



COURSE DESCRIPTION CATALOG

SY 2019-2020 – WEST HIGH SCHOOL (053521)





Contents

Social Science – “a”	3
English – “b”	9
Mathematics – “c”	13
Science – “d”	19
World Language – “e”	27
Visual & Performing Arts – “f”	38
College-Preparatory Elective (CTE) – “g”	48
Non-UC Approved Courses	56
Non-UC Career/Technology Education (CTE).....	56
Non-UC Electives	59
Non-UC ELD	63
Non-UC Fine Arts	64
Non-UC Health	66
Non-UC Sports	67
Non-UC PE.....	68
SCROC.....	71





Social Science – “a”

West High Social Science courses are (UC a-g, “a”) approved by the University of California.

AP Gov/MacroEconomics

Course #: 0525/0527 - AP

Course Title: AP Gov and Politics - US

Department: Social Studies

Credit Type: HS: Social Studies **UC/CSU:** a/g +

Grade Range/Term Duration: 10-12 – Year

Recommendation: Successful completion of U.S. History/AP and teacher recommendation.

Full Description: These two intensive Advanced Placement (AP), college level courses (taken simultaneously) will give students an in depth understanding and an analytical perspective on government and politics as well as our economic system in the United States. The topics of Government and Politics include Foundations of American Democracy, Interactions Among Branches of Government, Civil Liberties & Civil Rights, American Political Ideologies and Beliefs, and Political Participation. Students who wish to take this course are required to complete current event presentations, Supreme Court case studies and other projects in addition to ongoing extensive homework. The content of the curriculum is quite broad and requires students to memorize a great variety of vocabulary and new concepts that need to be applied to historical scenarios. Because grades are based heavily on test scores, students must be able to work independently and demonstrate a high level of comprehension and written expression in order to succeed.

The purpose of the intensive Macroeconomics AP course is to give students a thorough understanding of broad economic principles that impact nations as a whole. These topics include Basic Economic Concepts, Economic Indicators and the Business Cycle, National Income and Price Determination (including Keynesian and classical analysis), Financial Sector (including fiscal and monetary policy, multipliers, deficits, money, and the banking sector), Long-Run Consequences of Stabilization Policies, and Open Economy--International Trade & Finance (including balance of trade, and exchange rates). Students who wish to take this course must be adept at reading complex graphs and understanding conceptually the meaning of graphs shifting in one manner or another. Of course, AP students need to work independently on problem solving as well as demonstrate skills in reading comprehension and application in order to succeed. Students also must be responsible and disciplined enough to complete work on time.



AP Human Geography

Course #: 0503 - AP

Course Title: AP Human Geography

Department: Social Studies

Credit Type: HS: Social Studies UC/CSU: a +

Grade Range/Term Duration: 10-12 – Year

Recommendation: A or B in previous English course.

Full Description: AP Human Geography is a yearlong course that focuses on the distribution, processes, and effects of human populations on the planet. Units of study include population, culture, political geography, agriculture, industry, and urban development. Emphasis is placed on geographic models and their applications. Case studies from around the globe are compared to the situation in the United States, California, and local municipalities.

AP US History

Course #: 0505 - AP

Course Title: AP US History

Department: Social Studies

Credit Type: HS: Social Studies UC/CSU: a +

Grade Range/Term Duration: 11 - Year

Full Description: In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. In this intensive year-long course students develop and refine the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The rigorous course also focuses on an exploration of historical developments in different times and places. Themes include: national identity; work, exchange, and technology; politics and power, migration and settlement; America in the world; regional culture; and social structures.

Grades for this intensive course are based heavily on test scores and essays, therefore students must be able to work independently and demonstrate a high level of comprehension and written expression in order to succeed. Students who wish to take this course must be able to use problem solving skills, as well as demonstrate excellence in reading comprehension and application in order to succeed. Students also must be self-motivated and responsible for completing work on time.



AP World History

Course #: 0504 - AP

Course Title: AP World History

Department: Social Studies

Credit Type: HS: Social Studies **UC/CSU:** a +

Grade Range/Term Duration: 10 – Year

Recommendation: Successful completion of English1/Honors and English teacher recommendation.

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

Grades for this intensive course are based heavily on test scores, therefore students must be able to work independently and demonstrate a high level of comprehension and written expression in order to succeed. Students who wish to take this course must be able to use problem solving skills, as well as demonstrate excellence in reading comprehension and application in order to succeed. Students also must be self-motivated and responsible for completing work on time.

US Govt/Economics

Course #: 0521/0511

Course Title: US Govt/Economics

Department: Social Studies

Credit Type: HS: Social Studies **UC/CSU:** a/g

Grade Range/Term Duration: 10-12 - Year

Full Description: This course is designed to acquaint students with the basic concepts of United States government, including its structure and how it works. Emphasis is placed on the Constitution, the three branches of our federal government, the political system (including elections and interest groups), and the rights and responsibilities of citizens. Investigative learning methods are used, including civic action. Informed citizenry is essential in a democratic society, this course will help further the noble goals listed in the Preamble of the Constitution. Economics A is primarily a course in social science, enriching students' understanding of the operations and institutions of economic systems, rather than a course in household or business management or budgeting. The course places emphasis on the following areas: fundamental economic concepts, comparative economic systems, microeconomics (the study of individual behavior), macroeconomics (aggregate behavior in the economy as a whole), and international economic concepts.



US Govt/Economics (S)

Course #: 0612/0621 - ELD

Course Title: US Govt/Economics (S)

Department: Social Studies

Credit Type: HS: Social Studies UC/CSU: a/g

Grade Range/Term Duration: 10-12 – Year

Full Description: This course is designed to acquaint students with the basic concepts of United States government, including its structure and how it works. Emphasis is placed on the Constitution, the three branches of our federal government, the political system (including elections and interest groups), and the rights and responsibilities of citizens. Investigative learning methods are used, including required civic action project and exploration of local government. As an active, informed citizenry is essential in a democratic society, this course will help further the noble goals listed in the Preamble of the Constitution. Economics A is primarily a course in social science, enriching students' understanding of the operations and institutions of economic systems, rather than a course in household or business management or budgeting. The course places emphasis on the following areas: fundamental economic concepts, comparative economic systems, microeconomics (the study of individual behavior), macroeconomics (aggregate behavior in the economy as a whole), and international economic concepts. As West High transitions to common core teaching methods and assessments, there will be more emphasis on reading, writing, historical analysis skills, and an investigative approach to learning. This course includes differentiated instruction for English Language Learners. Pacing, modified materials and other differentiations are used to scaffold the content in this course.

US History

Course #: 0506

Course Title: US History

Department: Social Studies

Credit Type: HS: Social Studies UC/CSU: a

Grade Range/Term Duration: 10-12 – Year

Recommendation: High English/Language Marks

Full Description: In chronological order and with thematic contextualization, students will explore America's past, examining the cultural, political, geographic, economic and technological changes that have taken place that have helped to shape and guide us as a nation today. The first semester of the course will cover issues relating to America's beginnings through World War II; focusing on Constitutional issues, the Civil War & Reconstruction, industrialization, immigration, World War I, the 1920s, the Great Depression, the New Deal, and World War II. The second semester begins with the post World War II world. Emphasis in the second semester will be on the Cold War, the modern civil rights movement and development of modern America from the 1970s to present---day. Some of the activities to be used in the class are reading, writing essays, answering questions, group presentations, simulations, video presentations, lectures, computer work, group discussions, journal writing, critical thinking exercises, and reflective moments. As West High transitions to common core teaching methods and assessments, there will be more emphasis on reading, writing, historical analysis skills, and an investigative approach to learning.



US History (S)

Course #: 0605

Course Title: US Hist A/B (S)

Department: Social Studies

Credit Type: HS: Social Studies UC/CSU: a

Grade Range/Term Duration: 10-12 – Year

Full Description: The first semester of U.S. History provides a general overview of the history of the United States. In chronological order, students will explore America's past, examining the cultural, political, geographical, economical and technological changes that have taken place that have helped to shape and guide us as a nation today. The first semester of the course will cover issues relating to America's beginnings through the Great Depression, focusing on Constitutional issues, the Civil War & Reconstruction, industrialization, immigration, World War I, Twenties and the Great Depression and New Deal.

The second semester will provide a general overview of the history of the United States, with an emphasis on the Twentieth Century beginning with World War II. In chronological order, students will explore America's past, examining the cultural, political, geographical, economical and technological changes that have taken place that have helped to shape and guide us as a nation today. Emphasis in the second semester will focus on World War II, the Cold War, the modern civil rights movement and development of modern America from the 1970s to present--day.

World Geography A

Course #: 0483

Course Title: Wld Geog A

Department: Social Studies

Credit Type: HS: Social Studies UC/CSU: a

Grade Range/Term Duration: 9-12 – Semester

Full Description: World Geography is an introductory survey of world physical and cultural geography. While geography is based on a factual framework, this course is designed to build on the factual level to help students develop a rational understanding of: 1) human problems in coping with various environments, 2) the variety of geographic patterns of the world and their impact upon the development of societies, and 3) the skills of map reading and map making.





World History A/B

Course #: 0477

Course Title: World History AB

Department: Social Studies

Credit Type: HS: Social Studies UC/CSU: a

Grade Range/Term Duration: 10 – Year

Full Description: In World History, students will work by themselves and in groups to study, analyze and interpret events and trends that have shaped today’s world. The units we will study are Geography, World Myths, Religions & Philosophies, Autocracy vs Democracy, Middles Ages – American Revolution, French Revolution, Industrial Revolution, Nationalism, and Imperialism. The second semester will include units Geography, WWI, the Russian Revolution and 20th Century Independence Movements, World War II, The Holocaust (Genocide), Cold War and Contemporary Issues. Some of the activities to be used in the class are reading, writing essays, answering questions, group presentations, simulations, video presentations, lectures, computer work, group discussions, journal writing, critical thinking exercises, and reflective moments. As West High transitions to common core teaching methods and assessments, there will be more emphasis on reading, writing, historical analysis skills, and an investigative approach to learning.

