices, style, and form as it relates to the wide variety of selected musical compositions. Assignments include: home practice, small group practice (section rehearsals, large group rehearsals outside of school time, and performance attendance.

A463 String Ensemble

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Audition or teacher recommendation

UC Approved: Yes

Description: This course concentrates on the development of musical technique and knowledge necessary for high quality performance of all styles of music. Assignments include home practice, small group practice, and rehearsals after school hours, performance attendance, and performance at school gatherings.

A455 Jazz Ensemble

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Audition and concurrent enrollment in Marching Band or Wind Ensemble (any exceptions must have director's approval)

UC Approved: Yes

Description: This course concentrates on the development of advanced musical technique and knowledge necessary for high quality performance of all styles of music written in the jazz idiom. Assignments include: home practice, small group practice (sectional rehearsals, large group rehearsals after school hours, performance and attendance in jazz festivals, and performance at school gatherings.

Visual & Performing Arts Department

A457 Introduction to Guitar/Ukulele

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: The Guitar/Ukulele class is designed to provide students with an introductory experience. Students will learn proper playing technique and instrument care, as well as reading standard notation, chord, symbols and tablature. Students will also study basic music theory, composers, and significant players. Grading: Participation is 70% - daily in class active participation, punctuality and attentiveness, being prepared for class; playing text/quiz 20% - announced/unannounced; final exam 10% - a solo or duet performance.

A462 AP Music Theory

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Teacher Recommendation

UC Approved: Yes

Description: The Advanced Placement (AP Music Theory course enables students to do college level work in the areas of reading and analyzing notated music and aural training. Particular emphasis will be placed upon developing listening skills, sight singing ability and knowledge of rhythm, melody, harmony, form and other compositional devices. Students will be endowed with the skills necessary to function intelligently in any musical situation. The work of the course will emphasize preparation for the advanced placement music theory examination. Course Objectives: The ultimate goal of the Advanced Placement Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of this goal may be best promoted by integrated approaches to the student's development of Aural skills, Sight-singing skills, Written skills, Compositional skills and Analytical skills through various exercises. Taking the AP test is not required, although it is recommended. The AP Examination in Music Theory tests the student's understanding of musical structure and compositional procedures through recorded and notated examples. Strong emphasis is given to listening skills, particularly those involving recognition and comprehension of melodic and rhythmic patterns, harmonic functions, small forms, and compositional techniques. Most of the musical examples are taken from standard repertoire, although some examples of contemporary, jazz, or vernacular music or music beyond the Western tradition are included for testing basic concepts. The examination assumes fluency in reading musical notation and a strong grounding in music fundamentals, terminology, and analysis.

Visual & Performing Arts Department

5718A Dance II

Credit: 10 Credits/Year (PE credit given until 20 credits met, then VAPA credit given)

Open to: Grade 9-12

Recommended Preparation: Placement Required

UC Approved: Yes

Description: In this yearlong course, students will be held to intermediate standards in the training and study of Jazz, Ballet, Hip-Hop, Modern/Lyrical, Improvisation, and Dance Composition. Students will learn correct vocabulary and technical execution in reference to these units. Class activities will be given for students to reflect on and analyze personal technical proficiency and growth as well as draw connections between daily work, other academic areas, and college or career pathways in dance. Students will also develop an appreciation for dance as an art form through readings and class discussions on the contributions of dance to history, culture, and society. A dance-conditioning regimen will be practiced along with information about how adequate fitness and nutrition can enhance personal well being in the studio and beyond. In addition, 20% of the total grade in this course will be from participating and performing in two annual productions. Students will learn and rehearse choreography from faculty, peers, and guest artists for these productions, as well as how to present themselves in auditions. Finally, students will learn how to document an electronic portfolio of their work experience in the Winter Concert.

