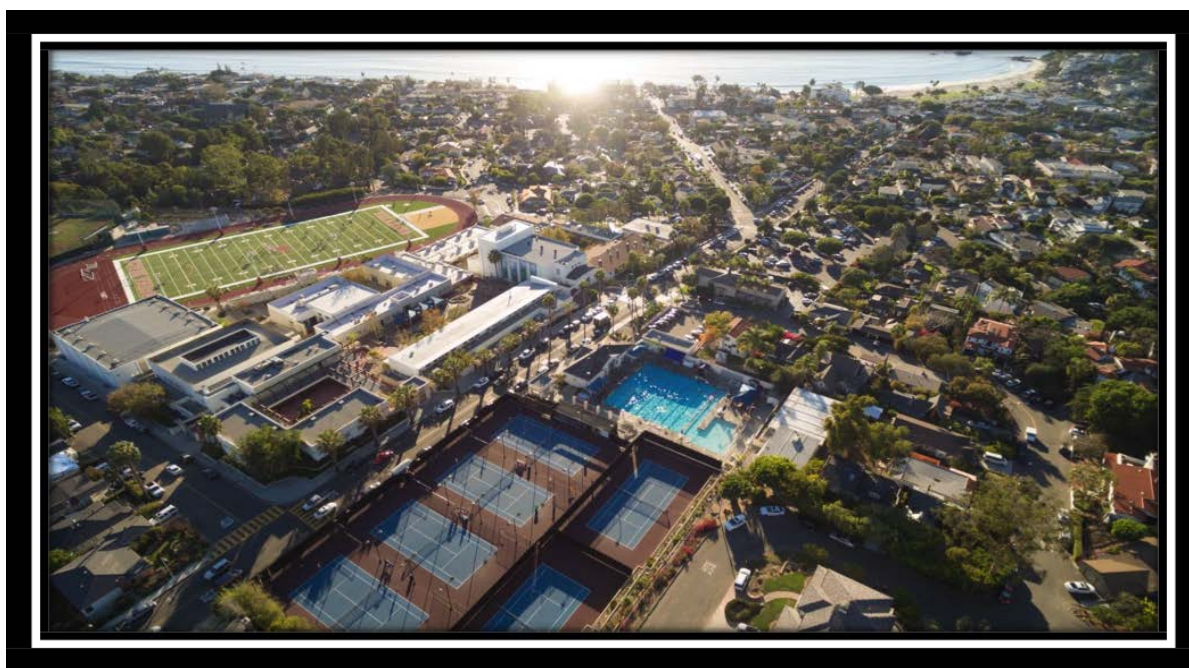




Laguna Beach High School

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 2022-2023

Revised
February 11, 2022

COURSE OFFERINGS

LBHS COURSE OFFERINGS

ENGLISH-LANGUAGE ARTS (4 YEARS)

ENGLISH 9
ENGLISH 9 HONORS
ENGLISH 10
ENGLISH 10 HONORS*
ENGLISH 11
AP ENGLISH LITERATURE AND COMPOSITION*
ENGLISH 12
AP ENGLISH LANGUAGE AND COMPOSITION*
ENGLISH LANG DEVE (ELD)

SOCIAL SCIENCE (3.5) YEARS

GLOBAL STUDIES & SKILLS/SUCCESS ACADEMY
WORLD HISTORY
AP EUROPEAN HISTORY*
UNITED STATES HISTORY AND GEOGRAPHY
AP U.S. HISTORY*
AMERICAN GOVERNMENT
AP U.S. GOVERNMENT & POLITICS*
ECONOMICS
AP MACROECONOMICS*

HEALTH (1 SEMESTER)

HUMAN ECOLOGY/HEALTH (NUC)

MATHEMATICS (3 YEARS)

ALGEBRA I
GEOMETRY
ACCELERATED GEOMETRY
ALGEBRA II
ALGEBRA II HONORS*
CALCULUS
AP CALCULUS AB*
AP CALCULUS BC*
STATISTICS
AP STATISTICS*

SCIENCES (2 YEARS)

INTEGRATED SCIENCE 1
INTEGRATED SCIENCE 2
INTEGRATED SCIENCE 2 HONORS*
INTEGRATED SCIENCE 3
AP PHYSICS I *
AP BIOLOGY*
ADV CHEMICAL RESEARCH HONORS*
MARINE ECOLOGY
ANATOMY AND PHYSIOLOGY

WORLD LANGUAGES (1 YEAR)

FRENCH I
FRENCH II
FRENCH III
FRENCH III HONORS*
FRENCH IV
FRENCH V
AP FRENCH LANGUAGE*
SPANISH I
SPANISH II
SPANISH II HONORS
SPANISH III
SPANISH III HONORS
SPANISH IV
SPANISH IV HONORS
SPANISH V
SPANISH V HONORS*
AP SPANISH LANGUAGE AND CULTURE*
AP SPANISH LITERATURE AND CULTURE*
MANDARIN CHINESE I
MANDARIN CHINESE II
MANDARIN CHINESE III
MANDARIN CHINESE IV HONORS*
AP CHINESE LANGUAGE AND CULTURE*

VISUAL AND PERFORMING ARTS (1 YEAR)

ART PRODUCTION I
AP 3D ART AND DESIGN*
DIGITAL PHOTOGRAPHY
DIGITAL PHOTOGRAPHY II
CERAMICS I
CERAMICS II
GRAPHIC PUBLICATION
VIDEO PRODUCTION I
VIDEO PRODUCTION ADV (NUC)
MULTIMEDIA DESIGN ADVANCED (NUC)
GRAPHIC DESIGN FUNDAMENTALS
WIND ENSEMBLE
STRING ENSEMBLE
JAZZ ENSEMBLE
INTRO TO GUITAR/UKULELE
AP MUSIC THEORY*
THEATRE I

ELECTIVES (60 UNITS)

LEADERSHIP (ASB)
JOURNALISM
INTERNATIONAL RELATIONS/MODEL
UNITED NATIONS (MUN)
FINANCIAL LITERACY
AP ART HISTORY*
AUTHENTIC EXPLORATORY RESEARCH

CTE PATHWAYS

Visual/Commercial Arts Pathway

ART PRODUCTION II
AP DRAWING*
AP 2D ART AND DESIGN*
ART ENTREPRENEURSHIP

Graphic Design Pathway

MULTIMEDIA PRODUCTION
MULTIMEDIA DESIGN HONORS*
3D MEDIA DESIGN HONORS*

Patient Care Pathway

MEDICAL CORE HONORS*

Systems Programming Pathway

AP COMPUTER SCIENCE A*
AP COMPUTER SCIENCE PRINCIPLES*
INTRODUCTION TO APP DEVELOPMENT

Engineering Design Pathway

ENGINEERING DESIGN & ANALYSIS
ENGINEERING MANUFACTURING AND
TECHNOLOGY HONORS*

Professional Theatre Pathway

THEATRE II
THEATRE PERFORMANCE
MUSICAL THEATRE

Dance/Choreography Pathway

DANCE II
DANCE III
DANCE IV
DANCE COMPANY HONORS*

PHYSICAL EDUCATION (2 YEARS)

FITNESS/WELLNESS (NUC)
ATHLETIC CONDITIONING ADV (NUC)
YOGA CORE FITNESS (NUC)
DANCE I (NUC)
CHEER (NUC)
MARCHING BAND (NUC)
DRUMLINE (NUC)

ALL COURSES ARE UC APPROVED UNLESS OTHERWISE NOTED
NUC – NOT UC APPROVED / THIS DOCUMENT IS SUBJECT TO CHANGE
*UC AND LBHS WEIGHTED COURSE / # PENDING APPROVAL

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Non-Discrimination Statement:

The Laguna Beach Unified School District desires to provide a safe school environment that allows all students equal access and opportunities in the district's academic and other educational support programs, services, and activities. 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

ENGLISH DEPARTMENT

A310 English 9

Credit: 10 Credits/Year

Open to: Grade 9

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: 1.20 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will study multiple genres of writing to develop their critical thinking skills through analysis and examination of the text, learn organizational structures of academic writing, perform oral presentations involving various forms of media, self-reflect, and evaluate skill development and acquisition to better understand their own learning processes.

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

Material and Resources: *Fahrenheit 451*, *The Alchemist*, *Of Mice and Men*, *The Odyssey* (excerpts), *A Christmas Carol*, *Romeo and Juliet*, *Sir Gawain and Green Knight*, *Smokejumper*, *Long Way Down*, Warriner's Handbook: Language and Sentence Skills Practice: StudySync Online Resources.