World History A/B

Course #: 1477

Course Title: Wld Hist A/B(S)

Department: Social Studies

Credit Type: HS: Social Studies UC/CSU: a

Grade Range/Term Duration: 10 – Year

Full Description: In World History, students will work by themselves and in groups to study, analyze and interpret events and trends that have shaped today’s world. The units we will study are Geography, World Myths, Religions & Philosophies, Autocracy vs Democracy, Middles Ages – American Revolution, French Revolution, Industrial Revolution, Nationalism, and Imperialism. The second semester will include units Geography, WWI, the Russian Revolution and 20th Century Independence Movements, World War II, The Holocaust (Genocide), Cold War and Contemporary Issues. Some of the activities to be used in the class are reading, writing essays, answering questions, group presentations, simulations, video presentations, lectures, computer work, group discussions, journal writing, critical thinking exercises, and reflective moments. As West High transitions to common core teaching methods and assessments, there will be more emphasis on reading, writing, historical analysis skills, and an investigative approach to learning. This course includes differentiated instruction for English Language Learners. Pacing, modified materials and other differentiations are used to scaffold the content in this course.



English – “b”

West High English courses are (UC a-g, “b”) approved by the University of California.

AP English Language & Composition

Course #: 0104 - AP

Course Title: AP English Lang & Comp

Department: English

Credit Type: HS: English UC/CSU: b +

Grade Range/Term Duration: 11 – Year

Recommendation: A or B in English 2/English 2 Honors and teacher recommendation

Full Description: This introductory college-level course is designed to promote close textual reading and analysis of a variety of rhetorical situations. Through frequent reading, writing, and Socratic-type discussions, students will develop their ability to understand and work with language and text. In addition, students will develop their ability to closely examine, understand and use various conventions and elements of style, to use rhetorical devices in their own writing to convey meaning. Student readings will be a blend of American literature with classic and contemporary non-fiction and visual texts, organized in units framed with essential questions that will provoke students’ writing and thinking. All students are expected to take the English Language and Composition Advanced Placement Examination.

AP English Literature & Comp

Course #: 0111 - AP

Course Title: AP English Lit & Comp

Department: English

Credit Type: HS: English UC/CSU: b +

Grade Range/Term Duration: 12 – Year

Recommendation: A or B in English 3 elective/English 3 Honors and teacher recommendation

Full Description: This college-level course maintains a strong academic approach to composition and literature, and follows the curriculum prescribed by the College Board’s AP Literature exam. The literature is challenging and is read primarily independently outside of class. Students read novels, plays (including one Shakespearean play), short stories, nonfiction works, and poetry. Emphasis is given to in-depth literary analysis, through numerous essays, timed writings, examinations, discussions, and projects.



English 1

Course #: 0092

Course Title: English 1

Department: English

Credit Type: HS: English UC/CSU: b

Grade Range/Term Duration: 9 – Year

Full Description: English 1 is a student- centered, literature rich, integrated language arts course which offers intensive reading and writing experiences. It is designed to give all ninth grade students a maturing life view of the world and to build their communicative abilities to read, write, speak and listen with confidence.

English 1 H

Course #: 0095 - H

Course Title: English 1 Honors

Department: English

Credit Type: HS: English UC/CSU: b

Grade Range/Term Duration: 9 – Year

Recommendation: A' in 8 th grade English and teacher recommendation

Full Description: English 1 Honors is a rigorous, year-long course and includes all aspects of a regular English 1 course while an emphasis is placed on deeper critical thinking, employing more advanced rhetorical strategies and communicating effectively through written and oral assignments. The student reads — often independently — a wide variety of fiction and non-fiction texts, which are used for both literary analysis, as well as writing models. Research will be infused onto all written products. Grades are based on written assignments, individual projects, and daily oral participation.

English 2

Course #: 0097

Course Title: English 2

Department: English

Credit Type: HS: English UC/CSU: b

Grade Range/Term Duration: 10 - Year

Full Description: English 2 is a CCSS-aligned English Language Arts course which provides extensive reading, writing, speaking, and listening learning experiences. English 2 is a required, year-long 10 unit course which addresses and successfully meets the Common Core State Standards in English. The course focuses on the integration of reading, writing, and speaking/listening skills,





as the skills develop in concert with one another, and never when extracted and taught in isolation. A prerequisite for this course is English 1.

English 2 H

Course #: 0100 - H

Course Title: English 2 Honors

Department: English

Credit Type: HS: English **UC/CSU:** b

Grade Range/Term Duration: 10 – Year

Recommendation: A or B in English 1/English 1 Honors and teacher recommendation

Full Description: English 2 Honors is a challenging class that builds on English 2 and requires extensive reading, literary analysis, collaborative discussion and writing. The Honors student reads several kinds of World Literature and must be a strong independent learner. Short stories, novels, poems, and plays from different cultures and times are read for in-class scrutiny. In addition to smaller projects, formal projects will culminate in major presentations. English 2 Honors is for the motivated, above-average student who has the willingness and ability to be dedicated to the rigorous requirements, including reading outside of class. The focus of the course is preparation for college and advanced placement exams. Besides the increased challenge and requirements of the Honors class, California Content Standards for sophomores are taught.

English 3

Course #: 0102

Course Title: English 3

Department: English

Credit Type: HS: English **UC/CSU:** b

Grade Range/Term Duration: 11 - Year

Full Description: English 3 is a CCSS-aligned English Language Arts course which provides extensive reading, writing, speaking, and listening learning experiences. English 3 is a required, year-long 10 unit course which addresses and successfully meets the Common Core State Standards in English. The course focuses on the integration of reading, writing, and speaking/listening skills, as the skills develop in concert with one another, and never when extracted and taught in isolation. A prerequisite for this course is English 1-2.





English 4

Course #: 0107

Course Title: English 4

Department: English

Credit Type: HS: English UC/CSU: b

Grade Range/Term Duration: 12 - Year

Full Description: English 4 is a CCSS-aligned English Language Arts course which provides extensive reading, writing, speaking, and listening learning experiences. English 4 is a required, year-long 10 unit course which addresses and successfully meets the Common Core State Standards in English. The course focuses on the integration of reading, writing, and speaking/listening skills, as the skills develop in concert with one another, and never when extracted and taught in isolation. A prerequisite for this course is English 1-3.

Sustainable Society, Sustainable Future

Course #: 0143

Course Title: Sustainable SocietyFuture

Department: English

Credit Type: HS: English UC/CSU: b

Grade Range/Term Duration: 11 – Semester

Full Description: Societies throughout history have had to make decisions. Some have resulted in positive outcomes, but many have led to side-effects, such as waste, global warming, disconnection, species extinction, and over-connection via technology. This course explores alternatives to our present self-destructive patterns by presenting the works of authors with ideas that question the status quo. Inspired by the works of these scholars, students will define a path to a more sustainable, humane future. Coursework focuses on advanced study and research skills useful for college and professional skills. Class discussion focuses on creative problem-solving and outside-the-box thinking.



Mathematics – “c”

West High Mathematics courses are (UC a-g, “c”) approved by the University of California.

Algebra 1

Course #: 0302

Course Title: Algebra 1

Department: Mathematics

Credit Type: HS: Math UC/CSU: c

Grade Range/Term Duration: 9-12 - Year

Full Description: The main purpose of Algebra I is to develop students' fluency with linear, quadratic, and simple exponential functions. Additionally, these skills are applied to statistical and probabilistic models. Instructional time will focus on four critical areas: Deepening and extending understanding of linear and exponential relationships; Contrasting linear and exponential relationships with each other and engage in methods for analyzing, solving, and using quadratic extending the laws of exponents to square and cube roots; and Applying linear models to data that exhibit a linear trend. Students will continue to build on their understanding of functions by investigating tables, graphs, and equations that build on previous understandings of numbers and functions. This course bridges the gap between arithmetic and higher level mathematics through higher level critical thinking.

Algebra 2

Course #: 0306

Course Title: Algebra 2

Department: Mathematics

Credit Type: HS: Math UC/CSU: c

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Grade of “C” or better in Geometry

Full Description: Building on their work with linear, quadratic, and exponential functions, students in Algebra II extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students use the coordinate plane to extend trigonometry to model periodic phenomena. They explore the effects of transformations on graphs of diverse functions, including functions arising in application, in order to abstract the general principle that transformations on a graph always have the same effect regardless of the type of underlying function. They identify appropriate types of functions to model a situation, adjust parameters to improve the model, and compare models by analyzing appropriateness of fit and making judgments about the domain over which a model is a good fit. Students see how the visual displays and summary statistics relate to different types of data and to probability distributions. They identify different



ways of collecting data - including sample surveys, experiments, and simulation - and the role of randomness and careful design in the conclusions that can be drawn.

Algebra 2 H

Course #: 0307 - H

Course Title: Algebra 2 Honors

Department: Mathematics

Credit Type: HS: Math UC/CSU: c

Grade Range/Term Duration: 10-12 – Year

Recommendation: A or B in Geometry Honors, “A” in Geometry and teacher recommendation is advised.

Full Description: Algebra 2 Honors is for the student who has high interest and ability in mathematics. Algebra 2 Honors covers all the topics in a regular Algebra 2 course but at a higher level and faster pace.

AP Calculus AB

Course #: 0326 - AP

Course Title: AP Calculus AB

Department: Mathematics

Credit Type: HS: Math UC/CSU: c +

Grade Range/Term Duration: 10-12 – Year

Recommendation: Successful completion of Pre-Calculus/Pre-Calculus Honors and teacher recommendation is advised.

