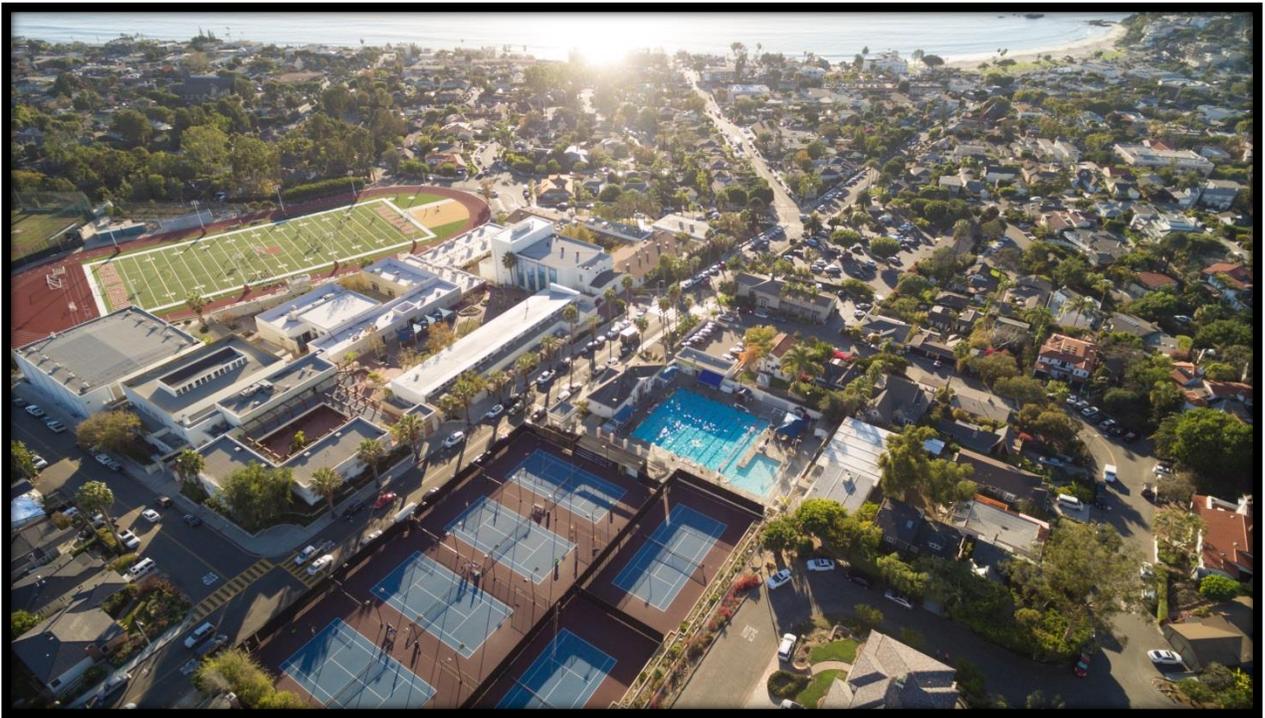




Laguna Beach High School

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

2017-2018

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Nondiscrimination 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. LBUSD 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.

Special thanks to all LBHS Staff & Teachers, Andy Crisp, Mr. Wittkop, Jen deEncio and students Justin Ghetian, Marisa Schatz and Megan Mindte for their contributions to this Course Catalog.

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 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 the Common Core Standards.

Materials and Resources: Fahrenheit 451, The Alchemist, Night, The Odyssey (excerpts), The Chosen, Romeo and Juliet, Prentice Hall Literature, Gold Level: Timeless Voices, Timeless Themes; Vocabulary from Classical Roots, Writing and Grammar, Gold Level; and MLA Handbook for Writers of Research Papers.

2130 Honors English 9

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; Night; Fahrenheit 451; Mythology; The Odyssey; Romeo and Juliet; A Midsummer Night's Dream; Prentice Hall Literature, Gold Level: Timeless Voices, Timeless Themes; Vocabulary from Classical Roots; Warriner's Handbook: Language and Sentence Skills Practice; and MLA Handbook for Writers of Research Papers.

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 supplementary words from the literature as well as SAT-prep vocabulary. Students review parts of speech, phrases, clauses, sentence types, punctuation, and standard usage as taught in English 9. Students will read and study the 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: Prentice Hall Literature, Platinum Level; Prentice Hall Writing and Grammar, Platinum Level; Vocabulary from Classical Roots, Word Smart, A Separate Peace, A Tale of Two Cities, Epic Hero literature, All Quiet on the Western Front, The Tragedy of Julius Caesar, and Candide.

English Department

2131 Honors English 10

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: A Tale of Two Cities, How to Read Literature Like a Professor, Candide, Elements of Style, MLA Handbook for Writers of Research Papers, Girl with a Pearl Earring, The Mayor of Casterbridge, The Importance of Being Earnest, The Picture of Dorian Gray, The Tragedy of Julius Caesar, Warriner's English Grammar and Composition, Fourth Course; and Word Smart, and All Quiet on the Western Front.