2130 English 9 Honors

Credit: 10 Credits/Year

Open to: Grade 9

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

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: In order to prepare students for future high school honors and AP English classes, this course establishes valuable foundational skills. Students will learn to read and analyze multiple genres of literature, write for a variety of purposes, develop an understanding of English grammar conventions, and speak articulately about all such topics in an academic setting.

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

ENGLISH DEPARTMENT

critically a variety of genres and write a number of narratives, 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 Alchemist, Of Mice and Men, Fahrenheit 451, Romeo and Juliet, Long Way Down, Smokejumper, The Curious Incident of the Dog in the Night-time, The Running Dream, Counting by 7's, Love from A to Z, The Sun is Also a Star, The Book of Unknown Americans, and IXL.*

A320 English 10

Credit: 10 Credits/Year

Open to: Grade 10

Recommended Preparation: English 9

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathways: Students will develop their understanding of a prescribed course of literature, in addition to reading self-selected books approved by the instructor. Students will develop the ability to write clearly and analytically using the active voice, learning to forego the use of passive voice, as they examine the use of literary devices and diction by the authors of the prescribed novels. In addition, students will be exposed to non-fiction reading and understand the relevance to the assigned novels.

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

Materials and Resources: *The Hunger Games, Life of Pi, Animal Farm, The Joy Luck Club, All Quiet on the Western Front, A Walk in the Woods, Where the Crawdads Sing, and StudySync Online Resources.*

ENGLISH DEPARTMENT

2134 English 10 Honors

Credit: 10 Credits/Year

Open to: Grade 10

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

Summer Work: None

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will develop critical-thinking skills and the ability to closely and attentively read texts in a way that will help them understand and enjoy complex works of literature. Students will hone their writing capabilities and will learn to use reasoning and evidence collection skills that are essential for success in either AP Literature or Creative Writing.

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 and non-fiction, the course includes the study of grammar, standard usage, and vocabulary. The curriculum is aligned with the Common Core State Standards.

Materials and Resources: *How to Read Literature Like a Professor*, *Girl with a Pearl Earring*, *The Tragedy of Julius Caesar*, *The Picture of Dorian Gray*, *A Tale of Two Cities*, *The Joy Luck Club*, *A Raisin in the Sun*, *Life of Pi*, and StudySync Online Resources.

A330 English 11

Credit: 10 Credits/Year

Open to: Grade 11

Recommended Preparation: English 10

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will study, read, and demonstrate knowledge of multiple sources of American literature, cite strong and thorough textual evidence, analyze the impact of the author's choices regarding how to develop and relate elements of a story, perform oral presentations, conduct research, and determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings.

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

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also includes weekly Tier II and Tier III vocabulary, as well as grammar and usage for skill review and refinement and test preparation. The curriculum is aligned with the Common Core Standards.

Materials and Resources: *The Crucible, The Catcher in the Rye, The Old Man and the Sea, The Great Gatsby, Death of Salesman, Outliers, Unbroken*, and StudySync Online Resources.

A348 AP English Literature and Composition

Credit: 10 Credits Year

Open to: Grade 11

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

Summer Work: Yes. See LBHS website.

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will deepen their understanding of and appreciation for the ways writers use language to establish meaning. Writing in a variety of contexts, students will develop their ability to communicate persuasively, cogently, and elegantly.

Description: This course provides students with a learning experience equivalent to the introductory year of college literature. The course teaches students to read carefully and analyze critically and 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 curriculum is aligned with the Common Core State Standards. Students will be provided the opportunity to take the AP exam in the Spring.

Materials and Resources: *Antigone, Tragedy of Othello, Wuthering Heights, The Awakening, Their Eyes Were Watching God, Death of a Salesman, Into the Wild, The Kite Runner, Deep*, independent reading, and StudySync Online Resources.

A340 English 12

Credit: 10 Credits/Year

Open to: Grade 12

Recommended Preparation: English 11

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Upon completion of English 12, students will be able to communicate effectively in a variety of real-world circumstances. As they navigate college and career, they will have developed skills to synthesize multiple sources of information and critically evaluate their validity, reliability, and effectiveness. Additionally, their study of various authors and genres of literature will have given them a platform to explore and refine their writing skills to

ENGLISH DEPARTMENT

prepare them for a rigorous academic college environment and/or career beyond that.

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

Materials and Resources: *Oedipus the King, Antigone, Brave New World, Hamlet, Macbeth, Canterbury Tales, Into the Wild, Frankenstein, Lord of the Flies, Thirst*, and StudySync Online Resources.

A332 AP English Language and Composition

Credit: 10 Credits/Year

Open to: Grades 12

Recommended Preparation: Grade of A or B in English 11, AP English Literature and Composition and/or teacher recommendation.

Summer Workload: None

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will skillfully manipulate written language according to audience, purpose, and rhetorical context. Thinking critically and reading actively, students will be able to then gracefully develop a unique voice and an engaging style in their writing.

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

Materials and Resources: *Everyday Use, One Hundred Great Essays, 40 Model Essays, 5 Steps to a 5, The Grapes of Wrath, Last Child in the Woods, Travels with Charley, Fast Food Nation, The Story of More, One Flew Over the Cuckoo's Nest*, and StudySync Online Resources.

ENGLISH DEPARTMENT

A301 English Language Development - ELD

Credits: 10 Credits/Year

Open to: Grade 9-11

Recommended Preparation: Score Level A on the IPT II

Summer Work: None

Approximation of Weekly Workload Commitment: None. In order to provide students with continuous teacher-guided practice, the daily workload will be limited to in-class work.

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will build stamina reading independently while accessing contextual decoding skills to determine definitions of words. They will be able to identify the main ideas of narrative, argumentative, and informational texts and utilize quotes to support those ideas. Students will also develop the skills to write comprehensive responses to text-based questions across the curriculum.

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

SOCIAL SCIENCE DEPARTMENT

A215 Global Studies & Skills/Success Academy - College and Career Foundations

Credit: 5 Credits/Semester

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: 1 hour

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will learn core academic language and skills that are vital for understanding the social sciences with special emphasis on critical thinking, collaboration, and writing to prepare students for academic success in college and future careers.

Description: Global Studies & Skills/Success Academy 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. This course also integrates Social and Emotional Wellness, Career Exploration, College and Post-Secondary Planning, Vocational Readiness, and Community Service. Students will be led 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.

A220 World History

Credit: 10 Credits/Year

Open to: Grade 10

Recommended Preparation: Global Studies and Skills

Summer Work: None

Approximation of Weekly Workload Commitment: 40 minutes

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: This course is designed to develop the following skills: Cornell note-taking, analyzation of primary sources (6c), researching, research writing, collaboration, civil engagement, and common core/critical thinking practices.

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 ideals and develop an understanding of the historical roots of current world problems. Students will examine various perspectives of events in order to better understand international relations. Students will discuss current issues and relate them to their historical, geographic, political, economic, and cultural contexts.

SOCIAL SCIENCE DEPARTMENT

A224 AP European History

Credit: 10 Credits/Year

Open to: Grade 10

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

Summer Work: Yes. See LBHS Website

Approximation of Weekly Workload Commitment: 5 hours (not including 2-4 projects throughout semester)

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will leave with stronger skills in analyzing historical evidence; contextualization; comparison; causation; change and continuity over time and argument development.

Description: AP European History is designed to be the equivalent of a two-semester introductory college or university European history course. In AP European History, students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. This course provides six themes that students explore through the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity.

SOCIAL SCIENCE DEPARTMENT

A230 United States History and Geography

Credit: 10 Credits/Year

Open to: Grade 11

Recommended Preparation: World History

Summer Work: None

Approximation of Weekly Workload Commitment: 40 minutes

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: This course is designed to extend the skills developed in World History including Cornell note-taking, analyzation of primary sources (6c), researching, research writing, collaboration, civil engagement, and common core/critical thinking practices.

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 in a corporate economy, including the social and cultural effects. They trace the change in the ethnic composition of American society, the movement towards equal rights for racial minorities and women, and the role of the United States as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students consider the major social problems of our time and trace their causes to 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, grade of A in World History and English, with teacher recommendation

Summer Work: Yes. See LBHS Website.

Approximation of Weekly Workload Commitment: 5 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: The students will leave familiar with analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments.

SOCIAL SCIENCE DEPARTMENT

Description: AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society.

A240 American Government

Credit: 5 Credits/Semester

Open to: Grade 12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: 2 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: The goal of this class is for students to become familiar with the structure of the US Government and to get excited about including civic participation in their lives.

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

SOCIAL SCIENCE DEPARTMENT

A245 AP U.S. Government and 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.