Full Description: The concepts covered in Calculus AB are aligned to the content standards determined by the College Board. The course is designed to cover the topics covered in the first semester of college calculus. Topics in the course include the techniques and applications of limits, derivatives and integrals for the functions studied in prior mathematics courses. Skills learned in prior mathematics classes are a fundamental building block of the course.



AP Calculus BC

Course #: 0328 - AP

Course Title: AP Calculus BC

Department: Mathematics

Credit Type: HS: Math UC/CSU: c +

Grade Range/Term Duration: 10-12 – Year

Recommendation: Successful completion of Calculus AB and teacher recommendation is advised.

Full Description: The concepts covered in Calculus BC are aligned to the content standards determined by the College Board. The course is designed to cover the topics covered in the first and second semester of college calculus. Topics in the course include the techniques and applications of limits, derivatives and integrals for the functions studied in prior mathematics courses. The second semester topics include: additional integration techniques and applications; polar, parametric, and logistic functions; vector and series analysis. Skills learned in prior mathematics classes are a fundamental building block of the course.

AP Statistics

Course #: 0299 - AP

Course Title: AP Statistics

Department: Mathematics

Credit Type: HS: Math UC/CSU: c +

Grade Range/Term Duration: 12 – Year

Recommendation: A in Algebra 2 or higher and teacher recommendation is advised

Full Description: It is an introduction to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course will integrate the use of graphing calculators and computers. This course is equivalent to a one semester, introductory, college course in statistics typically required for engineering, psychology, sociology, health, science, and business majors.



Geometry

Course #: 0315

Course Title: Geometry

Department: Mathematics

Credit Type: HS: Math UC/CSU: c

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Grade of “C” or better in Algebra 1

Full Description: Students begin to formalize their geometry experiences, exploring the connection between algebraic concepts with geometric concepts. They use more precise definitions and develop careful, formal proofs to prove these concepts. Students will analyze relationships through coordinate analysis. The introduction of formal proofs and the study of plane figures culminates in the study of right triangle trigonometry and circles. Students explore similarity in greater detail and compare to congruence. Students extend their knowledge of area and volume formulas to those for circles, cylinders and other rounded shapes. To conclude the course, students will expand their ability to compute and interpret theoretical and experimental probability. The major mathematical ideas include geometric transformations, proving geometric theorems, congruence and similarity, analytical geometry, right triangle trigonometry and probability. The standards in the traditional Geometry course come from the following conceptual categories: Modeling, Analytical Geometry, Statistics and Probability.

Geometry Honors

Course #: 0316

Course Title: Geometry Honors

Department: Mathematics

Credit Type: HS: Math UC/CSU: c

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Grade of “C” or better in Algebra 1

Recommendation: High “A” in Algebra 1 and teacher recommendation is advised

Full Description: Geometry Honors is for the student who has high interest and ability in mathematics. Geometry Honors covers all the topics in a regular Geometry course but in a higher level and faster pace.



Pre-Calculus

Course #: 0319

Course Title: Pre Calc

Department: Mathematics

Credit Type: HS: Math UC/CSU: c

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Successful completion of Algebra 2 or 2H

Recommendation: Grade of “B” or better in Algebra 2 and teacher recommendation is advised

Full Description: Precalculus combines concepts of trigonometry, geometry, and algebra that are needed to prepare students for the study of calculus. This course is designed to provide a comprehensive study of functions, which are the basis of calculus and other higher mathematics courses. The course strengthens students' conceptual understanding of problems and mathematical reasoning in solving problems.

Pre-Calculus Honors

Course #: 0320 - H

Course Title: PreCalculus Honors

Department: Mathematics

Credit Type: HS: Math UC/CSU: c +

Grade Range/Term Duration: 10-12 – Year

Recommendation: “A” or “B” in Algebra 2 Honors or “A” in Algebra 2 and teacher recommendation is advised

Full Description: This honors class is designed for the student who has high interest and ability in mathematics. Precalculus Honors covers all the topics that are covered in the regular Precalculus course but at a higher level and faster pace.

Probability & Statistics

Course #: 0317

Course Title: Probab/Statist

Department: Mathematics

Credit Type: HS: Math UC/CSU: c

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Grade of “C” or better in Algebra 2

Full Description: Probability and Statistics is a one-year course intended for all students who have successfully completed a second year course in algebra. The goal of this course is the introduction of probabilistic and statistical concepts and their application to real-world statistical problems.





Trigonometry

Course #: 0300

Course Title: Trigonometry

Department: Mathematics

Credit Type: HS: Math UC/CSU: c

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Grade of “C” or better in Algebra 2

Full Description: This year-long course is designed for students who have already passed Algebra II with a grade of at least a "C" but are not ready for the rigors of Pre-Calculus. The course embeds prerequisite Algebra II concepts while complementing and expanding the mathematical content and concepts of geometry as they relate to the study of trigonometry. Emphasis is on abstract thinking skills, the function concept, and the solution of problems in various content areas. Trigonometry uses the techniques students have learned in Algebra II. The trigonometric functions studied are defined geometrically rather than in terms of algebraic functions. Facility with these functions as well as the ability to prove basic identities is especially important for students intending to study calculus, more advanced mathematics, physics and other sciences, and engineering in college.





Science – “d”

West High Science courses are (UC a-g, “d”) approved by the University of California.

Anatomy & Physiology

Course #: 0405

Course Title: Anatomy/Phys

Department: Science

Credit Type: HS: Science UC/CSU: d

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Successful completion of PSE or Chemistry/H and Biology/H

Recommendation: Successful completion of Chemistry; grade of “C” or better” in the prerequisite courses

Full Description: Anatomy and Physiology is an investigation into the structure and function of the human body. The student will use the microscope to observe human tissues. Real skeletons and individual bones are studied with an emphasis on understanding human muscles and their skeletal attachments. Real mammalian brains and eyes are dissected while studying the nervous system. A fetal pig is dissected in the laboratory for a first hand look at the mammalian systems. The muscles of the frog and a sheep heart are also dissected. This course is recommended for those considering a career in any type of health or medical field or for any who has an interest in better understanding how the human body works.

Anatomy & Physiology H

Course #: 0406 - H

Course Title: Anatomy/Physiology H

Department: Science

Credit Type: HS: Science UC/CSU: d

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Successful completion of PSE or Chemistry/H and Biology/H science teacher recommendation.

Recommendation: Successful completion of Chemistry or Chemistry Honors; grades of “A” or “B” in the prerequisite courses

Full Description: Anatomy and Physiology is designed for those students who are highly self-motivated and have excellent study skills. The course investigates the structure and function of the human body. The physics and biochemistry of body movements and functions are stressed. The student will use the microscope to observe human tissues. Real skeletons and individual bones are studied with an emphasis on understanding human muscles and their skeletal attachments. Real mammalian brains and eyes are dissected while studying the nervous system. A cat is dissected in the laboratory for a firsthand look at the mammalian systems. The muscles of the frog and a sheep heart are also dissected. Students can expect to spend up to one hour per night on homework and study. This course is recommended for those considering a career in the fields of health, nursing, dentistry, medicine, biomedical research, and all the various paramedical fields.



AP Biology

Course #: 0414 - AP

Course Title: AP Biology

Department: Science

Credit Type: HS: Science UC/CSU: d +

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Successful completion of Chemistry 1/Chemistry Honors and completion of Algebra 2/H.

Recommendation: Science teacher recommendation

Full Description: Biology AP course is designed to be the equivalent of a two-semester, college-level introductory biology course focuses on enduring, conceptual understandings and the content that supports them, engages students in inquiry-based learning of essential concepts, and helps students to develop the reasoning skills necessary to engage in the practice of science. These skills include designing plans for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. This course is an excellent class for students who are serious about entering premedical, pre dental, nursing, biomedical fields and biology.

AP Chemistry

Course #: 0439 - AP

Course Title: AP Chemistry

Department: Science

Credit Type: HS: Science UC/CSU: d +

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Successful completion of Chemistry H and successful completion of Algebra 2/H

Recommendation: Chemistry Teacher Recommendation; grade of “A” or “B” in prerequisite courses

Full Description: AP Chemistry is designed to be the equivalent of a two semester, college level introductory chemistry course. AP Chemistry is a second year chemistry course that builds upon the knowledge learned in first year Chemistry Honors. AP Chemistry is qualitatively different from Chemistry Honors in terms of the depth of content, mathematical calculations, and the kinds of laboratory work performed by students. The course is designed to help student develop the reasoning skills necessary to engage in the practice of science. These skills include designing procedures for collecting data, analyzing data, applying mathematical routines, and connecting concepts. The labs are designed to connect the content to real world applications and give students the opportunity to experience hands on inquiry based science. Students should be exceedingly self motivated and have a natural ability to think critically at a higher level. Students are expected to spend on average two hours per night in individual study. This course is recommended for students interested in attending college and majoring in science or pursuing a career in the field of medicine, scientific research, biotechnology, or engineering.



AP Computer Sci Principles

Course #: 0455 - AP

Course Title: PLTW AP Computer Sci Principles

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective **UC/CSU:** g +

Grade Range/Term Duration: 10-12 - Year

Full Description: Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. While this course can be a student’s first in computer science, students without prior computing experience are encouraged to start with Introduction to Computer Science. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP’s offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment.

AP Environmental Science

Course #: 0400 - AP

Course Title: AP Environmental Science

Department: Science

Credit Type: HS: Science **UC/CSU:** d +

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Successful completion of Chemistry/Chemistry Honors and completion of Algebra 2 /Algebra 2 Honors

Recommendation: Science teacher recommendation; grades of “A” or “B” in the prerequisite courses

Full Description: The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. Students will engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Students will participate in approximately 1 hour of laboratory work each week and are expected to take the AP Exam in May.