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 for English 11 is aligned with the Common Core State 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; Prentice Hall Literature, 5 The American Experience: Timeless Voices, Timeless Themes; Princeton Review: Cracking the SAT; Word Smart, 4th edition; and MLA Handbook for Writers of Research Paper.

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 subject, 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, On Writing Well, The American Experience: Timeless Voices, Timeless Themes; Word Smart, The Grapes of Wrath, The Catcher in the Rye, The Prince, Travels with Charley, Fast Food Nation.

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 in British Literature, from the early medieval period to modern times. The course will focus on advanced literary analysis, refined essay writing, and critical thinking skills. Students will read various works from the anthology as well as a variety of novels. These will be studied in the historical context of Britain at the time of publication. Students will write literature response papers on a regular basis, an essay suitable for college applications, a resume, research papers, and persuasive essays. In addition, students will undergo a mock job interview and complete formal email and thank-you note assignments to develop college and career readiness. The curriculum is aligned with the Common Core State Standards.

Materials and Resources: McDougall and Littell, *British Literature*; *Oedipus the King*, *Antigone*; *Brave New World*, *Hamlet*, *Macbeth*, *Canterbury Tales*, *Lord of the Flies*, and *Frankenstein*.

A348 AP English 12 – English Literature

Credit: 10 Credits Year

Open to: Grade 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: *On Writing Well*, *The Nuts and Bolts of College Writing*, *Poetry in Perrine's Literature*, *Structure, Sound and Sense*, 10th edition; *Wuthering Heights*, *Oedipus the King*, *Huck Finn*, *The Awakening*, *Their Eyes Were Watching God*, *Death of a Salesman*, *As I Lay Dying*, *Hamlet*.

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.

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

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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.

A231 AP US History

Credit: 10 Credits Year

Open to: Grade 11

Recommended Preparation: AP

European History is highly recommended or 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.

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 with a goal of passing the AP exam in early May. 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

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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.

A246 AP Macroeconomics

Credit: 5 Credits Semester

Open to: Grade 12

Recommended Preparation: A passing score on the APUS History exam or an A or B in the previous math/foreign language 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.

Mathematics Department

A611 Algebra I

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: None

UC Approved: Yes

Description: Algebra I presents concepts that include equations and inequalities; functions; writing linear functions; systems of equations and inequalities; 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: Grades 9-10

Recommended Preparation: Algebra I (recommended 9th graders taking Geometry earned a grade of B or higher in Algebra I)

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 (Semester 2).

A630 Algebra II

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: Algebra I and Geometry

UC Approved: Yes

Description: This course expands on 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 Honors Algebra II

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation:

Recommended 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.

A640 Pre-Calculus

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation:

Recommended grade of C or better in Algebra II

UC Approved: Yes

Description: This course is designed for college-bound students with plans to take Calculus in college. Functions and

Mathematics Department

Graphs; Polynomial and Rational Functions; Exponential and Logarithmic Functions; Sequence, Induction, and Probability; Introduction to Calculus (limits) (Semester 1). Trigonometric Functions; Acute Angles and Right Triangles; Radian Measure and the Unit Circle; Graphs of Circular Functions; Trigonometric Identities; Inverse Circular Functions and Trigonometric Equations; Vector; Polar Equations (Semester 2).

A642 Calculus

Credit: 10 Credits Year

Open to: Grade 11-12

Recommended Preparation: Grade of B+ or better in both Semesters of Alg. 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: Grades 10-12

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

UC Approved: Yes

Description: This course is designed for the above average, college-bound student interested in math, science, technology, or computers as a career. This is a course aligned with the College Board's

Advanced Placement class. It covers functions, limits, derivatives, integrals and applications. The expectation is that students will take the Advanced Placement Exam.

A651 AP Calculus BC

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: AP Calculus AB

UC Approved: Yes

Description: The course is designed for the above average, college-bound student interested in math, science, technology or computers as a career. This course is aligned with the College Board's Advanced Placement class. It is more in-depth than the AB level covering limits, derivatives, integrals, sequences, and series. The expectation is that students will take the Advanced Placement Exam.

A636 Statistics

Credit: 10 Credits Year

Open to: Grades 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-83.

Mathematics Department

2483 AP Statistics

Credit: 10 Credits Year

Open to: Grades 10-12 **Recommended**

Preparation: Honors Algebra II

UC Approved: Pending

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: Grades 11-12 **Recommended**

Preparation: Algebra I and Geometry

UC Approved: No

Description: This course expands on the concept of Algebra I and Geometry for students who do not yet have the foundational skills to successfully complete Algebra II. It focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem solving. The course is meant to fulfill the third year math requirement or as a bridge to Algebra II.