5718B Dance III

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Placement Required

UC Approved: Yes

Description: Students will be held to advanced standards in the training and study of Jazz, Ballet, Hip-Hop, Modern/Lyrical, Improvisation, and Dance Composition. Students will study vocabulary and technical execution in reference to these units, including activities to reflect on and analyze personal technical proficiency and growth, and draw connections between daily work, other academic areas, and college or career pathways in dance. Students will develop an appreciation for dance as an art form through readings and class discussions on the contributions of dance to history, culture, and society. A dance-conditioning regimen will be practiced, including adequate fitness and nutrition information, to enhance personal well-being in the studio and beyond. 20% of the total grade in this course is participation and performance two annual productions. These performance opportunities, including performances in the Winter Pep Rally and home football games, allow for technique application in real-world settings as ambassadors for dance on campus and within our surrounding communities. Finally, students will document an electronic portfolio of their work experience in the Winter Concert. Upon completion of this class, students will possess a broader knowledge of dance techniques,

Visual & Performing Arts Department

5718B Dance III (Continued)

enhanced movement capabilities of the body, and a greater sense of individual expression.

2356 Dance Company (Performance Course)

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Concurrent Enrollment in Dance IV; Audition Required

UC Approved: Yes

Description: In this yearlong course, students will be held to pre-professional standards in the training and study of Jazz, Ballet, Hip-Hop, Modern/Lyrical, Improvisation, and Dance Composition. Students will learn correct vocabulary and technical execution in reference to these units. Class activities will be given for students to reflect on and analyze personal technical proficiency and growth as well as draw connections between daily work, other academic areas, and college or career pathways in dance. A dance-conditioning regimen will be practiced along with information about how adequate fitness and nutrition can enhance personal well being in the studio and beyond. In addition, 20% of the total grade in this course will be from participating and performing in two annual productions. These performance opportunities, along with performances in pep rallies, home football games, and other events such as the Patriot's Day Parade, allow for students to apply their technique in real-world settings as ambassadors for dance on campus and within our surrounding communities. Finally, students will learn how to document an electronic portfolio of their work experience in the Winter Concert. Upon completion of this class, students should possess a broader knowledge of dance techniques, enhanced movement capabilities of the body, and a greater sense of individual expression and autonomy.

A435 Drama

Credit: 5 Credits/Semester (Fall or Spring)

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: Yes

Description: This beginning level course provides an opportunity to explore the elements of drama and build confidence in speaking and presenting. The student will develop a basic understanding of acting and musical theatre techniques, develop an appreciation for theatre as an art form, analyze text, and create characters. Skills acquired are transferable to other subject areas, college, career, and beyond. Students may have an opportunity to perform in a showcase at the conclusion of each semester. Please note this course meets after school.

Visual & Performing Arts Department

A415 Drama Production

Credit: 5 Credits/Semester (Fall or Spring)

Open to: Grade 9-12

Recommended Preparation: Audition Required

UC Approved: Yes

Description: This project-based course is open to all levels by audition. Students acquire skills and build confidence through participation in a professional- style rehearsal process, culminating in public performances of a fully staged play or musical. The rehearsal process is extensive and requires commitment in regards to both time and effort. Students may have opportunities to work with outside directors and choreographers, in addition to guest artists and various LBHS drama staff members. Please note this course meets in the evenings and on some weekends.

5743 Theatre II

Credit: 5 Credits/Semester (Fall or Spring)

Open to: Grade 9-12

Recommended Preparation: Audition Required

UC Approved: Yes

Description: Intermediate and advanced performers develop skills in the classroom as well as through rehearsal and performance. Course content includes both acting and musical theatre. Students participate in at least one showcase per semester and may have opportunities to work with outside directors and choreographers, in addition to guest artists and various LBHS drama staff members. Please note this course meets after school and requires a teacher recommendation.

A450 Chorus

Credit: 10 Credits/Year (After School Monday and Wednesday)

Open to: Grade 9-12

Recommended Preparation: Audition Required

UC Approved: Yes

Description: In this course, the student will experience many styles of choral literature, correct vocal technique, and music theory through careful preparation and performance of music from most music periods (including today's contemporary styles). Assignments include: home practice and memorization, small group practice, occasional full group practice after school hours, and performance participation.