AP Physics 1

Course #: 0441 - AP

Course Title: AP Physics 1

Department: Science

Credit Type: HS: Science UC/CSU: d +

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Successful completion of Chemistry Honors/AP with a grade of “B” or higher. Concurrent enrollment in PreCalculus or higher.

Recommendation: Science teacher recommendation. It is also highly recommended for prospective students to have COMPLETED precalculus, as physics concepts and principles are very much interrelated with calculus, and therefore easier to grasp and visualize.

Full Description: Physics 1 AP is designed to be the equivalent of one semester of college physics which emphasizes problem solving and critical thinking skills. The following topics are the main focus of this course: Newtonian Mechanics, Work, Energy, Power, Simple, Sound & Waves, and Electricity. In the problems, labs and discussions, math is used as a major tool in scientific investigation and problem-solving. This course is an excellent choice for students interested in biomedical fields, applied sciences, science research and physical sciences.

Astrobiology

Course #: 0443

Course Title: Astrobiology

Department: Science

Credit Type: HS: Science UC/CSU: d

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Successful completion of both semesters of Chemistry or Chemistry H with a grade of “C” or higher

Highly recommended: Successful completion of physics, anatomy/physiology, biotechnology, or another upper-level science elective with a grade of “C” or higher.

Full Description: This Upper level Astrobiology course builds upon students’ foundation in Biology and Chemistry to explore three central questions: How does life begin and evolve? Is there life beyond Earth and, if so, how can we detect it? What is the future of life on Earth and in the universe? The course focuses on cutting edge science topics and the latest in scientific discoveries. The course prepares students for college level science by developing higher level thinking skills. Students will use hands-on activities to explore and critically evaluate evidence for current and developing scientific ideas. The course changes as new scientific discoveries are made and is intended to be challenging and mind stretching. This course is recommended for students who are interested in actively participating in the study of the origin, evolution, distribution and future of life in the universe. Expect 30-60 minutes of homework per night, including weekends.



Biology: The Living Earth

Course #: 0412

Course Title: Biology: The Living Earth

Department: Science

Credit Type: HS: Science UC/CSU: d

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Concurrent enrollment in Algebra 1 or beyond

Full Description: This lab-based NGSS course will explore standard biological and earth science concepts from a phenomena-based approach. Students will apply their knowledge of Disciplinary Core Ideas (DCIs) to various real-world phenomena such as seasonal greening and ecospheres, superbugs, and ocean acidification or local invasive species, contextualized into a “storyline.”

Biology 1 (S)

Course #: 0424 - ELD

Course Title: Bio EL

Department: Science

Credit Type: HS: Science UC/CSU: d

Grade Range/Term Duration: 9-12 - Year

Full Description: This lab-based NGSS course will explore standard biological and earth science concepts from a phenomena-based approach. Students will apply their knowledge of Disciplinary Core Ideas (DCIs) to various real-world phenomena such as seasonal greening and ecospheres, superbugs, and ocean acidification or local invasive species, contextualized into a “storyline.”

Biology 1 H

Course #: 0411 - H

Course Title: Biology 1 - Honors

Department: Science

Credit Type: HS: Science UC/CSU: d

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Concurrent enrollment in Geometry or beyond

Recommendation: 8th grade: “A’s” in 7th or 8th grade Science, Language Arts, Algebra 1, and science teacher recommendation.
9-10th grade: “A” or “B” in previous science course; science teacher recommendation

Full Description: Biology I Honors is designed to provide a deeper, more complex exploration of core biological principles, including: Biological structures and processes, from molecules to organisms; the interactions, energy, and dynamics of





ecosystems; heredity (the inheritance and variation of traits); Biological evolution (unity and diversity). This is the foundational course for Chemistry Honors and Biology AP.

Biotechnology

Course #: 0410

Course Title: Biotechnology

Department: Science

Credit Type: HS: Science UC/CSU: d

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Completion of the Physical Science graduation requirement and Biology 1 with a grade of “C” or better as well as completion of the Algebra and Geometry graduation requirement with a “C” or better.

Full Description: Biotechnology I is a two semester, lab-based course that reinforces and extends students’ understanding of scientific concepts previously encountered in their general biology course. In addition, it provides students with the opportunity to develop laboratory, analytical, and communication skills integral to the practice of science, in general, and, in particular, to the field of biotechnology. Students in Biotechnology I will learn and practice Standard Lab Operating Procedures, keep a legal scientific notebook of their laboratory experiences, and engage in biotechnology protocols, including the manipulation of DNA and the study of proteins. Students will explore the history of biotechnology, participate in biotechnology career exploration, and consider the ethical issues involved in biotechnology.

Chemistry of the Earth

Course #: 0472

Course Title: Chemistry of the Earth

Department: Science

Credit Type: HS: Science UC/CSU: d

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Concurrent enrollment in Algebra 2 or higher

Recommendation: Successful completion of Biology 1/H with a grade of “C” or higher

Full Description: Chemistry in the Earth System is a laboratory and inquiry based course emphasizing the students’ ability to demonstrate their knowledge of chemistry within the context of the Science and Engineering Practices outlined in the Next Generation Science Standards. This course specifically examines the role of chemical properties and processes in driving the Earth system.



Chemistry 1 H

Course #: 0418 - H

Course Title: Chemistry 1 - Honors

Department: Science

Credit Type: HS: Science UC/CSU: d +

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Concurrent enrollment in Algebra 2 or higher

Recommendation: Successful completion of Biology 1/H and science teacher recommendation

Full Description: Chemistry Honors is designed for students with exceptional ability in math and science as it goes beyond the fundamentals of chemistry to emphasize the theoretical and quantitative aspects of chemistry. Topics include Stoichiometry, Gas Laws, Thermochemistry, Physical and Chemical Properties of Matter, Atomic Structure and Bonding. Skill attitudes and interest are developed through laboratory experiments and activities. Students need to be self-motivated and can expect to spend one hour per night on studying and homework. Chemistry Honors is the foundation course for AP Chemistry. The successful completion of Chemistry Honors prepares a student for future science electives including AP Chemistry, Physics, Astrobiology, Anatomy & Physiology Honors, AP Biology or AP Environmental Science.

Earth and Space Science

Course #: 0474

Course Title: Earth and Space Science

Department: Science

Credit Type: HS: Science UC/CSU: d +

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Concurrent enrollment in Algebra 1 or higher

Full Description: Earth and Space Science is a college-preparatory lab class that adheres to NGSS content standards and incorporates the Science and Engineering Practices. This course aims to prepare students to engage in the physical sciences and to empower them as scientifically-literate citizens. Lesson cycles include inquiry-based assignments, hands-on labs, and data-rich simulations to expose students to the various methods of constructing arguments from evidence. Students will hone physical science skills and knowledge within the context of the Earth.



Marine Science

Course #: 0431

Course Title: Marine Science

Department: Science

Credit Type: HS: Science UC/CSU: d

Grade Range/Term Duration: 11-12 – Year

Prerequisite: Completion of TUSD’s two year science graduation requirement with grades of “C” or higher

Full Description: Marine Science is a multidisciplinary science course that explores oceanography. Oceanography explores physical oceanography, interactions between the ocean and atmosphere, coastlines, waves, currents, chemistry and physics of the ocean, ecology and environmental science of the ocean. This course is recommended for the student that wishes to take a 3rd year of science, but is not ready for an AP class.

Physics of the Universe

Course #: 0473

Course Title: Physics of the Universe

Department: Science

Credit Type: HS: Science UC/CSU: d

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Concurrent enrollment in Trigonometry or PreCalculus or higher

Recommendation: Successful completion of Chemistry Honors with a grade of “B” or higher

Full Description: Physics of the Universe is a Next Generation Science Standards (NGSS) aligned course where students build an understanding of major Physics concepts through the lens of Earth and Space Science phenomena. In this NGSS aligned Physics course, students will participate in the process of science by looking for patterns in data and asking testable questions to build conceptual and mathematical models from which predictions can be made and formal investigations designed to confirm relationships between variables.



World Language – “e”

West High World Language courses are (UC a-g, “e”) approved by the University of California.

AP Japanese Language and Culture

Course #: 0256 - AP

Course Title: AP Japanese Language

Department: World Language

Credit Type: HS: World Languages UC/CSU: e +

Grade Range/Term Duration: 11-12 – Year

Recommendation: Completion of Japanese 3 with B or better and teacher recommendation.

Full Description: AP Japanese Language and Culture emphasizes communication by applying interpersonal, interpretive and presentational skills in real life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in Japanese. The course engages students in an exploration of culture in both contemporary and historical contexts, developing student awareness of social, political and educational issues as well as more traditional topics such as arts, customs, festivals, geography and history.

AP Spanish Language and Culture

Course #: 0189 - AP

Course Title: AP Spanish Language

Department: World Language

Credit Type: HS: World Languages UC/CSU: e +

Grade Range/Term Duration: 11-12 – Year

Recommendation: Third year of the same language with successful completion of Spanish 3 Honors or Regular.

Full Description: The AP Spanish Language course is a college prep course designed to be comparable to advanced level college/university courses. It encompasses aural/oral skills, reading comprehension, and composition. The Spanish Language AP is designed to prepare students to take the AP test in language. This class is conducted in the target language and students should have a command of the written language and fluency of the oral language. This course focuses on speaking and listening skills in Spanish.



French 1

Course #: 0195

Course Title: French 1

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 9-12 - Year

Full Description: In level 1 class the student will learn to understand, speak, read and write simple sentences in the foreign language. Conversations are used in a variety of ways to learn correct pronunciation and sentence patterns. The teacher will help the student understand the styles and customs of the areas where the language is spoken.

French 2

Course #: 0197

Course Title: French 2

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: First year of same language with grade of “C” or better.