Science Department

A708 Environmental Science

Credit: 10 Credits Year

Open to: Grades 9-10

Recommended Preparation: None

UC Approved: Yes (Lab)

Discipline: Physical Science

Description: LBHS 9th graders will start with either Biology or Environmental Science. Both are UC approved as a Lab Science. Environmental Science is an introductory science course that engages students with scientific principles from biology, chemistry, geology, and meteorology. Environmental Studies students will also explore government-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 Environmental Science in Grade 9 will prepare students for success in Biology in Grade 10.

A711 Life Science

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: None

UC Approved: No

Discipline: Life Science

Description: Life Science is an alternative to the rigorous college-prep Biology course. Life Science is recommended for students who are NOT planning on attending 4-year colleges.

This course is designed to be an activity-oriented approach to teaching life 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.

A720 Biology

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: 9th

Graders: "A" grade in 8th grade Science and strong math background and/or teacher recommendation.

10th Graders: Successful completion of Environmental Science

UC Approved: Yes (Lab)

Discipline: Life Science

Description: Biology is the first of the three primary college-prep science courses (Biology, Chemistry, Physics) recommended for students who plan to attend a 4-year college. Biology is usually taken by 10th graders or advanced 9th graders. The course is fast-paced and rigorous. Students who are uncertain whether they are prepared for this challenging course are encouraged to enroll in Environmental Science as 9th graders and then take Biology as 10th graders. Biology 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.

Science Department

A730 Chemistry

Credit: 10 Credits Year

Open to: Grades 9–12

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

UC Approved: Yes (Lab Science)

Discipline: Physical Science

Description: Chemistry is the second of the three primary science courses (Biology, Chemistry, Physics) recommended for students who plan to attend a 4-year college. Topics include the structure of matter; types of elements and compounds; chemical equations, gas laws, acids and bases; oxidation/reduction; and chemical equilibrium. Lab work is an integral part of the course and will be used to reinforce the concepts discussed in class. Students will be given an option after the first six weeks to select a more rigorous Honors Chemistry standard which includes more challenging exams and lab work. Honors Chemistry grades are LBHS and UC weighted. No schedule change is needed, as both levels are offered together in each chemistry class.

A731 Honors Chemistry

Credit: 10 Credits Year

Open to: Grades 9–12

Recommended Preparation: Grades of A or B in Biology and Algebra I

UC Approved: Yes (Lab Science)

Discipline: Physical Science

Description: of the three primary science courses (Biology, Chemistry, Physics) recommended for students who plan to attend a 4-year college. Two levels of chemistry are offered: Honors and the standard Chemistry. Both are offered in the same classroom simultaneously. Students can choose their level of rigor after 6 weeks. Honors Chemistry grades are LBHS and UC weighted. No schedule change is needed, as both levels are offered together in each chemistry class.

Honors Chemistry is a rigorous course designed to challenge students who are scientifically driven. The course provides in-depth discussion of chemical concepts and emphasizes quantitative problem solving. Topics include the structure of matter; types of elements and compounds; chemical equations, gas laws, acids and bases; oxidation/reduction; and chemical equilibrium. Lab work is an integral part of the course and will be used to reinforce the concepts discussed in class. Honors Chemistry will prepare students to do outstanding work in college-level science classes.

A740 Physics

Credit: 10 Credits Year

Open to: Grades 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

Discipline: Physical Science

Description: Physics is the third of the three primary science courses (Biology, Chemistry, Physics) recommended for students who plan to study science at a 4-year college. 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 survey 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.

Science Department

A743 AP Physics 1

Credits: 10 Credits Year

Open to: Grades 11-12 **Recommended**

Preparation: Grade of A in Honors Chemistry or a grade of B or better in Physics. Grade A in Algebra 2 or higher.

UC Approved: Yes

Discipline: Physical Science

Description: Physics is the third of the three science courses (Biology, Chemistry, Physics) recommended for students who plan to study science in a 4-year college. Two levels of Physics are offered: College Prep and Advanced Placement. Many of the students in AP Physics take the course after they have completed a year of the standard Physics course. 11th graders may take AP Physics as a 1st year course, understanding that the pace of the course assumes a prior knowledge of physics. In AP 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: (1) 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.

A716 Intro to Engineering

Credit: 10 Credits Year

Open to: Grade 11, Grade 12

Recommended Preparation: Physics

UC Approved: Yes

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 science. Intro to Engineering is designed to give students practical experience in engineering as a career. In Intro to Engineering, students discover how Engineering shapes their world. Intro to Engineering highlights engineering's potential to impact human lives and the world around us. Students discover how engineers: Create solutions for people; Use a creative design process; Make data-supported design decisions; Improve lives; 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 a multi-level engineering design process that is both accessible to high school students and authentic to the experience of professional engineers. Students build Engineering Habits of Mind by developing and practicing the engineering skills and habits of mind that are central to the engineering profession.