Electives

A005 Leadership (ASB)

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Application, election, and appointment to student body office

UC Approved: No

Description: This course is geared to helping students develop as school and community leaders. Students learn leadership and decision-making skills; participate in school and local community projects and activities; and discuss relevant social and school-wide issues. This is a mandatory class for all members of student government. Students must enroll for both semesters.

2536 Peer Leadership

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Application

UC Approved: No

Description: This course emphasizes communication skills and the tools necessary to help other students with common adolescent problems. Students will discuss issues relevant to our campus and have guest speakers on related topics. Peer counselors welcome new students, provide peer tutoring, and get involved in community service projects. Students will research philanthropic opportunities locally and globally and create projects to assist in these causes.

5769 Graphic Publication (Yearbook)

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Grade C or better in English

UC Approved: Yes

Description: Yearbook/Media Publication is designed to meet the standards of Common Core and the demands of the 21st Century. This two-semester course combines reading, writing, and critical thinking skills of print journalism, with the creative and aesthetic skills of graphic and visual arts. The course will teach the basic elements of photography, journalism, editorial writing, graphic design and editing, and enhances research and inquiry skills. The breadth of instruction and practice will culminate with the publication of the school yearbook.

Electives

A027 Journalism

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Grade of C or better in English the previous year

UC Approved: No

Description: Journalism students collaborate to produce The Brush and Palette, a student newspaper published seven to eight times throughout the school year. Beginning as reporters, students grow into leadership roles as page editors, public relations managers, photography editors, and editors-in-chief. Students learn the fundamentals of newspaper writing, web reporting, photography, and layout design. Staff members embrace the challenges of capturing the diversity of opinions on campus, verifying the accuracy of their content, and representing the school with pride. The class focuses on teamwork and partnership as students serve as liaisons to the academic, athletic, and administrative corners of campus. Opportunities extend at times beyond the immediate school community through partnerships with the local community. The ideal journalism experience would span a student's four-year high school career; however, a student can find reward and purpose in joining the class as an upperclassman as well.

2870 AP Art History

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: None

UC Approved: In Progress

Description: The AP Art History course explores such topics as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history.

Electives

2816 Gallery Display and Exhibition

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Intro to Art and Art Studio Honors

UC Approved: Yes

Description: This course is designed to introduce students to a variety of aspects in working and running a gallery exhibition and portfolio development. The focus of this course examines the role that exhibitions play in communicating knowledge and explores the variety of display methods within the language of exhibits. Students will understand the different roles of a curator, art director, gallery manager, museum exhibit designer, and communication designer. Students will learn how to create an Exhibition Brief; a method for organizing the "Big Idea" of an exhibit for museums, galleries, or companies. Students will go on field trips to galleries, museums, and businesses and analyze exhibits to gain an understanding of a target audience and develop exhibits of their own. Students will learn how to communicate clearly through design and create marketing tools using Adobe InDesign and Illustrator. This course is aligned with Career and Technical Education Standards and CA Visual Arts Standards.

2472 AP Computer Science Principles

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Concurrent enrollment in Algebra I

UC Approved: Yes

Description: Computer science is everywhere, from our smartphones and video games to music, medicine, and much more. AP Computer Science Principles (AP CSP) can help you understand how computing and technology influence the world around you. Learn how to creatively address real world issues while using the same tools and processes that artists, writers, computer scientists, and engineers use to bring ideas to life. This class allows students develop: computational thinking, computer logic, algorithms, games, apps, programs from robots, an understanding of how information is transferred on the Internet; and how to keep information safe online (cyber security basics). The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course.

Electives

2470 AP Computer Science A

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Completion of AP CSP & Algebra I

UC Approved: In progress

Description: The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using java language. Language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. In addition, students in the AP Computer Science A course should be comfortable with functions and the concepts found in the uses of function notation, such as $f(x) = g(h(x))$. AP Computer Science A is equivalent to a first semester, college level course in computer science.