Full Description: Level 2, like Level 1, is structured around the idea that a foreign language is most effectively learned if the students work with the four basic skills of communication: listening, speaking, reading, and writing. There is continued stress on developing skills in listening and in producing the language orally. As in level 1, conversations are used to develop a working vocabulary and for practice with grammar structures of the language. Reading selections illustrate the life style and customs of the people, and students continue to develop speaking skills through dialogues, skits, and presentations.

French 3

Course #: 0199

Course Title: French 3

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: First and second year of same language with grade of “C” or better.

Full Description: Building upon a background of basics, students will increase their oral and written communication skills and enjoyment of the language. Asian language students will be utilizing character writing to express an expanding vocabulary. A greater insight into culture will be gained through the use of reading selections, visual and audio resources and cultural projects.





French 4

Course #: 0200

Course Title: French 4

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 11-12 – Year

Prerequisite: First three years of the same language with grade “C” or better.

Full Description: Level 4 is an extension of Level 3. In addition, the students will be involved in the literature of the countries whose language they study, with literary analysis and discussions carried out in the target language. The class is conducted in the target language and students should have a command of the written language and competence in listening comprehension, reading and speaking.

Japanese 1

Course #: 0209

Course Title: Japanese 1

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 9-12 - Year

Full Description: In level 1 class the student will learn to understand, speak, read and write simple sentences in the target language. Conversations are used in a variety of ways to learn correct pronunciation and sentence patterns. The teacher will help the student understand the styles and customs in Japan.

Japanese 2

Course #: 0210

Course Title: Japanese 2

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Japanese 1 with grade of “C” or better.

Full Description: Level 2 is structured around the idea that the world languages are most effectively learned if the students work with the four basic skills of communication: listening, speaking, reading, and writing. There is continued stress on developing





skills in listening and in producing the language orally. Conversations are used to develop a working vocabulary and for practice with grammar structures of the language. Reading selections illustrate the life style and customs of the people, and students continue to develop speaking skills through dialogues, skits, and presentations.

Japanese 3

Course #: 0211

Course Title: Japanese 3

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Japanese 2 with grade of “C” or better.

Full Description: Building upon a background of basics, students will increase their oral and written communication skills and enjoyment of the language in real life scenarios. Japanese language students will be utilizing character writing to express an expanding vocabulary. A greater insight into culture will be gained through the use of reading selections, visual and audio resources and cultural projects.

Japanese 4

Course #: 0212

Course Title: Japanese 4

Department: World Languagesust

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Japanese 3 with grade “C” or better.

Full Description: Level 4 is an extension of Level 3. In addition, the students will be involved in the literature of the countries whose language they study, with literary analysis and discussions carried out in the target language. The class is conducted in the target language and students should have a command of the written language and competence in listening comprehension, reading and speaking. [Not always offered.]





Korean 1

Course #: 0228

Course Title: Korean 1

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 9-12 - Year

Full Description: It is designed for students who have no Korean language background at all. In this class, students will learn verbal and written communication, including the Korean alphabet, hangul. The students will work to develop the four modes of language proficiency: listening, speaking, reading, and writing. Conversations and readings are used in a variety of ways to learn correct pronunciation and sentence patterns. The teacher will help the student understand the different speech styles (formal and informal).

Korean 2

Course #: 0229

Course Title: Korean 2

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Korean 1 with grade of “C” or better.

Full Description: Level 2, like Level 1, is structured around the idea that a world language is most effectively learned if the students work with the four basic skills of communication: listening, speaking, reading, and writing. There is continued stress on developing skills in listening and in producing the language orally. As in level 1, conversations are used to enhance vocabulary and grammar structures. Also, students will be exposed to the life style and customs of the people in Korea through reading selections.



Korean 3

Course #: 0230

Course Title: Korean 3

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Korean 2 with grade of “C” or better.

Full Description: Building upon a background of basics, students will increase their oral and written communication skills and enjoyment of the language. Students will work to develop language proficiency across the four modes of language fluency: listening, reading, writing, and speaking. A greater insight into culture will be gained through the use of reading selections, visual and audio resources and cultural projects.

Korean 3 Honors

Course #: 0175

Course Title: Korean 3 Honors

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Korean 2 with grade of “C” or better.

Full Description: Korean 3 Honors focuses on mastery of high-intermediate level reading, writing, listening, and speaking skills as well as the further development of cultural literacy. These language skills will be developed through the study and use of authentic materials which will extend from everyday exchanges to literary texts and real-life experiences beyond the classroom setting. Students in Korean 3 Honors will have opportunities to participate in interpersonal, interpretive and presentational communication, experience products and practices, and acquire knowledge and new perspectives.



Korean 4

Course #: 0231

Course Title: Korean 4

Department: World Language

Credit Type: HS: World Languages **UC/CSU:** e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Korean 3 with grade “C” or better.

Full Description: Level 4 is an extension of Level 3. In addition, the students will read simplified Korean literature. Literary analysis and discussions will be carried out in the target language. The class is conducted in the target language and students should have a command of the written language and competence in listening comprehension, reading and speaking.

Korean 4 Honors

Course #: 0253 - H

Course Title: Korean 4 Honors

Department: World Language

Credit Type: HS: World Languages **UC/CSU:** e +

Grade Range/Term Duration: 11-12 – Year

Prerequisite: Korean 3 with grade “C” or better.

Full Description: Korean 4 Honors will provide advanced practice in reading and writing Korean. This includes extensive use of Hangeul as well as the strengthening of previously learned Hanja (Chinese character writing) and the learning of new Hanja. Small group conversations will strengthen conversation skills and confidence in speaking the language. While further developing listening, comprehension and writing skills, the course will provide advanced studies in Korean literature & develop a better understanding of Korean culture. Additionally, students will be able to read, critique and analyze a variety of reading materials, and utilize them when writing research papers and completing various independent projects. The goal of this course is to enhance the students' fluency in everyday conversation as well as in the reading and writing of Korean.



Korean 5

Course #: 0232

Course Title: Korean 5

Department: World Language

Credit Type: HS: World Languages **UC/CSU:** e

Grade Range/Term Duration: 11-12 – Year

Prerequisite: Korean 4 with grade “C” or better.

Full Description: This course focuses on highest level of listening, speaking, reading and writing using authentic materials including newspaper articles, films and other audio visual resources. Through this course, students will improve their understanding of Korea and exchange opinions through various activities.

Korean 5 H

Course #: 0254 - H

Course Title: Korean 5 H

Department: World Language

Credit Type: HS: World Languages **UC/CSU:** e +

Grade Range/Term Duration: 11-12 – Year

Prerequisite: First three years of the same language with grade “C” or better.

Full Description: Korean 5 Honors will provide advanced practice in reading and writing Korean. This includes extensive use of Hangeul as well as the strengthening of previously learned Hancha (Chinese character writing) and the learning of new Hancha. Small group conversations will strengthen conversation skills and confidence in speaking and listening. While further developing listening, comprehension and writing skills, the course will provide advanced studies in Korean literature and develop a better understanding of the culture of Korea. Additionally, students will be able to read, critique and analyze a variety of reading materials, and utilize them when writing research papers and completing various independent projects. The goal of this course is to enhance the students' fluency in everyday conversation as well as in the reading, writing, and translating Korean at a level for independent survival.



Spanish 1

Course #: 0218

Course Title: Spanish 1

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 9-12 - Year

Full Description: In level 1, the student will learn to understand, speak, read and write simple sentences in the target language. Conversations are used in a variety of ways to learn correct pronunciation and sentence patterns. The teacher will help the student understand the culture associated with the target language.

Spanish 2

Course #: 0220

Course Title: Spanish 2

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Spanish 1 with grade of “C” or better.

Full Description: Level 2, like in Level 1, is structured around the idea that the target language is most effectively learned if the students work with the four basic skills of communication: listening, speaking, reading, and writing. There is continued stress on developing skills in listening and in producing the language. As in level 1, conversations are used to develop a working vocabulary and for practice with grammar structures of the language. Teacher continues to develop and emphasize student understanding of the culture associated with the target language, and students continue to develop speaking skills through dialogues, skits, and presentations.

Spanish 2 H

Course #: 0221 - H

Course Title: Spanish 2 H

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Recommendation: Spanish 1 with a passing grade of 85% or higher and teacher recommendation.

Full Description: This course is a continuation of Spanish 1 with an emphasis on acquiring vocabulary while studying various verb tenses. There is an emphasis on using the four language skills; listening, speaking, reading and writing, as well as culture to





acquire Spanish. The second year curriculum demands that the student builds upon his/her knowledge of vocabulary and concepts learned in the first year. This course covers the same content as Spanish II but will move at a quicker, more intense pace than the regular Spanish classes. More emphasis is placed upon speaking and writing.

Spanish 3

Course #: 0222

Course Title: Spanish 3

Department: World Language

Credit Type: HS: World Languages UC/CSU: e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Spanish 2 with grade of “C” or better.

Full Description: Building upon content learned in levels 1 and 2, students will increase their oral and written communication skills using a variety of verb tenses. A greater insight into culture will be gained through the use of reading selections, visual and audio resources as well as cultural projects. The course is mainly conducted in the target language.

Spanish 3 H

Course #: 0223 - H

Course Title: Spanish 3 H

Department: World Language

Credit Type: HS: World Languages UC/CSU: e +

Grade Range/Term Duration: 10-12 – Year

Recommendation: Spanish 2/2H with a passing grade of 85% or higher and teacher recommendation.

Full Description: This course is a continuation of Spanish 2/2H with an emphasis on acquiring vocabulary while studying various verb tenses. There is an emphasis on using the four language skills; listening, speaking, reading and writing, as well as culture to acquire Spanish. The third year curriculum demands that the student builds upon his/her knowledge of vocabulary and concepts learned in the first and second year. While the course still covers the same material as Spanish 3, it consists of advanced grammatical structures and high-level vocabulary. The class moves at a quicker, more intense pace than the regular Spanish 3 class. More emphasis is placed upon speaking and writing. The course is mainly conducted in the target language and students are expected to express themselves in Spanish at all times.