Science Department

A725 AP Biology

Credit: 10 Credits Year

Open to: Grades 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 for scientifically driven students. 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 Advanced Placement Biology course is designed to be taken by students after the successful completion of biology, chemistry, and physics so they have the skills necessary to deal critically with the rapidly changing science of biology. The expectation is that students will take the Advanced Placement Exam.

A734 Advanced Chemical Research

Credit: 10 Credits Year

Open: Grade 12

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

UC Approved: Yes

Discipline: Physical Science

Description: Advanced Chemical Research (ACR) is a unique course offering for science-minded students. 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.

A718 Marine Ecology

Credit: 10 Credits Year

Open: Grades 10-12

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

UC Approved: Yes

Discipline: Life Science

Description: Marine Ecology is a science elective course that is designed to be taken after students have completed the recommended sequence of Biology, Chemistry, and Physics. It is a rigorous UC-approved laboratory science course. 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 class also studies the history of maritime science, technology, and aquaculture. Opportunities to research specific organisms will be included as a project. The class 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.

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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: Grades 11-12

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

UC Approved: Yes

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.

HEALTH

A700 Human Ecology/Health

Credit: 5 Credits Semester

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.

Foreign Language Department

2214 Mandarin Chinese I

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: None

UC Approved: Yes

Description: Mandarin I is an elementary course which 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: Grades 9-12

Recommended Preparation: Mandarin Chinese I recommended

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 produce 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, clothes sizes, likes and dislikes of various items, transportation, and be able to read short essays. This course will integrate technology to facilitate better learning experiences. Cultural activities including legend-related crafts and ethnic food origins will be introduced to enhance students' cultural awareness.

2223A Mandarin Chinese III

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: Mandarin Chinese I and II

UC Approved: Pending

Description: Mandarin Chinese III is a continuation course for students who have successfully completed Mandarin Chinese I and II. This course helps students to build abilities to use Mandarin Chinese I 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-

Foreign Language Department

and drama playing, students will also explore 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

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: Mandarin Chinese I, II, and III

UC Approved: Pending

Description: Mandarin IV is a continuation of Mandarin III for students who wish to pursue their personal or academic interest in Mandarin Chinese. The goal of this course is to encourage language acquisition through controlled immersion environment. Students will speak in Mandarin on a daily basis. Rigorous practice of spoken and written Chinese will be conducted. Upon completion of this level, students will be able to talk about Chinese cuisine, make travel arrangements, talk about house work and discuss ideal jobs in Chinese. Further study of Chinese culture will emphasize on bringing students cross-cultural awareness and perspective.

A510 French I

Credit: 10 Credits Year

Open to: Grades 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: Grades 9-12

Recommended Preparation: French I (recommended 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: Grades 9-12

Recommended Preparation: French II (recommended 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.

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A540 French IV

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: French III (recommended 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: Grades 10-12

Recommended Preparation: French III (recommended grade of A) or French IV (recommended 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: Grades 10-12

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

UC Approved: Yes

Description: Conducted in French, this course is for the serious French student ready for 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.

A512 Spanish I

Credit: 10 Credits Year

Open to: Grades 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. Meaningful communication is the goal. 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.

Foreign Language Department

A513 Spanish II

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: Spanish I (recommended 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.

2206 Honors Spanish II

Credit: 10 Credits Year

Open to: Grades 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 of curriculum 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: Grades 9-12

Recommended Preparation: Spanish II (recommended 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.

Foreign Language Department

2207 Honors Spanish III

Credit: 10 Credits Year

Open to: Grades 9-12

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

UC Approved: Yes

Description: This course is conducted exclusively in Spanish. The 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: Grades 9-12 **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 Honors Spanish IV

Credit: 10 Credits Year

Open To: Grades 10-12

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

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.

A535 Spanish V

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: Spanish IV (recommended 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.

Foreign Language Department

A554 Honors Spanish V

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: Spanish IV (recommended 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. This course also includes 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. The course specifically prepares the student for enrollment in the Advanced Placement Spanish Literature class. Students will be required to give oral and written interpretations and summaries of the authors' lives and historical events that influenced their literary pieces.

A553 AP Spanish Language & Culture

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: Honors Spanish IV (recommended grade of A), or Spanish V/V Honors (recommended 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 esthetics, 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: Grades 11-12

Recommended Preparation: Spanish V (recommended grade of B or better) or Honors Spanish V

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 Mara Matute, Fderico Garca Mrquez, 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.

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Fine Arts

A409 Introduction to Art

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: None

UC Approved: Yes

Description: This year long course is designed for students interested in visual art. We will learn how to draw and paint by examining edges, space, light, and shadows. We will discover how to use different mediums and techniques in our work, and develop our own creative approach to making art. In the first semester, students will learn about 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 Honors Art Studio

Credit: 10 Credits Year

Open to: Grades 11-12

Recommended Preparation: Art I/II

UC Approved: Yes

Description: This course is designed for mature students interested in art as a career. The Honors Art Studio program is designed for the serious art student to provide advanced art 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: Grades 10-12

Recommended Preparation: Students must have a grade point average 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 highly motivated 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. In the 2-D Design portfolio, students build a body of work that shows evidence of principled of design using photography, painting, or mixed media. 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.