Summer Work: None

Approximation of Weekly Workload Commitment: 3 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: The goal of this class is to get students familiar with the structure of the US Government and get students excited about including civic participation in their lives.

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

A242 Economics

Credit: 5 Credits/Semester

Open to: Grade 12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitments: 1.20 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: The goal of this class is for students to become excited about including economics in their lifelong learning.

Description: In this one-semester course, students will study fundamental economic concepts and apply them to examples in the current national economy. The course is divided into five units including basic concepts (e.g. supply and demand), financial markets, measuring economic performance, fiscal/monetary policy, and international trade. This course includes a variety of activities, simulations, projects, and teacher-directed lessons. Communication and collaboration skills will be emphasized and reinforced throughout the semester.

SOCIAL SCIENCE DEPARTMENT

A246 AP Macroeconomics

Credit: 5 Credits/Semester

Open to: Grade 12

Recommended Preparation: An A or B in a higher-level math class. A passing score on the AP US History exam.

Summer Work: None

Approximation of Weekly Workload Commitment: 4 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will understand real-life macroeconomic concepts of but not limited to monetary and fiscal policies, international trade and finance, demand and supply, and international trade and finance.

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. Students will be provided the opportunity to take the AP exam in the Spring.

A700 Human Ecology/ Health

Credit: 5 Credits/Semester

Open to: Grade 9

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: 30 minutes

UC Approved: No

Expected Learner Outcomes and/or Pathway: This course is designed to develop the following skills: researching, collaboration, problem-solving, and self-assessment of students' strengths and weaknesses. Students will be guided through in-depth inquiry of how decision-making is critical when faced with stress, peer pressure, and individual choices.

Description: This one-semester course provides students with a greater understanding of health problems commonly encountered in life. Through activities, lectures, interactive worksheets, collaborative projects, discussion, and guest speakers, students will gain a better understanding of mental, social, and emotional health, the effects of drugs on the brain, body, and decision making, sex, and reproduction, nutrition, and fitness, as well as the negative effects of tobacco and alcohol products. This course does not count as a science course for graduation requirements.

MATHEMATICS DEPARTMENT

A611 Algebra I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: 1 hour

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: The fundamental objectives of this Common Core-aligned course are to formalize and extend the mathematics which students learned in middle school, and lay the foundation for future mathematics courses. Pathway: Geometry or Accelerated Geometry

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

A620 Geometry

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 1 hour

UC Approved: Yes

Expected Learner Outcome and/or Pathway: The fundamental objectives of this Common Core-aligned course are to formalize the geometric concepts which students learned in middle school, and to expand their knowledge of Euclidean geometry. Pathway: Algebra II

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.

MATHEMATICS DEPARTMENT

A620A Accelerated Geometry

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: Yes. See LBHS Website.

Approximation of Weekly Workload Commitment: 3 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: In addition to the objectives of the Geometry Common Core-aligned course, students will explore a broader range of concepts at a deeper level. Pathway: Algebra II Honors

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

A630 Algebra II

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Algebra I and Geometry

Summer Work: None

Approximation of Weekly Workload Commitment: 2 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: The fundamental objectives of this Common Core-aligned course are to formalize and extend the mathematics which students learned in Algebra I, and continue to lay the foundation for future mathematics courses. Pathway: Calculus and/or Statistics

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

MATHEMATICS DEPARTMENT

A626 Algebra II Honors

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 3 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: In addition to the objectives of the Algebra II Common Core-aligned course, students will explore a broader range of concepts at a deeper level. Pathway: AP Calculus AB, and/or AP Statistics

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, conics (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.

A642 Calculus

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: B or better Algebra II

Summer Work: None

Approximation of Weekly Workload Commitment: 2 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: This course will provide an introduction to basic Calculus topics, as well as reinforcement of foundational skills necessary for success in a Calculus course. This course is designed for students who want to continue in mathematics, but do not want to enroll in an Advanced Placement Calculus course.

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.

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A650 AP Calculus AB

Credit: 10 Credits/Year

Open to: Grade 11-12

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

Summer Work: Yes. See LBHS Website.

Approximation of Weekly Workload Commitment: 4 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: AP Calculus AB is equivalent to a first-semester college calculus course devoted to topics in differential and integral Calculus. AP Calculus is designed to develop mathematical knowledge conceptually, guiding students to connect topics and representations throughout the course and to apply strategies and techniques to accurately solve diverse types of problems. Pathway: AP Calculus BC and/or AP Statistics

Description: Students will develop a working knowledge of definitions and theorems of Calculus in order to solve theoretical and practical problems in the following areas: engineering, business, physical and biological sciences, and higher mathematics. Throughout the course, students will learn how to work with functions from a graphical, numerical, analytical, and verbal perspective and make connections among these representations. Students will be provided the opportunity to take the AP exam in the Spring.

A651 AP Calculus BC

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: AP Calculus AB

Summer Work: None

Approximation of Weekly Workload Commitment: 4 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: AP Calculus BC is equivalent to both first and second-semester college calculus courses and extends the content learned in AB to different types of functions and introduces the topic of sequences and series.

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

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A636 Statistics

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Algebra II

Summer Work: None

Approximation of Weekly Workload Commitment: 1 hour

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: This course is an introduction to probability and statistics designed primarily to expose students to terms, concepts, and applications in business, social sciences, and humanities as well as math and science. It is recommended for students considering any of these fields in college.

Description: This course will provide tools for describing variability in data and for making informed decisions. The first-semester focus is descriptive statistics (collection, organization, summarization, and presentation of data). Second-semester focus is inferential statistics (generalizing from samples to populations). The course demonstrates a wide range of relevant issues and questions to be addressed with the help of statistical analysis. This course is specifically designed to use the statistical software package on the TI-83 and TI-84 graphing calculators.

2483 AP Statistics

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Honors Algebra II

Summer Work: None

Approximation of Weekly Workload Commitment: 3 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: AP Statistics is a course equivalent to a one-semester, introductory, non-calculus-based college course in statistics. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

Description: The broad themes in the AP course include 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 hypotheses. Students will be provided the opportunity to take the AP exam in the Spring.

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A713 Integrated Science 1

Credit: 10 Credits/Year

Open to: 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: lab work to be completed during class period, enrichment and reinforcement learning opportunities available.

UC Approved: Yes

Discipline: Physical Science

Expected Learner Outcomes and/or Pathway: Integrated Science 1 is designed to prepare students for *higher-level sciences* by fostering science skills and practices through physical science lab experiences. This course serves as the entry-level course in the LBHS science pathway and prepares all students for Integrated Science 2, Integrated Science 3, and science electives.

Description: *Integrated Science 1* is the first-course students take in the LBHS integrated science pathway. The content matter of the course focuses on Physics, Chemistry, Earth/Space Science, and Science and Engineering Practices. Differentiated learning within all integrated science courses ensures that students are exposed to an exciting, relevant curriculum that is appropriately challenging. This course meets the CA and LBHS graduation requirements for physical science.

A715 Integrated Science 2

Credit: 10 Credits/Year

Open to: 10

Recommended Preparation: Integrated Science 1

Summer Work: None

Approximation of Weekly Workload Commitment: lab work to be completed during class period, enrichment and reinforcement learning opportunities available.

UC Approved: Yes

Discipline: Life Science

Expected Learner Outcomes and/or Pathway: Integrated Science 2 is the second-year science course in the LBHS science course pathway. The course is designed to prepare students for higher-level sciences by building upon science skills and practices acquired through life science lab experiences. The course integrates physical science and Earth science content as it applies to living systems. Upon completion of this course, students will be prepared for Integrated Science 3 and science elective courses.

Description: Integrated Science 2 (IS2) is required to successfully meet the CA graduation requirement of completing a life science course. The course builds upon skills and knowledge acquired in the prerequisite IS1 course. Students will engage in NGSS aligned practices such as asking questions (for science) and defining problems (for engineering), developing and using models,

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planning and carrying out investigations, analyzing and interpreting data, using mathematics and computational thinking, and constructing explanations (for science), designing solutions (for engineering), engaging in argument from evidence and obtaining, evaluating, and communicating information.

A717 Integrated Science 2 Honors

Credit: 10 Credits/Year

Open to: 10

Recommended Preparation: A in Integrated Science 1

Summer Work: None

Approximation of Weekly Workload Commitment: lab work to be completed during class period, 30 – 60 minutes of daily homework.