A4521 Marching Band

Credit: 5 Credits Fall Semester (P.E. Credit given for Marching Band)

Open to: Grade 9-12 (This class is held after school)

Recommended Preparation: Teacher Recommendation

UC Approved: No

Description: The focus of this class concentrates on musical development, development of better physical coordination, and the development of leadership skills. Such development occurs through the preparation and performance of high quality music compositions and drill. P.E. credit is offered, if needed. Assignments include: home practice, small group practice (section & squad rehearsals), full group rehearsals after-school hours, and performance participation. In school gatherings (pep assemblies, football games, etc.), parade competitions, field show competitions, and winter concert.

Electives

A453 Drumline

Credit: 5 Credits Fall Semester (P.E. Credit given for Drumline)

Open to: Grade 9-12 (This class is held after school)

Recommended Preparation: Teacher Recommendation

UC Approved: No

Description: The focus of this class is to concentrate on musical development through drums/percussion performance, development of better physical coordination, and the development of leadership skills. This group is also designed to be a competitive unit and will be performing throughout Southern California in drumline competitions during the spring. Assignments include: home practice, small group practice, full ensemble rehearsals, and performance observation and performances in competitions. This class is held after school with performances on weekends. Attendance is mandatory.

A260 International Relations/Model United Nations

Credit: 10 Credits/Year

Open to: Grade 9-12 (This class is held after school on Tuesdays)

Recommended Preparation: Successful completion of the spring MUN program at Thurston, successful completion of the MUN Summer Bridge Program or completion of Global Studies and Skills.

UC Approved: Yes

Description: Through research, debate and simulation, students learn international policy. Students take part in authentic simulations of the UN General Assembly, UN Security Council and other multi-national agencies. Simulations take place in class and at various conferences throughout the country. A typical simulation requires students to research a country as well as an issue currently on the United Nations' Agenda. Students then submit a position paper to the conference, and assume roles of ambassadors of the country they are representing and debate/negotiate their country's position as it applies to the issue. Model United Nations develops the following skills: research, writing, public speaking, problem-solving, consensus building, conflict resolution, compromise and cooperation. Classes meet 6:30 p.m. to 8:30 p.m. on Tuesdays. Conferences take place one weekend per month.

Electives

2798 Financial Literacy

Credits: 5 credits/semester

Open to: Grade 11-12

Recommended Preparation: None

UC Approved: Pending

Description: Students will study the concepts of budgeting, consumerism, banking, credit, investment, insurance, and financial security to become fiscally independent, responsible, and successful adults. In order to make this course as relatable to young adults as possible, the units are arranged in chronological order of life experience. Real-life experiences will be incorporated into the curriculum, such as field trips, guest speakers, real forms and documents, and a central project in which students create a simulated budget that progresses through the entire semester as new concepts are introduced.

A301 ELD-English Language Development

Credits: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Score Level A on the IPT II

UC Approved: Yes

Description: This course will prepare ELD students for mainstream college prep English and at the same time satisfy college prep requirements during the transitional phase. This will be accomplished through utilizing a comprehensive digital and blended print literacy program (iLit). Furthermore, an intense focus on the writing process, self and peer editing will lead to effective writing skills for a multitude of purposes. The focus on form, function and vocabulary will take into account students' current proficiency levels as they improve upon and further develop cognitive academic language proficiency (CALP) specifically; connotative and denotative meaning of vocabulary. Grammar, punctuation, spelling, and systematic development of such linguistic control will be emphasized.

CCA-ROP College & Career Advantage

Description: (CCA - ROP) provides Career Technical Education (CTE) courses to high school students throughout the Capistrano/Laguna Beach Unified School Districts. CCA provides career pathways that prepare students to be college and career ready upon graduation from high school. Classes are available to all students' grades 9-12, both on campus during the bell schedule and off campus after-bell. Many courses are UC a-g approved or articulated for early college credit and some provide internships at area businesses in a variety of industries. Curriculum includes core academic skills, employability skills and technical, job-specific skills that prepare students for high-demand careers.

Physical Education

A1501/A1502 Fitness/Wellness

Credit: 5 Credits/Semester

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: No

Description: This course is designed to help students develop a lifelong commitment to their physical fitness, well-being, health, and fitness with an emphasis on a variety of physical activities and an active lifestyle. The class focuses on personalized fitness programs to address individual student goals and needs. Programs include a daily participation in cardiovascular activity, core training, and resistance training. Cardiovascular activities include: treadmill, stationary bikes, stair climbers, as well as use of the track and stadium. Core training involves activities targeting the abdominals and lower back. Resistance training includes a wide variety of fitness machines and free weights that address all the major muscle groups.