A438 AP Studio Art Drawing

Credit: 10 Credits Year

Open to: Grades 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

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Description: The AP Studio Art program enables highly motivated 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. This program is intended for students seriously committed to studying drawing. Students will 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.

A487 Digital Photography

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: None

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.

2820 Digital Photography Honors

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: Digital Photography I

UC Approved: Yes

Description: Honors Digital Photography is a course designed for students who are seriously 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: Grades 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. Both 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.

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A416 Ceramics II

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: Passed Ceramics I with a B or better

UC Approved: Yes

Description: Ceramics II is a yearlong course that is designed for students with one year of previously passed beginning Ceramics I at LBHS with a B or better grade. 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.

A417 Advanced Ceramics

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: Completion of Ceramics I and II with a B or better

UC Approved: Yes

Description: Advanced Ceramics, year 3 is a yearlong course that is designed for students who have ideally passed two years of ceramics at LBHS. Course submission into Ceramics III is for the

student who has completed Ceramics I and II with a B or better grade. Advanced Ceramics provides an opportunity for the more serious art student to continue to advance towards taking the AP Studio Art: 3D portfolio and/or towards other serious art endeavors such as art shows or art college portfolio building. Ceramics III students explore three-dimensional design in greater detail through new hand building and wheel throwing 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 ways of working.

A414 AP Studio Art: 3-D 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 seriously interested in the practical experience of a college level art class. This course is a year-long course designed for students who have ideally completed Ceramics levels I, II and Advanced, and 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. It's important that AP students express themselves in their own personal style, and develop high quality college level artworks that are student driven. It's expected that AP students will maintain an honorable work ethic; otherwise they will

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be dropped from the course. 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.

2908 Video Production I

Credit: 10 Credits Year

Open to: Grades 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 on an audience. 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.

A808 Video Production Advanced

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: Video Production

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, 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: Grades 9-12

Recommended Preparation: None

UC Approved: Pending

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.

5622 CCA Multimedia Design

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: Computer Art, ROP Multimedia Design, teacher rec.

UC Approved: Yes

CTE: Yes

Description: Students will work 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,

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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.

A075 CCA Multimedia Design Adv

Credit: 10 Credits Year

Open to: Grade 10-12

Recommended Preparation: Multimedia Design

UC Approved: A074 CCA Multimedia Design-In process

CTE: 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. 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. Upon completion of this course students will earn a CTE certificate.

5751 CCA 3D Design

Credit: 10 Credits Year

Open to: Grade 9-12

Recommended Preparation: Multimedia Production or STEM recommended

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 CCA Multimedia Production

Credit: 10 Credits Year

Open to: Grades 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.

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Technical training is integrated into stages of each 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.

A454 Wind Ensemble

Credit: 10 Credits Year

Open to: Grades 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: Grades 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, rehearsals after school hours, performance attendance, and performance at school gatherings.

A455 Jazz Ensemble

Credit: 10 Credits Year

Open to: Grades 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.

A457 Introduction to Guitar/Ukulele

Credit: 10 Credits Year

Open to: Grades 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.

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A462 AP Music Theory

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: Teacher recommendation

UC Approved: Yes

Description: The Advanced Placement (AP) Music Theory course enables highly motivated 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. The successful student 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. This course is designed to prepare you for the AP Music Theory Exam. 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. The AP Music Theory Exam is about two and a half hours long and consists of two sections. Section I consists of 75 multiple-choice questions, some of which are based on aural stimulus. Section II consists of written free-response questions and sight-singing exercises.

2509 Exploring Dance (see PE) 5718A Dance II

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

Open to: Grades 9-12

Recommended Preparation: Placement Required

UC Approved: Yes

Description: Dance II is a yearlong intermediate dance course that includes intermediate level terminology and execution of classic skills in Jazz, Modern, Hip Hop, Lyrical, and Ballet. Students will be given opportunities to develop creative expression through improvisation, choreography, and performance. They will gain an appreciation for dance as an art form through the study of historical contributions and the influence of culture on dance. They will also be able to

Visual & Performing Arts Department

recognize the importance of a healthy lifestyle through lessons and activities in physical fitness. *In addition, students will be expected to participate and perform in the annual Winter Dance Concert, as well as participate and perform in the annual Spring Dance Concert for 20% of their grade.*