UC Approved: Yes

Discipline: Life Science

Expected Learner Outcomes and/or Pathway: Integrated Science 2 is the second-year science course in the LBHS science course pathway. The course is designed to prepare students for higher-level sciences by building upon science skills and practices acquired in the course. Students are expected to engage in self-directed learning through teacher-created lessons that will allow for meaningful dialogue and lab experiences in the classroom. The course integrates physical science and Earth science content as it applies to living systems. Upon completion of this course, students will be prepared for Integrated Science 3 and science elective courses. Students are expected to have the necessary skills to

Description: Honors Integrated Science 2 (IS2) is required to successfully meet the CA graduation requirement of completing a life science course. The course builds upon skills and knowledge acquired in the prerequisite IS1 course. Students will engage in NGSS aligned practices such as asking questions (for science) and defining problems (for engineering), developing and using models, planning and carrying out investigations, analyzing and interpreting data, using mathematics and computational thinking, and constructing explanations (for science), designing solutions (for engineering), engaging in argument from evidence and obtaining, evaluating, and communicating information.

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A719 Integrated Science 3

Credit: 10 Credits/Year

Open to: 11 – 12

Recommended Prep: Integrated Science 2

Summer Work: None

Approximation of Weekly Workload Commitment: lab work to be completed during class period, enrichment and reinforcement learning opportunities available.

UC Approved: Pending

Discipline: Physical Science

Expected Learner Outcomes and/or Pathway: Integrated Science 3 is the third-year course in the LBHS Science course pathway. The course is designed to prepare students for higher-level sciences by building upon science skills and practices acquired through Integrated Science 1 and 2. The course integrates Physical Science with systems in the Human Body, Earth, and Space.

Description: Completion of Integrated Science 3 (IS3) will complete NGSS standards. IS3 is a course created for **all students** to achieve a high level of competency in physical, life, and Earth science. IS3 builds on skills and experiences to allow for a deeper understanding as to how their bodies, mind, and planet works in regards to mechanics and energy. Students will continue to engage in NGSS aligned practices such as asking questions (for science) and defining problems (for engineering), developing and using models, planning and carrying out investigations, analyzing and interpreting data, using mathematics and computational thinking, and constructing explanations (for science), designing solutions (for engineering), engaging in argument from evidence and obtaining, evaluating, and communicating information.

A743 AP Physics I

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Grade of A in Integrated Science 2 (IS2) Honors or a grade of B or higher in Physics. Concurrent enrollment in Honors Algebra II or higher.

Summer Work: Yes. See LBHS website.

Approximation of Weekly Workload Commitment: 4 hours

UC Approved: Yes (Lab Science)

Discipline: Physical Science

Expected Learner Outcomes and/or Pathway: Students will develop skills in applying mathematics (including trigonometry) to solve complex problems in the natural sciences. Students will gain an appreciation for the ubiquitous nature of physics concepts (Newtonian mechanics, electricity and magnetism, and waves) in the universe.

Description: 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

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provide a broad way of thinking about the physical world such as: Objects and systems have properties such as mass and charge. Systems may have internal structure. (2) Fields existing in space can be used to explain interactions. (3) The interactions of an object with other objects can be described by forces. (4) Interactions between systems can result in changes in those systems. (5) Changes that occur as a result of interactions are constrained by conservation laws. (6) Waves can transfer energy and momentum from one location to another without the permanent transfer of mass and serve as a mathematical model for the description of other phenomena. Students will be provided the opportunity to take the AP exam in the Spring.

A734 Advanced Chemical Research

Credit: 10 Credits/Year

Open to: Grade 12

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

Summer Work: 10 hours of Chemistry review work (textbook-based)

Approximation of Weekly Workload Commitment: 2 hours. Papers due at 6-week intervals (a paper requires 4-6 hours of work).

UC Approved: Yes (Lab Science)

Discipline: Physical Science

Expected Learner Outcomes and/or Pathway: Students will gain an appreciation for the ongoing nature of scientific discovery and the importance of experimental design, reproducible data, and the investigation of multiple hypotheses in conducting scientific investigations.

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

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A725 AP Biology

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Grade of A or B in Integrated Science 2 (IS2) Honors

Summer Work: 3-4 hours of Biology review work (textbook-based)

Approximation of Weekly Workload Commitment: 2 hours

UC Approved: Yes

Discipline: Life Science

Expected Learner Outcomes and/or Pathway: Students will gain an appreciation for the molecular and cellular basis of living systems as well as the evolution of populations. Essential skills include experimental design, statistical analysis, and the interpretation of experimental data using evidence-based reasoning.

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

A718 Marine Ecology

Credit: 10 Credits/Year

Open to: Grade 12

Recommended Preparation: Grades of C or better in Integrated Science 3 (IS3)

Summer Work: None

Approximation of Weekly Workload Commitment: 1 hour to finish labs and activities not completed in class. Study for assessments every 2-5 weeks.

UC Approved: Yes (lab Science)

Discipline: Life Science

Expected Learner Outcomes and/or Pathway: Students will gain an appreciation for the dynamic nature of the ocean through lenses that include energy, population dynamics, chemical reactions, and human impacts on marine ecosystems. Skills emphasized include critical reading, evidence-based argumentation, and experimental design.

Description: This course is a UC approved lab class that integrates all fundamental science skills in order to understand the physical nature of the ocean, the adaptations animals have to survive, and how human impact is changing the ocean. Throughout the year, students will learn about three main areas of the ocean: Polar seas, Open ocean, and coastal waters. Within each topic of study, students will examine how natural phenomena in the ocean occur by conducting research, engaging in labs, and by completing activities. Additionally, an in-depth study on how humans are impacting these regions is scrutinized. In the second semester, students will conduct a research project in which they

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investigate the health and wellness of our local coastal environments. Students will be exposed to researching and reading primary scientific articles and writing professionally for the science community.

A726 Anatomy and Physiology

Credit: 10 Credits/Year

Open to: Grade 12

Recommended Preparation: Grades of C or better in Integrated Science 3 (IS3)

Summer Work: None

Approximation of Weekly Workload Commitment: 1.20 hours. Test preparation = 60 minutes every 4 weeks.

UC Approved: Yes (lab Science)

Discipline: Life Science

Expected Learner Outcomes and/or Pathway: Students will gain an appreciation for the complex nature of biological systems through case studies that highlight interactions of biological systems such as neurological, endocrine, digestive, and circulatory systems. Skills emphasized include critical reading, supporting claims with evidence, and the interpretation of scientific diagrams.

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.

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2214 Mandarin Chinese I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: To learn the fundamentals of Chinese language and culture and to develop basic listening, speaking, reading, and writing skills in Chinese. Pathway: Mandarin Chinese II

Description: Mandarin I introduces students to the fundamentals of Chinese language and culture. This course uses the 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 pronunciation with accurate tones, the 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 conversations, recognize over 200 Chinese characters, read short texts, and write basic sentences. Songs and cultural activities related to seasonal festivals will be implemented to enhance language and cultural experiences.

2215 Mandarin Chinese II

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Mandarin Chinese I

Summer Work: None

Approximation of Weekly Workload Commitment: 3.20 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: Mandarin III

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

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structures. Emphasis will be placed upon practical use of Chinese through exposure to authentic texts such as short narratives, TV commercials, signs, tickets, and brochures. Students are expected to be more expressive in daily conversation about broader topics, such as school life, daily schedule, shopping, clothing sizes, likes and dislikes, transportation, and ability to read short essays. This course will integrate technology to facilitate better learning experiences. Cultural activities including legend-related crafts and ethnic food origins would be introduced to enhance students' cultural awareness.

2223A Mandarin Chinese III

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Mandarin Chinese I, II

Summer Work: None

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: Mandarin IV Honors.

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

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2223B Mandarin Chinese IV Honors

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Mandarin Chinese III (grade of A)

Summer Work: Yes

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language possible at the university level.

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

2224 AP Chinese Language and Culture

Credit: 10 Credits/Year

Open to: 11-12

Recommended Preparation: Mandarin IV Honors (grade of A)

Summer Work: None

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the AP Exam.

Description: AP Chinese Language and Culture is a college-level course intended for students who have completed Mandarin IV Honors course and emphasizes communication by interpersonal, interpretive, and presentational skills in real-life situations in Chinese language at the intermediate level. The course is taught almost exclusively in Chinese and engages students in an exploration of culture in both modern and historical contexts to develop students' awareness and appreciation between Chinese and their own culture. Students will develop deeper Chinese cultural understanding and grow in their language skills to interact with the Chinese speaking world in culturally appropriate ways.

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A510 French I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: French II

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

A520 French II

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 3.20 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: French III

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.

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A530 French III

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: French IV

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.