Spanish 4

Course #: 0224

Course Title: Spanish 4

Department: World Language

Credit Type: HS: World Languages **UC/CSU:** e

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Spanish 3 with grade “C” or better.

Full Description: Level 4 is an extension of Level 3. Students will review all grammar tenses learned the previous year. The class is conducted in the target language and students should have a command of the written language and competence in listening comprehension, reading and speaking.



Visual & Performing Arts – “f”

West High Visual & Performing Arts courses are (UC a-g, “f”) approved by the University of California.

Advanced Band

Course #: 0333

Course Title: Adv Band

Department: Fine Arts

Credit Type: HS: Fine Art **UC/CSU:** f

Grade Range/Term Duration: 9-12 – Year

Prerequisite: none

Full Description: In the first semester, the Advanced Band (grade 9) is for all freshman woodwind and bass players. New members of the Entertainment Unit receive extra help on the marching band music. This class is required for all freshman. During the second semester, the Advanced Band continues in developing musical skills in performing C-A concert literature. Attendance at all performances and rehearsals is required. Students will need to provide proper concert attire for performances.

Advanced Ceramics

Course #: 0003

Course Title: Adv Ceramics

Department: Fine Arts

Credit Type: HS: Fine Art **UC/CSU:** f

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Beginning Ceramics with a grade of “C” or better or instructor approval

Full Description: Greater emphasis on the development and skill in executing designs, as well as originality and inventiveness are required. Ceramic glaze technique, surface decoration and two and three-dimensional forms are introduced.



Advanced Dance

Course #: 0372

Course Title: Adv Dance

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Audition and instructor approval.

Recommendation: Successful completion of Intermediate Dance is highly recommended

Full Description: Advance Dance concentrates on developing the student's ability to create dances using a variety of interesting sources as well as developing their individual technique level and endurance. Students are given the experience of working with spoken word, music, technology, props, etc. and the opportunity to develop knowledge and awareness of many different dance genres. In addition, students learn basic stage technology for dance production and the art of teaching dance through many guided peer teaching assignments, mentoring and observations. All dance students participate in three to five dance productions during the school year. There are outside obligations to this class, such as summer school, camp, performances, technique classes, workshops, rehearsals and fundraising.

AP Studio Art/AP Drawing

Course #: 0039 - AP

Course Title: Studio Art AP

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f +

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Art 2 and instructor approval

Full Description: This yearlong course is designed to prepare students for the AP Portfolio Exam. AP Studio is intended for students who are seriously interested in pursuing art in college or as a career. It is an extensive course in which art projects are produced at an accelerated rate. Students will showcase their work at the end of the year art show.



AP Music Theory

Course #: 0352 - AP

Course Title: AP Music Theory

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f +

Grade Range/Term Duration: 10-12 - Year

Full Description: This course is designed specifically for students who want to take the AP Music Theory test, but it is also beneficial for those who are interested in music theory as it applies to a music career or as enrichment for their personal music pursuits. While previous musical experience is strongly recommended, there is no pre-requisite for this course as we will be starting with the basics of music theory.

Art 1

Course #: 0007

Course Title: Art 1

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 9-12 - Year

Full Description: This yearlong class introduces students to the fundamentals of drawing and painting through the study of the Elements of Art and the Principles of Design. Students develop their creative abilities as they receive classical art training and foundation techniques.

Art 2

Course #: 0008

Course Title: Art 2

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Art 1 or instructor approval

Full Description: This yearlong course expands the art foundations studied in Art 1 through the study of realistic and interpretive drawing and painting. Students are given the opportunity to explore more artistic styles and mediums while continuing their classical art training.



Art 3

Course #: 0009

Course Title: Art 3

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Art 2 or instructor approval

Full Description: This yearlong class expands the classical art training received in Art 2. Importance is placed on refining the powers of observation and visual judgment, composition and the creative use of a wider variety of materials. It is also designed to help students prepare college art portfolios.

Art 4

Course #: 0010

Course Title: Art 4

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Art 3 or instructor approval

Full Description: This yearlong class extends the classical art training received in Art 3. Greater freedom is exercised in allowing individual art expression and growth with special emphasis on conceptual art and creativity. It is also designed to help students prepare college art portfolios.

Beginning Ceramics

Course #: 0012

Course Title: Beg Ceramics A/B

Department: Fine Arts

Credit Type: HS: Elective UC/CSU: f

Grade Range/Term Duration: 9-12 - Year

Full Description: In this yearlong course students will learn to create as well as appreciate expressive, creative three dimensional clay forms. Students will practice to become proficient at forming clay objects and refine their craftsmanship skills through a range of construction methods by hand building and wheel throwing techniques. Various decoration and glazing techniques will also be emphasized.



Beginning Choir (Concert Choir)

Course #: 0338

Course Title: Choir A/B

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 9-12 - Year

Full Description: Here you will learn how to sing without damaging your voice and how to sing in harmony in a group. You'll also learn how to read music. This class includes singing music in a wide variety of styles including singing pop, Broadway, jazz, multicultural and classical in 2 and 3 part harmony. Performance at the Torrance Memorial Hospital Holiday Festival, the Winter Choral Concert, the Spring Choral Concert and at Graduation are required. Basic vocal technique, music theory (reading and writing music) and sight singing are taught. This is the recommended class for incoming freshmen.

Advanced Choir (Aristocracy)

Course #: 0339

Course Title: Advanced Choir

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Audition required CHOIR AB OR CONSENT OF INSTRUCTOR (Required)

Full Description: Here you will learn how to sing without damaging your voice and how to sing in harmony in a group. You'll also learn how to read music. This class includes singing music in a wide variety of styles including singing pop, Broadway, jazz, multicultural and classical in 2-3 part harmony. Performance at the Torrance Memorial Hospital Holiday Festival, the Winter Choral Concert, the Spring Choral Concert and at Graduation are required. Basic vocal technique, music theory (reading and writing music) and sight singing are taught. This is the recommended class for incoming freshmen.



Costume And Wearable Art

Course #: 0263

Course Title: Costume Wearable Art

Department: Fine Arts

Credit Type: HS: Elective UC/CSU: f

Grade Range/Term Duration: 9-12 – Year

Full Description: In this two semester course students are required to learn the techniques of sewing and the tools of the art; they study the elements and principles of design and relate them to the harmony of a garment that compliments the human form. They study the history of clothing and costume and the cultural traditions that accompany the history. They learn the art of textile making, both of natural and synthetic fibers. They use dyes to create textile designs using tie-dye and batik methods. They learn the art of sketching the fashion figure, using the proportions of the human body in exaggerated form for effect. They create collections of clothing by sketching, drawing and planning the textiles from which to sew them. They create actual garments and hone their skills of pattern layout and design and constructing the garments. Those garments will reflect their artistic interpretation of the elements and principles of design in functional art. They assist in the design and production of costumes for one of the drama department's stage productions. They produce a portfolio of illustrations and display their artwear and functional clothing that is inspired by their own ideas of art and historical costume.

Glee Ensemble AB (Aria)

Course #: 0340

Course Title: Glee Ensmbl A/B

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Audition required

Recommendation: One semester in Choir A/B or Glee Ensemble

Full Description: Students are required to sing difficult choral music in 4-8 part harmony, both accompanied and a cappella. A wide variety of music is performed including pop, Broadway, jazz, multicultural and classical styles in a variety of languages. Emphasis is on the development of poise and confidence in performing, and on proper vocal technique and style. Many opportunities are provided for students to perform for school and community activities, and all performances are mandatory. Students are tested each week on music for correct pitches, rhythms and lyrics. All music must be memorized. More advanced forms of vocal technique, music theory and sight singing are taught.



Intermediate Instruments

Course #: 0354

Course Title: Intermediate Instruments

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Beginning instruments (with a grade of “B” or better) and/or permission of the instructor.

Full Description: Students learn fundamentals of producing correct tone and proper fingering on a musical instrument, reading of intermediate musical notation including pitch, rhythm, phrasing, dynamics and articulation, and to perform music for the selected instrument. They will learn intermediate level music theory (i.e. scales, key signatures, rhythms, intervals, etc.). Students will practice individually, in small groups and as a large class ensemble. They will learn to perform and identify music in varying styles such as: folk, waltz, ragtime, blues, calypso, classical and rock. In addition to performance and rehearsal, students will achieve enhanced awareness of the history and events surrounding the creation of this music. Students will also have the opportunity to create their own compositions using acoustic and digital means. Students will be expected to be able to sight read on their chosen instrument and to perform in front of an audience. Students will also view and critique the performances of their peers. Students will be expected to research and write a paper on their chosen instrument or on a particular musical style.

Jazz Band

Course #: 0346

Course Title: Jazz Band

Department: Fine Arts

Credit Type: HS: Elective UC/CSU: f

Grade Range/Term Duration: 9-12 – Semester

Prerequisite: By audition or permission of the band director

Full Description: Jazz Ensemble is open only to all classmen by audition from marching band. Membership in another instrumental music class at West High School is a prerequisite (Wind Ensemble or Advanced Band). Selected instrumentation will include four trumpets, four trombones, five saxophones, one piano, one drum set, one guitar, and one bass. Admission is by permission of the Director. Attendance at all performances and rehearsals is required.



Percussion Ensemble

Course #: 0345

Course Title: Percussn Ensemb

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Required for all 9 th grade percussion students and all members of the marching band drum line

Recommendation: Recommendation of instructor

Full Description: This is a required class for all percussion players. This class provides instruction in Marching Band techniques, concert literature, and participation in the other concert groups. Students must be enrolled in both Marching Band and Percussion Ensemble. Tryouts for this ensemble will take place in the month of May.