5718B Dance III

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: Placement Required

UC Approved: Yes

Description: This is a yearlong intermediate/advanced dance course that includes intermediate/advance level terminology and execution of classic skills in Jazz, Modern, Hip Hop, Lyrical, and Ballet. Students will be given the opportunities to develop creative expression through improvisation, choreography, and performance. They will gain an appreciation for dance as an art form through the study of historical contributions and the influence of culture on dance. They will also be able to recognize the importance of a healthy lifestyle through lessons and activities in physical fitness. **In addition, students will be expected to participate and perform in the annual Winter Dance Concert and Spring Dance Concert for 20% of their semester grade.**

5719A Dance IV

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: Audition Required; concurrent enrollment in Dance Company

UC Approved: Yes

Description: ROP Dance IV is exclusive to members of the LBHS Dance Company. In this class, students will be introduced to a versatile dance-training regimen that includes full body warm-ups, floor work, technical exercises, conditioning, across-the-floor combinations, improvisational activities, and comprehensive phrase work in commercial, concert, social, and cultural dance styles. Students will also learn correct dance terminology and technical execution in reference to these styles, and written assignments will be given for students to reflect on and analyze personal technical proficiency and growth as well as draw connections between class work and other academic areas. Progress-monitoring assessments will be implemented in the form of movement exams, pep rally performances, written quizzes, and compositional studies. 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. Students will also be able to recognize the importance of a healthy lifestyle and adequate fitness and nutrition can enhance personal well being. **In addition, students will be expected to participate and perform in two annual program productions, the Winter Dance Concert and Spring Dance Concert for 20% of the semester grade.** Upon completion of this class, students should have an increased sense of self-confidence, a broader knowledge of techniques, enhanced movement capabilities of the body, and an individualized sense of personal expression.

5743 Theater II

Open to: Grades 9-12

Recommended Preparation: Audition required or teacher recommendation

UC Approved: Yes

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Description: This class presents an opportunity for advanced actors to develop acting skills both in the classroom as well as in rehearsal and performance. Students participate in at least one production per semester, including a staged reading in the winter and the spring play, which typically call for smaller casts than our mainstage productions. The dramatic material is chosen to stretch the acting skills of the cast. Students may have opportunities to work with outside directors and other guest artists, who bring their special vision of theatre to our school program. Projects and units of study may include:

- A. Monologue Work
- B. Staged Reading
- C. Scene Study
- D. Spring Play
- E. Original Material

5742 Musical Theater Workshop

Open to: Grades 9-12

Recommended Preparation: None

UC Approved: Yes

Description: Students will study the major principles of musical theatre. Singing and acting and skills will be developed through various exercises and preparation of Musical Theatre material. The course will include presentations and discussions about musical theatre history, development in recent years, and other related topics. This is both an academic and performance based class, designed to introduce musical theatre techniques and literature to students. Students will participate in extensive study of acting, vocal, and audition techniques across a wide range of styles. Students will perform a scene or song in a showcase style performance at the end of each semester.

Projects and units of study may include:

- A. Vocal Technique
- B. Song Interpretation
- C. Audition Technique
- D. Musical Theatre Scene Study
- E. Musical Theatre History
- F. Ensemble Work
- G. Showcase

2356 Dance Company (Performance course)

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: Concurrent Enrollment in Dance IV; Audition Required

UC Approved: Yes

Description: It is the purpose of the Laguna Beach High School Dance Company to demonstrate how dance is a positive vehicle for student development and individual expression, to promote Breaker pride, and to provide entertainment at campus and community events. Members will have personal goals of improving dance ability, academic achievement, learning effective time management, developing strong communication skills, implementing healthy fitness and nutrition practices, building strong core values, and forming lifelong friendships.

Examples of Dance Enrichment

Opportunities for Company Members:

Winter Dance Concert

Spring Dance Concert

Student Choreographers

Professional Dance Company Residencies

Guest Choreography

Master Classes

Dance Festivals & Competitions

Community Outreach & Performances

Publicity Features

Laguna Dance Festival Scholarships

Dance Booster Scholarships

Visual & Performing Arts Department

5721 Technical Theater

Open to: Grades 9-12

Recommended Preparation: None

UC Approved: Yes

Description: Students will participate in both theoretical and practical training in non-performance areas, including lighting and sound design, set construction, stage management and other areas associated with performing arts productions. Students will also study history and recent developments in the field. Students will receive hands-on training through participation in the technical crew for performances in the Artists Theatre, as well as other venues on campus. Areas of exploration and experience may include:

- A. Set Design
- B. Costume Design
- C. Lighting Design
- D. Sound Design
- E. Additional Elements
- F. Technical Crew

A450 Chorus

Credit: 10 Credits Year (after school on Monday and Wednesday)

Open to: Grades 9-12

Recommended Preparation: None

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.