A531 French III Honors

Credit: 10 Credits/Year

Open to: 10-12

Recommended Preparation: French II, Grade of A

Summer Work: Yes. Recommended and personalized. (see Mlle Carrie)

Approximation of Weekly Workload Commitment: 3.50 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathways: French III Honors students will narrate opinions, react to opinions, ask questions and make oral presentations. Students will express themselves using present, past, and future and conditional tenses on a variety of topics and will comprehend dialogues, everyday conversations, previously learned vocabulary and current vocabulary. Students will demonstrate writing abilities on a variety of topics through rough drafts, peer editing, self-editing, and final, in-class writing tasks such as stories, essays, and email replies. Students will demonstrate reading skills through different sources of print such as poetry, short stories, novels, newspaper articles, and non-fiction material.

Description: The French III Honors course is designed for the accelerated college-bound student who completed French II in 9th or 10th grade and who wants to have the opportunity to take the AP French course the year after. Students who enroll in the French III Honors class need to be serious about taking the AP French class the year after. However, 10th graders or up who want to acquire French at a faster pace are welcome to take the class. The approach is literacy-based and incorporates reading and discussion to support student language acquisition. French III Honors is

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taught almost entirely in French and students are expected to use French to communicate in all class activities. The cultural focus of the course, introduced through film, literature, and other media, addresses the French-speaking world using cultural comparisons. This course will review grammatical structures with a focus on accuracy. There will also be a focus on expanding grammar and thematic vocabulary to allow students to communicate spontaneously in authentic situations.

A540 French IV

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: French V or AP French Language & Culture.

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 a deeper layered format.

A541 French V

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: AP French Language & Culture or continue at the university level.

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

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world. Higher-order thinking skills, literature, and composition are further enhanced.

A550 AP French Language

Credit: 10 Credits/Year

Open to: Grade 10-12

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

Summer Work: Yes

Approximation of Weekly Workload Commitment: 5 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation.

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

A512 Spanish I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: Spanish II or Spanish II Honors

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

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A513 Spanish II

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 3.20 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: Spanish III or Spanish III Honors

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 Spanish II Honors

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: Yes

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: Spanish III Honors or Spanish IV Honors.

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 enhances students' language ability, cultural interest, and serves as a gateway to becoming bilingual. Essentially, the curriculum is two years rolled into one year. It is intense at times but the 'heavy lifting' is very invigorating and challenging. The student will explore the values and traditions of the Hispanic world and its contributions through analyses of representative works of music, art, and literature.

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A532 Spanish III

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: Spanish IV.

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 the 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.

2207 Spanish III Honors

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: Spanish IV Honors, Spanish V or Spanish V Honors.

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

WORLD LANGUAGE DEPARTMENT

A534 Spanish IV

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: Spanish V or Spanish V Honors.

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

2298 Spanish IV Honors

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: Yes

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: AP Spanish Language and Culture.

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

WORLD LANGUAGE DEPARTMENT

A535 Spanish V

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 3.20 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: AP Spanish Language and Culture or AP Spanish Literature and Culture.

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

A554 Spanish V Honors

Credit: 10 Credits/Year

Open to: Grade 10-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 3.20 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: AP Spanish Language and Culture or AP Spanish Literature and Culture.

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

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A553 AP Spanish Language and Culture

Credit: 10 Credits/Year

Open to: Grade 10-12

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

Summer Work: Yes

Approximation of Weekly Workload Commitment: 5 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: AP Spanish Literature and Culture or university level Spanish.

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. Students will be provided the opportunity to take the AP exam in the Spring.

A557 AP Spanish Literature and Culture

Credit: 10 Credits/Year

Open to: Grade 11-12

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

Summer Work: Yes

Approximation of Weekly Workload Commitment: 5 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will strengthen all five language domains: reading, writing, listening, speaking, and cultural knowledge and appreciation and prepare for the next course of study in the target language. Pathway: University-level Spanish.

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

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advanced course study at the university. Students will be provided the opportunity to take the AP exam in the Spring.

VISUAL AND PERFORMING ARTS

7216 Art Production I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

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

A487 Digital Photography

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 1.40 hours plus photo shoots

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

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.

VISUAL AND PERFORMING ARTS

A489 Digital Photography II

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Digital Photography

Summer Work: None

Approximation of Weekly Workload Commitment: 1.40 hours plus photo shoots

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

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

A413 Ceramics I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

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

VISUAL AND PERFORMING ARTS

A416 Ceramics II

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Passed Ceramics I with a B or better

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

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

5769 Graphic Publication (Yearbook)

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Grade C or better in English

Summer Work: None

Approximation of Weekly Workload Commitment: 1.40 hours. Occasional out of class photography

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

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

VISUAL AND PERFORMING ARTS

2908 Video Production I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will learn to appreciate the artistic aspects of filmmaking as well as the technical skills to produce films and videos. Skills include screenplay writing, production design, scheduling, cinematography, editing, leadership, and teamwork.

Description: The Video Production course will begin with a unit on film history, appreciation, and analysis. The remainder of the first semester will be occupied by a series of training videos and projects such as a mini-documentary, a music video, and a commercial. During the second semester, students will form production teams and produce 4 episodes of the school web series “Breaker Live.” The final project will be a short film entry to the LBHS Film Festival.

A808 Video Production Advanced

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: No CTE: No Articulated: No

Expected Learner Outcomes and/or Pathway: Students will learn to appreciate the more advanced filmmaking styles technical skills to nurture a mature appreciation for film. Skills from Video Production I will be reinforced, including original screenplay writing, production design, scheduling, cinematography, editing, leadership, and teamwork.

Description: This course will provide students with a deeper understanding of video production as a form of artistic expression. During the first semester, students will fine-tune their production skills by producing the school web series with high expectations in technical skill and professionalism. During the second semester, students will have a chance to individually explore advanced techniques such as time lapse, animation, and digital effects and create innovative film projects in advanced genres such as avant-garde, film noir, and animation. The final project will be a short film entry to the LBHS Film Festival.

VISUAL AND PERFORMING ARTS

5713 Graphic Design Fundamentals

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

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.

5714 Multimedia Design Advanced

Credit: 10 Credits/Year

Open to: Grade 12

Recommended Preparation: Multimedia Design

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: No

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

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

VISUAL AND PERFORMING ARTS

A454 Wind Ensemble

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Audition or teacher recommendation

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours per week/ practice and attend performances

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: To fulfill the California State Standards for the Performing Arts.

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

A463 String Ensemble

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Audition or teacher recommendation

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours per week/ practice and attend performances

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: To fulfill the California State Standards for the Performing Arts.

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

VISUAL AND PERFORMING ARTS

A455 Jazz Ensemble

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: To fulfill the California State Standards for the Performing arts.

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: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: 1 hour of practice

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: The student will polish technique, standard notation, chord, symbols, and tablature.

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: Grade 10-12

Recommended Preparation: Teacher Recommendation

Summer Work: None

Approximation of Weekly Workload Commitment: 3.45 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: The students will develop listening skills, sight-singing ability, and knowledge of rhythm, melody, harmony, form, and other compositional devices.

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

7235 Theatre I

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: The majority of work is completed in class, however, students may need to set aside additional time to review and memorize material.

UC Approved: Yes

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Expected Learner Outcomes and/or Pathway: This beginning-level course provides an opportunity to explore the elements of drama and build confidence in speaking and presenting.

Description: Students develop basic preparation, rehearsal, and performance skills while gaining practical experience as actors, directors, and playwrights, and develop an appreciation for theatre as an art form through a critical lens. Students will analyze text, develop characters, and create original material. Coursework may include monologue or scene work, musical theatre, theatre history, audition technique, and improvisation. Students will acquire skills for listening, speaking, presenting, and collaboration which, are transferable to other subject areas, college, career, and beyond. Skills and values learned through theatre also include teamwork, adaptability, empathy, creativity, and problem-solving. Please note, this course meets after school, typically on Tuesdays and Thursdays, although this schedule is subject to change. Students may have an opportunity to perform in a showcase at the conclusion of each semester.

ELECTIVES

A006 Leadership (ASB)

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Election or appointment to student body office

Summer Work: Students are expected to attend OCL (Orange County Leadership camp) in early August. This will run Tuesday-Friday. Students are expected to assist with Freshman Orientation and Breaker Day. The class will meet periodically throughout the month of August to prepare for the upcoming school year.

Approximation of Weekly Workload Commitment: The workload varies based on events throughout the school year as well as the committee assignment. Students can expect to put in many hours outside of the school day each semester.

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Leadership has two goals. One, increase the positive school culture through academic and social events. Two, help students enrolled in the class become more effective leaders. This includes mastery of the following core leadership skills: Communication, Planning/Organizational/Forward Thinking; Problem Solving; Constructive Feedback/Evaluation; Writing: critically, reflectively and persuasively; Creativity: Professionalism: Confidence/Public Speaking; Persistence and Empathy.