Theatre Arts 1

Course #: 0112

Course Title: Theatre Arts 1

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 9-12 - Year

Full Description: Theater Arts 1 consists of instruction in basic knowledge of the stage, exploration of the actor’s tools: movement, voice, and imagination, theatre appreciation, the production process, and improvisation. Students will also learn basic acting techniques and perform monologues, scene work and one act plays. They will also receive instruction in musical theatre that will concentrate on acting, singing and dancing. Students will be expected to perform in the final Theater Arts 1 showcase that takes place at the end of semester 2.

All theatre students will be expected to attend at least one live performance of per semester and write a play/musical review.



Theatre Arts 2

Course #: 0113

Course Title: Theatre Arts 2

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Successful completion of theater arts courses and/or instructor approval

Full Description: Will continue instruction in the basic techniques of performance concentrating on more advanced projects and scripted material. Students will learn advanced acting techniques and perform monologues, scene work and one act plays. They will also receive instruction in musical theatre that will concentrate on acting, singing and dancing. Students will be expected to perform in the final Theater Arts 2/3 showcase that takes place at the end of semester 2.

Theatre Arts 3

Course #: 0114

Course Title: Theatre Arts 3

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Successful completion of theater arts courses and/or instructor approval

Full Description: Will continue instruction in the basic techniques of performance concentrating on more advanced projects and scripted material. Students will learn advanced acting techniques and perform monologues, scene work and one act plays. They will also receive instruction in musical theatre that will concentrate on acting, singing and dancing. Students will be expected to perform in the final Theater Arts 2/3 showcase that takes place at the end of semester 2.



Theatre Arts 4

Course #: 0115

Course Title: Theatre Arts 4

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Audition and instructor approval

Full Description: This advanced class is only open through auditions and will consist of advanced techniques in acting, singing and dancing. Students will learn advanced acting techniques and perform monologues, scene work and one act plays. They will also receive instruction in advanced musical theatre that will concentrate on acting, singing and dancing. Students will be expected to perform in the fall production, theatre competitions, the spring musical and the final Theater Arts 4 showcase that takes place at the end of semester 2. * **Please be aware that there may be outside activities with additional costs. Students will be asked to donate or participate in fundraising to cover these costs.

Wind Ensemble

Course #: 0347

Course Title: Wind Ensemble

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: f

Grade Range/Term Duration: 9-12 – Year

Prerequisite: By audition – outstanding musical ability as demonstrated by performance on standard wind instruments

Full Description: This class enrolls the most proficient Wind and Bass players. (Grades 10-12) first semester this class concentrates on marching band music and “Pop” concert music. Senctionals are also run during this period. During the second semester, the wind ensemble performs class E-AA concert literature. Formal concert dress is provided. Size and instrumentation varies from year to year. Students are selecte by audition and marching band music test grades in December/January. Private lessons are highly recommended and **regular** home practice is expected. Attendance at all rehearsals and performances are required.



College-Preparatory Elective (CTE) – “g”

West High College-Preparatory Elective courses are (UC a-g, “g”) approved by the University of California.

Academic Decathlon

Course #: 0459

Course Title: Acad Decath

Department: Elective

Credit Type: HS: Elective **UC/CSU:** g

Grade Range/Term Duration: 9-12 – Year

Prerequisite: none

Full Description: The Academic Decathlon course consists of an interdisciplinary curriculum where students study the art, music, literature, economics, science, and social science of a specific historical era, geographic region, or other thematic category. Mathematics and oral and written communications are also integrated into the course activities. The theme changes from year to year, thus students enrolled in the course over multiple years complete a comprehensive study of the aforementioned subjects. The Academic Decathlon course also prepares students to compete in the United States Academic Decathlon (USAD) competition, wherein high school teams, each consisting of six to nine students, face off against each other at local, regional, state, and national levels.

Accounting

Course #: 0047

Course Title: Accounting 1 A/B

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective **UC/CSU:** g

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Algebra 1 (Required)

Full Description: The main feature of this course is that it allows students to develop the fundamental analytical technique of micro and macro-economics while also developing knowledge and understanding of the core concepts and issues in financial and managerial accounting. This course will provide a broad overview of the importance of accounting, the economy, support economic points being taught at the 12th grade level, including cost/benefit analysis of business, sole proprietorship, partnership, and corporations, pros and cons with regard to risks in each. The course discusses fundamental concepts from financial, tax, cost, and managerial accounting and applies them to a series of economic problems, drawing conclusions based on that analysis and further facilitate and influence decisions. Students will learn the fundamental concepts of microeconomic decision making considering national indicators such as fiscal monetary policy, economic indicators, business cycles, free market elements and trade.



Accounting 2

Course #: 0048

Course Title: Accounting 2

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: g

Grade Range/Term Duration: 10-12 – Year

Prerequisite: Completion of Accounting 1

Full Description: This course is designed as a second step in preparing students who seek possible careers in business, economics, finance, management, or accounting and builds upon the foundations learned in Accounting 1. In this one-year course students will receive advanced training on the principles and procedures of accounting. Students will use common techniques to analyze and interpret financial statements, apply account procedures for not-for-profit organizations, and work with the accounting systems used by departmentalized, branch, and manufacturing businesses.

Advanced English Workshop

Course #: 0787 - ELD

Course Title: Advanced English Workshop

Department: English

Credit Type: HS: Elective UC/CSU: g

Grade Range/Term Duration: 10-12 – Year

Recommendation: Language Levels S~U/V

Full Description: Advanced English Workshop is a part of the English Language Development (ELD) program designed for students who are not fluent English proficient. Students are scheduled into the course based on their reading level. Curriculum includes listening, speaking, reading and writing with an emphasis on oral language development for comprehension and communication. Guided Reading – a program that involves small-group reading instruction designed to provide differentiated teaching that supports students in developing reading proficiency – is used on a regular basis. Writing instruction progresses throughout the year, focusing on three writing types: narrative, argument, and informational. Non-fiction articles are read by the students to educate them about local, national and world issues. In addition, the articles are used as models and to inform their writing.



AP Psychology

Course #: 0534 - AP

Course Title: AP Psychology

Department: Social Studies

Credit Type: HS: Social Studies UC/CSU: g +

Grade Range/Term Duration: 10-12 – Year

Recommendation: Successful completion of Grade 11 English and World/U.S. History and teacher recommendation.

Full Description: Psychology AP is equivalent to an introductory college course in psychology designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. They also learn about the ethics and methods psychologists use in their research and practice. Students should be exceedingly self motivated and expect to spend about an hour per night studying and completing assignments.

Design and Architecture

Course #: 0272

Course Title: Design and Architecture

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: g

Grade Range/Term Duration: 9-12 - Semester/Year

Full Description: In this two semester introductory course students are required to learn the techniques of the arts and the tools of drawing; they study the elements and principles of design and relate them to the harmony of a product that compliments the human form. Students will be able to express themselves visually and be able to showcase their creativity. They study the history of architecture and the cultural traditions that accompany the history. They study the principles of balance, contrast, dominance, emphasis, movement, repetition, rhythm, subordination, variety and unity used in leading design works. They learn the art of combining line, texture, color, shape/form, value and space to create an original product. They learn the art of sketching products for the figure, using the proportions of the human body. They create collections of functional products and architectural designs by sketching, drawing and planning layouts. They create actual product plans and floor plans and hone their skills of computer aided drawing, layout and design. Those drawings and models will reflect their artistic interpretation of the elements and principles of design in functional art. They produce a portfolio of illustrations. This introductory year-long class will count as an elective CTE course with A-G Visual Arts emphasis.



Fashion Design and Merchandising II

Course #: 0244

Course Title: Fashion Design Merchandising 2

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: g

Grade Range/Term Duration: 10-12 – Year

Recommendation: Costume and Wearable Art or consent of instructor

Full Description: This course is a second year of study for students pursuing a career in fashion design and merchandising. In this second level, students will study multiple aspects of the fashion industry. They will continue to recognize and evaluate the effect of the art form in the creation of all costumes and designs of apparel but also integrate the business side of fashion into their work. Students will become aware of the industry operations and regulations, professional standards, garment construction and manufacturing, and apparel merchandising and marketing. They will investigate economic, environmental and consumer impacts of the industry. Their new knowledge and work will culminate with a live fashion runway show on campus.

Fashion Design and Merchandising III

Course #: 0245

Course Title: Fashion Design Merchandising 3

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: g

Grade Range/Term Duration: 10-12 – Year

Recommendation: Fashion II or consent of instructor

Full Description: This course is a capstone (third) level for students pursuing a career in fashion design and merchandising. In this ultimate level, students will focus on retail and economic aspects of the industry while continuing to design clothing. They will study fashion movements focusing on analyzing fashion trends. They will integrate business concepts of the free market and economics of supply and demand. They will further develop and utilize their knowledge of textiles and elements and principles of design, using this knowledge to write fashion journalistic articles to describe the designs they create. They will gain work experience in fashion promotion through management roles in the production and direction of the fashion runway show on campus. Students will finalize a professional portfolio of work that they have working on during the three years in this fashion pathway.



Foods and Nutrition

Course #: 0249

Course Title: Foods 1

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: g

Grade Range/Term Duration: 10-12 - Semester/Year

Full Description: This applied laboratory based course is part of a career pathway sequence in Hospitality, Tourism and Recreation that develops knowledge and skills to meet individual food needs through nutrition and food preparation as well as nutritional issues and concerns. Units will include food safety and sanitation, etiquette, nutritional problems, planning and marketing for various lifestyles, food preparation, as well as cultural elements and technology. The course meets the Consumer and Family Studies content area standards in Foods and Nutrition established by the California Department of Education in Home Economics Careers and Technology education.