A435 Drama

Credit: 10 Credits Year

Open to: Grades 9-12

Recommended Preparation: None

UC Approved: Yes

Description: This course is designed to give beginning and intermediate students the opportunity to explore the elements of drama as well as various techniques of acting. The student is encouraged to develop a common vocabulary of theatre and progress through a prescribed set of monologue and scene work that includes various styles and eras of dramatic literature. The student will develop a basic understanding of acting technique, develop an appreciation of theatre as an art form, analyze text and character, design basic sets, costumes, and other elements, and write an original scene or monologue. Students will have the opportunity to perform in a showcase at the conclusion of each semester. Projects and units of study may include:

- A. Intro to Drama
- B. Monologue Work
- C. Theatre History
- D. Scene Study
- E. Design & Careers
- F. One Act Plays
- G. Playwriting

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A415 Drama Production

Credit: 5 Credits Semester (Fall and/or Spring)

Open to: Grades 9-12 **Recommended Preparation:** Audition Required
UC Approved: Yes

Description: This class presents an opportunity for advanced actors to learn through a professional-style rehearsal process, culminating in public performances in the Artists Theatre. Students are expected to participate in research, character work, as well as practice and memorization outside of rehearsals, modeled after the process a professional actor utilizes to prepare for a project. The rehearsal process is extensive and requires commitment, meeting in the evenings and on some weekends. Students may have opportunities to work with outside directors, choreographers, and other staff, as they would in the theatre world beyond high school:

- A. Research and Preparation
- B. Character work
- C. Text Analysis
- D. Rehearsal
- E. Performance
- F. Self-evaluation & Reflection

5743 Theater II

Open to: Grades 9-12

Recommended Preparation: Audition required or teacher recommendation

UC Approved: Yes

Description: This class presents an opportunity for advanced actors to develop acting skills both in the classroom as well as in rehearsal and performance. Students participate in at least one production per semester, including a staged reading in the winter and the spring play, which typically call for smaller casts than our mainstage productions. The dramatic material is chosen to stretch the acting skills of the cast. Students may have opportunities to work with outside directors and other guest artists, who bring their special vision of theatre to our school program. Projects and units of study may include:

- A. Monologue Work
- B. Staged Reading
- C. Scene Study
- D. Spring Play
- E. Original Material

Electives

2472 AP Computer Science Principles

Credit: 10 Credits Year

Open to: Grades 10-12

Recommended Preparation: Algebra I

UC Approved: In Process

Description: This course is designed to be equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze, study and work with large data sets to analyze, visualize, and draw conclusions from trends. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills working individually and collaboratively to solve problems, discuss, write about the importance of these problems, the impact on their community, society and the world.

A005 Leadership (ASB)

Credit: 10 Credits Year

Open to: Grades 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.

A019 Peer Assistance (PALS)

Credit: 10 Credits Year

Open to: Grades 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.

A027 Journalism

Credit: 10 Credits Year

Open to: Grades 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.

Electives

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.

2821 Yearbook/Graphic Publication

Credit: 10 Credits Year

Open to: Grades 11-12

Recommended Preparation: Grade of 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 a two-semester courses will combine the 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, as well as enhancing research and inquiry skills. The breadth of instruction and practice will culminate in the publication of the school yearbook.

A260 International Relations/Model United Nations (MUN)

Credit: 10 Credits Year

Open to: Grade 9-12

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. At conferences, students assume roles of ambassadors of the country they are representing and debate and 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

Concert. Students will gain an appreciation for all aspects of dance through this fun, challenging, and active course.

2355 Dance I

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

Open to: Grades 9-12

Recommended Preparation: None

UC Approved: No

Description: Dance I is a yearlong beginning/intermediate dance course that beginning/intermediate level of terminology and execution of classical skills in Jazz, Modern, Hip Hop, Lyrical, and Ballet. Students will be given opportunities to develop creative expression through improvisation, choreography, and performance. They will gain an appreciation for dance as an art form through the study of historical contributions and the influence of culture on dance. They will also be able to recognize the importance of a healthy lifestyle through lessons and activities in physical fitness. **In addition, students will be expected to attend and produce a written critique of the Winter Dance Concert, as well as participate and perform in the annual Spring Dance Concert for 20% of their grade.**

A4521 Marching Band

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

Open to: Grades 9-12

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, performance participation. In school gatherings (pep assemblies, football games, etc.), parade competitions, field show competitions, and winter concert. This class is held after school.

A453 Drumline

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

Open to: Grades 9-12

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, performance observation and performances in competitions. This class is held after school with performances on weekends. Attendance is mandatory.

Support Classes

A925 Core Academic Skills 9

A926 Core Academic Skills 10

A927 Core Academic Skills 11

A928 Core Academic Skills 12

Credit: 5 Credits Semester

Open to: Grades 9-12

Recommended Preparation: Limited enrollment; approval of counselor

UC Approved: No

Description: This class provides assistance for student from all grade levels to support the student's performance in academic classes. Assistance with various subject areas will be provided. Students check ABI; learn Cornell note taking, and organizational skills. Time is allotted for students to work on homework assignments.