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.

A027 Journalism

Credit: 10 Credits/Year

Open to: Grade 9-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: 1.15 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will gain consideration of diverse perspectives as they develop close partnerships with the students, administration, staff, and community members of Laguna Beach.

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

ELECTIVES

campus, verifying the accuracy of their content, and representing the school with pride. The class focuses on teamwork and partnership as students serve as liaisons to the academic, athletic, and administrative corners of campus. Opportunities extend at times beyond the immediate school community through partnerships with the local community. The ideal journalism experience would span a student's four-year high school career; however, a student can find reward and purpose in joining the class as an upperclassman as well. While writing for the school newspaper, students pursue a variety of writing styles and learn the responsibilities of gaining the trust of the community-wide readership. Upon completing a year of journalism, students will have satisfied their one-year elective requirement for graduation.

2870 AP Art History

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: World History or AP European History

Summer Work: No

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: The student will become an active participant in the global world of art, engaging with its forms and content. They will experience, research, discuss, read and write about artists, art-making, responses to, and interrelations of art.

Description: This course is designed to prepare students for the AP History exam and to replicate CA college-level Art History survey courses. The AP Art History course explores such topics as the nature of art, its uses, its meanings, art-making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters an in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing the understanding of individual works and interconnections of art-making processes and products throughout history. Students will be provided the opportunity to take the AP exam in the Spring.

4902 Authentic Exploratory Research

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment:

UC Approved: Yes

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Expected Learner Outcomes and/or Pathway: Students will develop real-world skills and complete a research project that pursues their passion outside the school arena. Skills polished will be research methodology, communication, professionalism, and problem-solving.

Description: The Authentic Exploratory Research (AER) Program will be an independent, real-world research course in which students propose their own driving questions in order to explore their passions and career pathways in a variety of fields. Students meet with the AER instructor on a one-on-one weekly basis outside of the regular day schedule and each student will be matched with mentors to aid in their research and analysis. The final research product will culminate in a published academic paper and a symposium presentation. Please visit www.lbusd.org/aer for more information.

A260 International Relations/Model United Nations

Credit: 10 Credits/Year

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

Recommended Preparation: Successful completion of 8th grade MUN program in middle school, 20 hours of a summer MUN program for all 9th graders without middle school MUN experience, completion of Global Studies and Skills.

Summer Work: 20 hours of a summer MUN program for 9th grade MUN newcomers

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Through research, debate, and simulation, students learn international policy and research, writing, public speaking, and consensus-building skills. LBHS MUN has a student leadership structure in which members develop organization, conflict resolution, and problem-solving skills.

Description: Students take part in authentic simulations of the UN General Assembly, UN Security Council, and other multinational 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, assume the roles of ambassadors of the country they are representing, and debate/negotiate their country's position as it applies to the issue. Classes meet 6:30 p.m. to 8:30 p.m. on Tuesdays. Conferences take place one weekend per month.

2798 Financial Literacy

Credits: 5 credits/semester

Open to: Grade 11-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes, as a yearlong and semester elective

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Expected Learner Outcomes and/or Pathway: This course is designed to introduce students to the basics of personal finance.

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

CCA-ROP College & Career Advantage

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

CTE PATHWAYS

A CTE (Career Technical Enrichment) Pathway is a series of courses, aligned to one of the 58 Industry Sectors, which provides instruction in career and technical education, leading to college and career readiness for students. For CTE Pathway completion, students must complete all courses in a pathway, in sequence, to become a pathway completer. A pathway can consist of either 2 or 3 courses, but must contain at least a concentrator and capstone course. Students who complete the required courses in a CTE Pathway, in the appropriate sequence, and earn the minimum grades, will be considered Pathway completers. These students will receive a designation on their high school transcript indicating that they completed a Career Pathway and which pathway they completed. Pathways are listed below.

CTE Graphic Design Pathway

5621 Multimedia Production

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

Description: This course explores the production printing process and the printing industry. The purpose of the course is to introduce the participant to the intricacies of all aspects of production printing and its impact on the world of graphic communication. The course is designed for students, artists, and entrepreneurs. The student will become familiar with the Adobe Package, Corel Draw, and other software. They will also work with laser cutters, screen printers, DTG printers, plotters, 3D printers, and more. This course is the Concentrator course in the CTE Graphic Design Pathway. This course is articulated with Saddleback College and students may earn free college units for taking this class. This course is aligned with Career and Technical Education Standards.

7217CC Multimedia Design Honors

Credit: 10 Credits/Year

Open to: Grade 10-12

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

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes

CTE PATHWAYS

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

Description: The primary focus of the course is given to directing students in the active creation of original artistic designs, digital illustrations, and graphic media, these are creative projects and exercises much like that of any other visual arts course. The students will learn how to create artwork that then can be produced in different mediums. 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, and CorelDraw. Demonstrations of specific tools, methods of achieving certain results, and basic best practices are given for each assignment. This course is the Capstone course in the CTE Graphic Design Pathway. This course is articulated with Saddleback College and students may earn free college units for the class. This course is aligned with Career and Technical Education Standards.

5752 3D Media Design Honors

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Multimedia Design or Production (continuing Pathway completers only)

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

Description: This course is a study of rapid prototyping (RP) and Additive Manufacturing (AM) and includes 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. Primary topics include prototype fundamentals, terminology, machine technology, advantages vs. disadvantages of various technologies, materials, and finishing for industry, featuring applied laboratory activities in additive manufacturing and post-production finishing or processes on several different rapid prototyping machines. The students will learn how to troubleshoot a variety of problems and work with people in the industry. This course is one of the Capstone courses in the CTE Graphic Design Pathway. This course is articulated with Saddleback College and students may earn free college units for the class. This course is aligned with Career and Technical Education Standards.

CTE PATHWAYS

Visual/Commercial Arts Pathway

7217 Art Production II

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Art Production I

Summer Work: None

Approximation of Weekly Workload Commitment: 1.40 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

Description: This course is designed for students interested in advanced art as a career study and portfolio development through media experimentation. The instruction of the business aspect of art will include elements that lead to a successful and original art portfolio. This is a full-year course where students will investigate drawing and painting techniques including: limited palette painting, reductive drawing, mixed media, digital painting, photography, and new media. Students will visit museums and galleries to understand the role of art in society. Students will be able to expand and apply artistic skills learned by emulating the time management and problem solving skills of an Illustrator, Animator, Photographer, Art Director, Visual Designer, and Fine Artist. This course is the Concentrator course in the CTE Visual/Commercial Arts Pathway. This course is aligned with Career and Technical Education Standards.

7218 Art Entrepreneurship

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Art Production I and Art Production II

Summer Work: None

Approximation of Weekly Workload Commitment: 1.40 hours weekly, plus 4 student created art exhibitions.

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

Description: This course is designed to introduce students to a variety of aspects in working and running a gallery exhibition and portfolio development. The focus of this course examines the role that exhibitions play in communicating knowledge and explores the variety of display methods within

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the language of exhibits. Students will understand the different roles of a curator, art director, gallery manager, museum exhibit designer, and communication designer. Students will learn how to create an Exhibition Brief; a method for organizing the “Big Idea” of an exhibit for museums, galleries, or companies. Students will go on field trips to galleries, museums, and businesses and analyze exhibits to gain an understanding of a target audience and develop exhibits of their own. Students will learn how to communicate clearly through design and create marketing tools using Adobe InDesign and Illustrator. This course is one of the Capstone courses in the CTE Visual/Commercial Arts Pathway. This course is aligned with Career and Technical Education Standards. This course is also aligned to CA Visual Arts Standards.

A439 AP 2D Art and Design

Credit: 10 Credits/Year

Open to: Grade 10-12

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

Summer Work: See LBHS Website

Approximation of Weekly Workload Commitment: 5 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

Description: The AP Studio Art program enables students to do college-level work in studio art while in high school. AP Studio Art candidates submit a portfolio of artwork and written art intent for evaluation in May. Students build a body of work that shows evidence of principles of design and original ideation using photography, painting, digital painting, or mixed media. Guidelines for the portfolios were designed to accommodate a variety of interests and approaches to art on a 2D surface. The portfolio exam has two sections including the following: Selected Works: the development of a sense of excellence in art, and Sustained Investigation; a series of 15 artworks with a unifying theme. Students investigate art careers through a series of guest college representatives, and they attend two field trips. Students will be provided the opportunity to submit their portfolio for the AP exam in the Spring. This course is one of the Capstone courses in the CTE Visual/Commercial Arts Pathway. This course is aligned with Career and Technical Education Standards.