A1513/A1514 Advanced Athletic Conditioning

Credit: 5 Credits/Semester

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: No

Description: Advanced athletic conditioning is a course designed for competitive high school athletes. The class will consist of a variety of different training methods to enhance strength, power, speed, quickness, flexibility, and improved athletic performance. Training techniques will include; Olympic lifts, strength training, plyometrics, agilities, core training, and sport specific training. Athletes will also be exposed to popular training programs such as crossfit, P90X, and insanity. With the new CIF participation rule, limiting athletes to 18 hours per week, this course will allow athletic teams to have their players complete training workouts without cutting into valuable practice and facility time. The class will also allow athletes to complete training programs designed by their individual sport coaches.

A026 Cheer

Credit: 10 Credits/Year (PE credit given)

Open to: Grade 9-12

Recommended Preparation: 2.0 GPA, competitive selection process through spring tryouts

UC Approved: No

Description: The squad members must maintain a 2.0 GPA and satisfactory citizenship, show proof of insurance, attend all class and assigned athletic events, pep assemblies, community service projects, and all practices for the year. P.E. credit is granted each semester.

Physical Education

2355 Dance I

Credit: 10 Credits/Year 10 Credits/Year (P.E. credit given until 20 credits met then VAPA credit)

Open to: Grade 9-12

Recommended Preparation: None

UC Approved: No

Description: In this yearlong course, students will be held to beginning standards in the training and study of Jazz, Ballet, Hip-Hop, Modern/Lyrical, Improvisation, and Dance Composition. Students will learn correct vocabulary and technical execution in reference to these units. Class activities will be given for students to reflect on and analyze personal technical proficiency and growth as well as draw connections between daily work, other academic areas, and college or career pathways in dance. Students will also develop an appreciation for dance as an art form through readings and class discussions on the contributions of dance to history, culture, and society. A dance-conditioning regimen will be practiced along with information about how adequate fitness and nutrition can enhance personal well-being in the studio and beyond. In addition, 20% of the total grade in this course will be from attending the Winter Dance Concert to produce a paper and participating and performing in the Spring Dance Concert. Upon completion of this class, students should possess a broader knowledge of dance techniques, enhanced movement capabilities of the body, and a greater sense of individual expression and autonomy.

Athletics

Athletics

Credit: 5 Credits/Semester

Open to: Grade 9-12

Recommended Preparation: All sports teams require students to try-out

UC Approved: No

Description: Pursuant with California Interscholastic Federation rules, student athletes may earn academic credit for participation on high school sports teams. The LBHS athletic program develops a highly competitive and accelerated team program. *Eligible students (approved by Athletic Director) meet LBHS academic and citizenship standards, residential, and CIF academic requirements.*

FALL SEASON	SPRING SEASON
A105 Cross Country (B)	A116 Baseball (B)
A108 Cross Country (G)	A117 Golf (B)
A104 Football (Coed)	A172 Softball (G)
A111 Golf (G)	A170 Swimming (B)
A130 Surf (Co-ED)	A171 Swimming (G)
A166 Tennis (G)	A113 Tennis (B)
A106 Waterpolo (B)	A112 Track (B)
A165 Volleyball (G)	A168 Track (G)
A164 Sand Volleyball (B)	A118 Volleyball (B)
WINTER SEASON	A161 Sand Volleyball (G)
A110 Basketball (B)	2570 Lacrosse (B)
A109 Basketball (G)	2571 Lacrosse (G)
A186 Soccer (B)	
A132 Waterpolo (G)	<i>Students participating in these sports will be expected to submit proof of an annual physical examination and health insurance coverage. These sports are required to meet every day during the season. Students with absences may be dropped from the team and enrolled in Fitness and Wellness (See Physical Education).</i>
2572 Wrestling (Coed)	
A162 Soccer (G)	