A035 Support English 9

A036 Support English 10

A037 Support English 11

A038 Support English 12

Credit: 5 Credits Semester

Open to: Grades 9-12

Recommended Preparation: Teacher or counselor recommendation

UC Approved: No

Description: This class provides assistance for specifically identified students from all grade levels who are in English 9, 10, 11, or 12. In English Support classes, students receive direct instruction from two teachers, one being a grade-level English teacher, which supports the learning in the regular English classes. The daily activities are focused on re-teaching concepts, assisting in the writing process and completion of homework, ensuring reading comprehension, and reviewing for assessments in vocabulary, grammar, and literature.

A040 Geometry Support

Credit: 5 Credits Semester

Open to: Grades 9-12

Recommended Preparation: Teacher or counselor recommendation

UC Approved: No

Description: This class provides assistance for specifically identified students from all grade levels who are in Geometry.

A034 Algebra I Support

Credit: 5 Credits Semester

Open to: Grades 9-12

Recommended Preparation: Teacher or counselor recommendation

UC Approved: No

Description: This class provides assistance for specifically identified students from all grade levels who are in Algebra I.

A033 Algebra II Support

Credit: 5 Credits Semester

Open to: Grades 9-12

Recommended Preparation: Teacher or counselor recommendation

UC Approved: No

Description: This class provides assistance for specifically identified students from all grade levels who are in Algebra II.

College & Career Advantage & STEM Careers

College & Career Advantage

College and Career Advantage (formerly called South Coast 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 with local community colleges 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.

A400 STEM Careers

Credit: 10 Credits Year

Open to: Grades 9-10

Recommended Preparation: None

UC Approved: Yes

Description: This is a year-long elective for 9th and 10th grade students designed to engage students in hands-on, minds-on learning integrating Science, Technology, Engineering, and Mathematics. Students will learn a new way of thinking through real world design brief activities using problem solving skills; all the while being exposed to various STEM pathways. Course topics include Architectural Design, Biotechnology, Robotics & Automation, Arduinos and Bread Boarding, Manufacturing Technology, 3D Printing, Forensics, Sports Medicine, Veterinary Medicine, and EMT. In addition to content modules, students will work to invent/innovate a product that solves a need or a want. Working through the design and creation process, final products will be entered into a county wide competition to culminate the school year. As students progress through the class, they gain 21st century skills needed to be successful in college and career:

- Collaboration & Teamwork
- Creativity & Innovation
- Critical thinking & Problem Solving
- Initiative/Self-direction
- Resourcefulness
- Professionalism & Ethics
- Quantitative Reasoning 19
- Technology
- Workplace Context Culture

Physical Education

All 9th grade students must be enrolled in a fitness class or play an LBHS sport each semester.

A1501/ A1502 Fitness/Wellness (Semester Class)

Credit: 5 Credits Semester

Open to: Grades 9-12

Recommended Preparation: None

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 (Semester Class)

Credit: 5 Credits Semester

Open to: Grades 9-12

Recommended Preparation: None

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 (P.E. Credit given)

Open to: Grades 9-12

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

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 practices. P. E. credit is granted each semester. Students are expected to enroll for both semesters.

2509 Exploring Dance

Credit: 10 Credits Year (P.E. credit given until 20 credits met then VAPA credit given) **Open to:** Grades 9-12

Recommended Preparation: Beginners are welcome, no audition necessary
UC Approved: No

Description: This course, designed for the Beginning level dancer, introduces the basic techniques and principles of Ballet, Jazz, Modern/Contemporary, and Hip Hop, along with studies in Improvisation, Choreography, Production, Anatomy, and Dance History. Class activities will include movement assessments, written assessments, group projects, and performance in the LBHS Spring Dance

Athletic (Sports) Department

Athletics

Credit 5 Credits Semester

Open to: Grades 9 -12 **Recommended**

Preparation: All sports teams require students to try-out

Description: Pursuant with the rules of the California Interscholastic Federation, student athletes may earn academic credit for participation on high school sports teams. This athletic program refers to the development of a highly competitive and accelerated team program for boys and girls. Students who meet CIF academic and residential requirements and have been approved by the Athletic Director are eligible to participate. Additionally, students must meet Laguna Beach High School academic and citizenship standards. The school year is divided into three seasons for athletics:

FALL SEASON
A105 Cross Country (B)
A108 Cross Country (G)
A104 Football (B)
A111 Golf (G)
A130 Surf (Co-ED)
A166 Tennis (G)
A106 Waterpolo (B)
A165 Volleyball (G)
A164 Sand Volleyball (B)

WINTER SEASON
A110 Basketball (B)
A109 Basketball (G)
A186 Soccer (B)
A162 Soccer (G)
A132 Waterpolo (G)

SPRING SEASON
A116 Baseball (B)
A117 Golf (B)
A172 Softball (G)
A170 Swimming (B)
A171 Swimming (G)
A113 Tennis (B)
A112 Track (B)
A168 Track (G)
A118 Volleyball (B)
A161 Sand Volleyball (G)

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).