A438 AP Drawing

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Students should have a 3.5 GPA or above Art Production I and Art Production II

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Summer Work: See LBHS Website

Approximation of Weekly Workload Commitment: 5 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

Description: The AP Studio Art program enables students to do college-level work in studio art while in high school. AP Studio Art candidates submit a portfolio of artwork and written art intent for evaluation in May. Students build a body of work that shows evidence of principles of design and original ideation using mark-making in a variety of media. Guidelines for the portfolios were designed to accommodate a variety of interests and approaches to art on a 2D surface using drawing. The portfolio exam has two sections including the following: Selected Works: the development of a sense of excellence in art, and Sustained Investigation; a series of 15 artworks with a unifying theme. Students investigate art careers through a series of guest college representatives, and they attend two field trips. Students will be provided the opportunity to submit their portfolio for the AP exam in the Spring. This course is one of the Capstone courses in the CTE Visual/Commercial Arts Pathway. This course is aligned with Career and Technical Education Standards.

CTE Patient Care Pathway

7900C2 Medical Core Honors

Credits: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: English, Integrated Science 1

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: The students will explore the Healthcare Industry and the possible career paths within the medical industry, meet the prerequisites for additional HCI courses, learn academic vocabulary (Medical Terminology) and participate in career preparation activities.

Description: This course is designed to not only expose students to the Healthcare industry by surveying the wide spectrum of Health Care occupations but also by equipping them with the entry-level knowledge and skills that apply to a variety of health occupations. Medical Core is geared toward students who are interested in the following fields: Internist, Cardiologist, Cardiopulmonary Technician, X-Ray Technician, ECG/EKG Technician, Emergency Medical Technician, Echocardiogram Technician, Medical Assistant, or Athletic Trainer, among others. Students will study at length the

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language of healthcare (Medical Terminology) through the study of anatomy and physiology. An emphasis is placed on providing students with a thorough understanding of body systems and their interrelationships. This course is the Concentrator course in the CTE Patient Care Pathway. This course is articulated with Coastline College and students may earn free college units for taking this class. The course is aligned with Career and Technical Education Standards.

Engineering Design Pathway

7731 Engineering Design & Analysis

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Completion of Algebra I

Summer Work: None

Approximation of Weekly Workload Commitment: 1 hour

UC Approved: Yes, "D" elective - Lab Science

Expected Learner Outcomes and/or Pathway: Students will develop skills in planning and executing hands-on projects that are limited by constraints, modeling the thinking and design work done by professional engineers.

Description: The course emphasizes hands-on, project-based learning in which students apply their knowledge of science. Students discover how engineers: create solutions for people; use a creative design process; design the products of our everyday lives; use computational thinking to develop solutions and collaborate to solve complex challenges. Students develop Engineering Design Skills through a multi-level engineering design process that is both accessible to high school students and authentic to the experience of professional engineers. This course is the Concentrator in the CTE Engineering Design Pathway. This course is aligned with Career and Technical Education Standards.

7732 Engineering Manufacturing and Technology Honors

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Multimedia Design or Production

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: Yes, "G" elective

Expected Learner Outcomes and/or Pathway: Visual Art students will develop the 8 studio habits of mind including the following: developing a craft, engage and persist, envision, express, observe, reflect, stretch and explore, and understand the arts community.

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Description: This course is a study of rapid prototyping (RP) and Additive Manufacturing (AM) and includes 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. Primary topics include prototype fundamentals, terminology, machine technology, advantages vs. disadvantages of various technologies, materials, and finishing for industry, featuring applied laboratory activities in additive manufacturing and post-production finishing or processes on several different rapid prototyping machines. The students will learn how to troubleshoot a variety of problems and work with people in the industry. This course is a Capstone in the CTE Engineering Design Pathway. This course is aligned with Career and Technical Education Standards. This course is articulated with Saddleback College and students have the potential to earn college credits.

Systems Programming Pathway

2472 AP Computer Science Principles

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Concurrent enrollment in Algebra I

Summer Work: None

Approximation of Weekly Workload Commitment: 1 hour

UC Approved: Yes* - "D" elective

Expected Learner Outcomes and/or Pathway: Students will gain an appreciation for the wide variety of careers computer science touches while developing skills to decompose problems, analyze algorithms, and reflect on the impact of computing on society, economy & culture. Students will apply their skills in the creation of a multitude of computational & robotic programs as well as apps.

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

CTE PATHWAYS

2470 AP Computer Science A

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Completion of AP Computer Science Principles and/or App Development (or other computer science classes)

Summer Work: None

Approximation of Weekly Workload Commitment: 3.20 hours

UC Approved: Yes*, "C" elective

Expected Learner Outcomes and/or Pathway: Students will apply and develop their skills of decomposing problems, analyzing algorithms, and developing solutions using the AP subset Java.

Description: The course introduces students to computer science with fundamental topics that include problem-solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using java language. Language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. In addition, students in the AP Computer Science A course should be comfortable with functions and the concepts found in the uses of function notation, such as $f(x) = g(h(x))$. AP Computer Science A is equivalent to a first-semester, college-level course in computer science. Students will be provided the opportunity to take the AP exam in the Spring. This course is one of the Capstone courses in the CTE Systems Programming Pathway. This course is articulated with Saddleback College and students may earn free college units for taking this class. This course is aligned with Career and Technical Education Standards.

8135 Introduction to App Development

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: AP Computer Science Principles

Summer Work: None

Approximation of Weekly Workload Commitment: 1.20 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will gain real-world experience using industry-level software to build apps that can be run on Apple products.

Description: App Development is a computer science course offered to students who have prior experience with computer science. The curriculum is designed and created by Apple Education. The class is divided into lessons and labs. In addition to the labs, there are five major projects: flashlight

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app, apple pie (word guessing game), personality quiz app, a list generator, and a menu app. The concept of this course covers both computer science standards as well as the science and engineering practices of the NGSS standards. This course is one of the Capstone courses in the CTE Systems Programming Pathway. This course is aligned with Career and Technical Education Standards.

Professional Theatre Pathway

7238 Theatre Performance

Credit: 5 Credits/Semester (Fall or Spring)

Open to: Grade 9-12

Recommended Preparation: Audition Required

Summer Work: Students may wish to prepare for audition

Approximation of Weekly Workload Commitment: The majority of work is completed in rehearsal, however, students may need to set aside additional time to review and memorize material.

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Preparation, rehearsal, and performance skills are taught explicitly, preparing students for participation in theatrical productions at the college, pre-professional, and professional levels.

Description: In this project-based course, students learn discipline-specific skills and build confidence through participation in a professional-style rehearsal process, culminating in public performances of a fully staged play or musical. Transferable skills and values learned through drama include teamwork, adaptability, empathy, creativity, and problem-solving. Students may also have opportunities to work with guest directors and choreographers. Please note this course meets in the evenings and on some weekends. Theatre Performances meets for the first ten weeks of each semester, approximately, and does not meet after performances have concluded. Typically, the fall semester project is a play and the spring semester project is a musical, however, this is subject to change at the discretion of the director. This course is the Concentrator course in the CTE Professional Theatre Pathway. This course is aligned with Career and Technical Education Standards.

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A4341 and 5743 Theatre II

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Drama

Summer Work: None

Approximation of Weekly Workload Commitment: The majority of work is completed in class, however, students may need to set aside additional time to review and memorize material.

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students build on previously learned preparation, rehearsal, and performance skills through practical experience as actors, directors, and playwrights, deepening their appreciation for theatre as an art form through a critical lens.

Description: Students build on previously learned preparation, rehearsal, and performance skills through practical experience as actors, directors, and playwrights, deepening their appreciation for theatre as an art form through a critical lens. Students will closely analyze text and expand their range as actors and playwrights. Coursework may include monologue or scene study, musical theatre, theatre history, audition technique, and improvisation. Students will hone their skills for text analysis, listening, speaking, presenting, and collaboration, which is transferable to other subject areas, college, career, and beyond. Skills and values learned through drama include teamwork, adaptability, empathy, creativity, and problem-solving. Please note, this course typically meets after school on Tuesday and Thursday, although this schedule is subject to change. Students may have an opportunity to perform in a showcase at the conclusion of each semester. This course is one of the Capstone courses in the CTE Professional Theatre Pathway. This course is articulated with Saddleback College and students may earn free college units for taking this class. This course is aligned with Career and Technical Education Standards.

5742 Musical Theatre

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: No previous experience necessary

Summer Work: None

Approximation of Weekly Workload Commitment: The majority of work is completed in class, however, students may need to set aside additional time to review and memorize material.

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Students will study the major principles of musical theatre and will hone their performance skills as they relate to musical theatre, specifically. Technique will be developed through various exercises as well as preparation and performance of a wide range of materials.

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Description: In addition to the study and preparation of ensemble, small group, and solo material, this course will include discussions about musical theatre history and its development in recent years, audition technique, careers in theatre, and other relevant topics. This is both an academic and performance-based class, designed to introduce musical theatre techniques and literature to students. Students will present multiple pieces in a public performance at the conclusion of each semester. This course is one of the Capstone courses in the CTE Professional Theatre Pathway. This course is articulated with Saddleback College and students may earn free college units for taking this class. This course is aligned with Career and Technical Education Standards.

CTE Dance Choreography Pathway

5718A Dance II

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

Open to: Grade 9-12

Recommended Preparation: Passed both semesters of Dance I with a grade of 'C' or higher and no 'U' in citizenship. Incoming freshmen or students not enrolled in dance attended a placement exam and received approval from the Director to enroll in Dance II.

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Upon completion of this class, students will have experienced a versatile approach to dance training, two live performance experiences, an understanding of how to approach dance studies in college and/or as a career, and a greater sense of individual expression and autonomy. Dance II is a Concentrator course for the CTE Dance Pathway. To receive pathway credit, students must take the course sequentially and pass both semesters with a 'D' or higher.

Description: In this yearlong course, students are held to daily intermediate standards in the training and study of dance & fitness, jazz, ballet, tap, hip-hop, modern, improvisation, and composition. Assessments and homework are used to evaluate and support student growth and understanding of the curriculum, as well as draw connections between dance history and college and/or career pathways in dance. Students are expected to perform in two annual dance concerts including all after-school rehearsals.

CTE PATHWAYS

5718B Dance III

Credit: 10 Credits/Year

Open to: Grade 10-12

Recommended Preparation: Passed both semesters of Dance II with a grade of 'B' or higher and no 'U' in citizenship. Incoming freshmen or students not enrolled in dance attended a placement exam and received approval from the Director to enroll in Dance II.

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30 Hours

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Upon completion of this class, students will have experienced a versatile approach to dance training, a variety of live performance experiences, an understanding of how to approach dance studies in college and/or as a career, and a greater sense of individual expression and autonomy.

Description: In this yearlong course, students are held to daily advanced standards in the training and study of jazz, ballet, hip-hop, modern, improvisation, and composition with an emphasis on the ability to apply the techniques in various performance settings on campus, including attendance at all after-school rehearsals. Assessments and homework are used to evaluate and support student growth and understanding of the curriculum, as well as draw connections between dance history and college and/or career pathways in dance. Dance III is a Capstone course for the CTE Dance Pathway. Dance III is articulated with Irvine Valley College and students may earn free college units for enrolling in this course

5719A Dance IV

Credit: 10 Credits/Year

Open to: Grade 11-12

Recommended Preparation: Passed both semesters of Dance III with a grade of 'B' or higher and no 'U' in citizenship.

Summer Work: None

Approximation of Weekly Workload Commitment: 2.30

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Upon completion of this class, students will have experienced a versatile approach to dance training, a variety of live performance experiences, an understanding of how to approach dance studies in college and/or as a career, and a greater sense of individual expression and autonomy. Dance IV is an Extra Offering course for the CTE Dance Pathway.

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Description: In this yearlong course, students are held to daily pre-professional standards in the training and study of jazz, ballet, hip-hop, modern, improvisation, and composition with an emphasis on the ability to apply technique in various performance settings on campus, including attendance at all after-school rehearsals. Assessments and homework are used to evaluate and support student growth and understanding of the course curriculum, as well as draw connections between dance history and college or career pathways in dance.

2356 Dance Company Honors

Credit: 10 Credits/Year

Open to: Grade 9-12

Recommended Preparation: Audition only; 2.0 GPA & athletic clearance prior to audition.

Summer Work: None

Approximation of Weekly Workload Commitment: In-class physical participation plus after-school rehearsal/performance assignments for the Winter Dance Concert (Nov/Dec) and the Spring Dance Concert (April/May). Work ePortfolio assignment for the Winter Dance Concert to document individual jobs. Preparation for the following campus and community performances: Fall Pep Rally, Winter Pep Rally, Patriot's Day Parade, and Spring Pep Rally. In-class training and preparation for Spring Dance Concert (Feb/April). Choreography projects May-June that require at-home practicing.

UC Approved: Yes

Expected Learner Outcomes and/or Pathway: Upon completion of this class, students will have experienced a versatile approach to dance training, a variety of live performance experiences, an understanding of how to approach dance studies in college and/or as a career, and a greater sense of individual expression and autonomy. Dance Company is an Extra Offering course for the CTE Dance Pathway.

Description: In this yearlong course, students are held to daily pre-professional standards in the training and study of jazz, ballet, hip-hop, modern, improvisation, and composition with an emphasis on the ability to apply technique in various performance settings on campus and within the community, including attendance at all after-school rehearsals. Assessments and homework are used to evaluate and support student growth and understanding of the curriculum, as well as draw connections between dance history and college or career pathways in dance.

PHYSICAL EDUCATION

A1500 Fitness/Wellness

Credit: 10 Credits/Yearlong

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: No

Expected Learner Outcomes and/or Pathway: Students will develop the 3 keys to fitness; 1. Building Muscle; 2. Proper Diet; and 3. Cardiovascular Exercise.

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 Athletic Conditioning Advanced

Credit: 5 Credits/Semester

Open to: Grade 9-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: No

Expected Learner Outcomes and/or Pathway: Students will develop the 3 keys to fitness; 1. Building Muscle; 2. Proper Diet; and 3. Cardiovascular Exercise.

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.

PHYSICAL EDUCATION

2510 Yoga Core Fitness

Credit: 10 Credits/Year (PE credit given)

Open to: Grade 10-12

Recommended Preparation: None

Summer Work: None

Approximation of Weekly Workload Commitment: None

UC Approved: No

Expected Learner Outcomes and/or Pathway: Students will learn yoga as a non-competitive, largely anaerobic exercise that increases balance and flexibility.

Description: This course is designed to promote healthy flexibility, mobility, breathing, mindfulness, and cardiovascular strength. Students will learn different yoga postures, controlled breathing, and proper body alignment.

2605PE Cheer

Credit: 10 Credits/Year (PE credit given)

Open to: Grade 9-12

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

Summer Work: Yes

Approximation of Weekly Workload Commitment: 10-12 hours

UC Approved: No

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

2355 Dance I

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

Open to: Grade 9-12

Recommended Preparation: Open access; no auditions or placement required

Summer Work: None

Approximation of Weekly Workload Commitment: 30 minutes

UC Approved: No

Expected Learner Outcomes and/or Pathway: Upon completion of this class, students will have experienced a versatile approach to dance training, a live performance experience, an understanding of how to approach dance studies in college and/or as a career, and a greater sense of individual expression and autonomy. Dance I is not part of the CTE pathway.

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Description: In this yearlong course, students are held to daily beginning standards in the training and study of jazz, ballet, tap, hip-hop, modern, improvisation, and composition. Assessments and homework are used to evaluate and support student growth and understanding of the curriculum, as well as draw connections between dance history and college and/or career pathways in dance. Students are expected to work behind the scenes for the annual Fall Dance Concert as well as perform in the annual Spring Dance Concert, which includes attending all after-school rehearsals.

A4521 Marching Band

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

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

Recommended Preparation: Teacher Recommendation

Summer Work: None

Approximation of Weekly Workload Commitment: 3.45 hours, plus attend all rehearsals and performances

UC Approved: No

Expected Learner Outcomes and/or Pathway: The students will polish technical skills including marching, playing an instrument while marching, body movements, and teamwork.

Description: The focus of this class concentrates on musical development, the 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 drills. P.E. credit is offered, if needed. Assignments include home practice, small group practice (section & squad rehearsals), full group rehearsals after-school hours, and performance participation. In school gatherings (pep assemblies, football games, etc.), parade competitions, field show competitions, and winter concert.

PHYSICAL EDUCATION

A453 Drumline

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

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

Recommended Preparation: Teacher Recommendation

Summer Work: None

Approximation of Weekly Workload Commitment: 3.45 hours, plus attend all rehearsals and performances. Must also enroll in Wind Ensemble or String Ensemble

UC Approved: No

Expected Learner Outcomes and/or Pathway: To perform a competitive show through the use of all percussion instruments while incorporating marching, mechanics of body movement, dance, and other dynamics.

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

ATHLETICS

Athletics

Credit: 5 Credits/Semester

Open to: Grade 9-12

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

UC Approved: No

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

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