Forensic Workshop (Debate)

Course #: 0185

Course Title: Frnsc Wkshp A/B

Department: English

Credit Type: HS: Elective UC/CSU: g

Grade Range/Term Duration: 9-12 - Year

Full Description: Forensics is designed to be a competitive academic class with emphasis on the development of communication skills and knowledge. Students will become proficient in the skills required for debate research and organization. Students will compete in a variety of events ranging from original oratory to debate to extemporaneous speaking to the oral interpretation of literature. These events will take place both locally and at the state level.



Honors PLTW Engineering Design and Development

Course #: 0458 - H

Course Title: PLTW EDD H

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: g +

Grade Range/Term Duration: 9-12 – Year

Prerequisite: PLTW Principles of Engineering

Full Description: Engineering Design and Development (EDD) is the capstone course in the PLTW engineering pathway. It is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. After carefully defining the design requirements and creating multiple solution approaches, teams of students select an approach, create, and test their solution prototype. Teams present and defend their original solution to an outside panel. While progressing through the engineering design process, students work closely with experts and continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process.

Intermediate English Workshop

Course #: 0786 - ELD

Course Title: Intermediate Eng/Workshop

Department: English

Credit Type: HS: English? UC/CSU: g

Grade Range/Term Duration: 9-12 – Year

Recommendation: Language Levels K~R

Full Description: Intermediate English Workshop is a part of the English Language Development (ELD) program designed for limited English proficient students. Students are scheduled into the course based on their reading level. Curriculum includes listening, speaking, reading and writing with an emphasis on oral language development for comprehension and communication. Guided Reading – a program that involves small-group reading instruction designed to provide differentiated teaching that supports students in developing reading proficiency – is used on a regular basis. Writing instruction progresses throughout the year, focusing on three writing types: narrative, argument, and informational. Non-fiction articles are read by the students to educate them about local, national and world issues. In addition, the articles are used as models and to inform their writing.



Personal and Family Management

Course #: N/A

Course Title: Personal and Fam Man

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: g

Grade Range/Term Duration: 11-12 - Year

Full Description: Students will explore many of the challenges facing them in their future of living on their own. Topics addressed include: Post high school education and training, job and career development, personal finance and budgeting, independent living including personal health and wellness, housing decisions, food preparation and nutrition, preparation and maintenance for adult relationships, communication, family theories related to development and child rearing and both personal and family crisis management.

PLTW Introduction to Engineering Design

Course #: 0447

Course Title: PLTW Intro to Engineer Design

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: g

Grade Range/Term Duration: 9-12 – Year

Full Description: To introduce engineering concepts that students encounter in a post-secondary engineering course. The class curriculum is driven by PLTW where students develop skills and understanding through the APB (activity, project, and problem based) instructional design process based on engineering concepts. Students develop strategies to become self-directed learners by cultivating interpersonal skills, creative abilities, hands on inquiry, and problem based learning. Using the engineering design process, students find solutions to real-world problems while exploring engineering and high tech careers. Topics include Energy and Power, Materials and Structures, Control Systems, and Statistics and Kinematics.



PLTW Principles of Engineering

Course #: 0432

Course Title: PLTW Principles of Engineering

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective **UC/CSU:** g

Grade Range/Term Duration: 10-12 - Year

Full Description: Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.





Non-UC Approved Courses

Non-UC Career/Technology Education (CTE)

Advanced Design Architecture

Course #: 0266

Course Title: Advanced Design Architecture

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$ _a

Grade Range/Term Duration: 9-12 - Semester/Year

Recommendation: Successful completion of Design & Architecture & teacher recommendation

Full Description: In this two semester advanced course students will learn AutoDesk Inventor 3D software and advanced AutoCAD techniques. Curriculum includes Inventor part and assembly projects, AutoCAD commercial architecture with a store that meets Del Amo Mall specs, and a capstone project dream home that follows Torrance building codes. They create floor plans and hone their skills of computer aided drawing, layout and design. Those projects reflect their artistic interpretation of the elements and principles of design in functional art. A portfolio of illustrations will be assembled for the final presentation.

Introduction to Business

Course #: 0050

Course Title: Introduction to Business

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$ _a

Grade Range/Term Duration: 9 - Semester

Full Description: Introduction to Business is a one-semester course designed for ninth graders. It is also the introductory course for the Business Finance Pathway which includes Accounting 1 as the core and Accounting 2 as the capstone course. Students will be introduced to university/college and career opportunities, utilizing computer technology as a basic research tool. Students will develop college level research methods, writing formats, and documentation, expanding analytical thinking and problem solving skills. In addition, students will learn to communicate effectively utilizing a variety of media and production tools.



Voc Cabinet Making

Course #: 0295

Course Title: Voc Cabinet Making

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective **UC/CSU:** ½

Grade Range/Term Duration: 10-12 - Year

Full Description: This course is a continuation of Woods Tech 3. It is designed to instruct students in the areas of reading project drawings, knowledge of woods and uses, calculations of materials, numerous joinery designs, and project procedures. A major emphasis will be placed on shop safety, proper hand and power tool usage and wood processes. This course provides students with an increase in advanced knowledge to the woodshop and the student will gain practical knowledge needed to work on their own projects or continue on with lifelong skills in woodworking. Students will bid and construct various teacher assigned projects as well as the opportunity to create, design and build personal projects of their choice with teacher guidance and close supervision. The appropriate use of technology and industry-standard equipment is an integral part of this course.

Wood 1

Course #: 0288

Course Title: Wood 1

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective **UC/CSU:** ½

Grade Range/Term Duration: 9-12 - Semester/Year

Recommendation: Recommended that students complete a semester of Drafting prior to enrolling in Woods 1 A

Full Description: Students will acquire knowledge of basic woodworking processes and operations and learn to safely use and care for woodworking hand tools and power tools. Students will learn to operate machinery including the band saw, radial arm saw, jointer, surface planer, lathe, various sanders, and the drill press. They will complete three required projects that teach basic woodworking operations—cutting board, lamp, and stepstool/book box. During the 2 nd semester, students will construct a taper-legged shaker table with drawer, a small lidded container and spinning top (made with the wood lathe) as time permits. Students will acquire knowledge of woodworking joints and use different types of woodworking finishes. Students will make working drawings prior to working on projects of their choice. The suggested lab donation for the materials for this class will be approximately \$30 each semester.



Wood 2

Course #: 0289

Course Title: Wood 2

Department: CTE - Career/Tech Edu

Credit Type: HS: Elective UC/CSU: ½

Grade Range/Term Duration: 10-12 – Semester

Prerequisite: Woods 1 or consent of instructor

Full Description: Students in Woods 2 will learn to safely operate, install special setups and maintain all power tools and machines in our shop. They will construct projects of their own choice as well as community projects. These projects are expected to be more complex and show superior design and craftsmanship. Students will learn about basic furniture design and construction methods and make detailed working drawings of their projects. Students will calculate a bill of sale and may be asked to donate toward materials for projects



Non-UC Electives

Class Aide (TA)

Course #: 0448

Course Title: Class Aide A/B

Department: Elective

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 11-12 - Quarter

Full Description: Completion of graduation requirements is suggested before applying for an aide position. Your grade is partially based on your attendance. A maximum of 10 credits as an aide will be allowed.

Journalism (SmokeSignals)

Course #: 0121

Course Title: Jrnalism 1 A/B

Department: English

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 – Year

Recommendation: High English/Language Marks

Full Description: This course is for students interested in publishing the digital school newspaper. Activities include brainstorming story ideas, designing pages, gathering materials through interviews and research, writing articles, taking photos and illustrating stories.

Leadership (Student Council-ASB)

Course #: 0449

Course Title: Leadership A/B

Department: Elective

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Student Council members are chosen through an election and interview process

Full Description: Student government, parliamentary procedures and school service responsibilities are stressed.



Library Practice

Course #: 0450

Course Title: Lib Pract A/B

Department: Elective

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 - Year

Full Description: Students learn the wide variety of skill, procedures, and responsibilities necessary for smooth operation of a library media center. Jobs include helping patrons locate resources, taking charge of one section of the library, checking out materials, making deliveries, processing new books, operating equipment, and assisting with various library maintenance duties. Students build public relations skills and learn to use the media center's computer programs and other information resources.

Office Aide (TA)

Course #: 0452

Course Title: Office Aide A/B

Department: Elective

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 11-12 - Quarter

Full Description: See your Counselor for information. Your grade is partially based on your attendance. A maximum of 10 credits as an aide will be allowed.

Opportunity

Course #: 0776

Course Title: Opportunity

Department: Elective

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 – Year

Prerequisite: Counselor suggestion

Full Description: Opportunity is a year long course that focuses on credit recovery and skill building. All students 10th, 11th, and 12th grade students are enrolled in the online credit recovery program, Odysseyware. Students are given the length of the school year to complete those courses. The Opportunity teachers grade the online assignments and monitor student progress. In addition to online credit recovery students complete work for their other classes. Opportunity teachers help





students to complete their work and teach lessons on study skills, test taking strategies, and organization. Opportunity teachers monitor student grades and assist students in achieving academic success.

RSP Study Skills

Course #: 1573 - SDC

Course Title: RSP Study Skills

Department: Elective

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 - Year

Full Description: This class is for students with IEP's. This elective gives students time to get homework done and get assistance with school work. See your Counselor for more information.

Teen Living

Course #: 0296

Course Title: Teen Living

Department: Other

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9 – Semester

Full Description: An introduction to the study of the discipline of Family and Consumer Science (FCS) and equips students with essential skills for living. This Consumer and Family Studies course, offered to 9th grade students, focuses on teaching students skills for managing personal, family and work responsibilities and provides a solid foundation for further study in the FCS content areas and/or for entering one of the eight industry-related FCS Related Occupations career pathway programs.





Yearbook (Chieftain)

Course #: 0771

Course Title: Grph Com Annual

Department: English

Credit Type: HS: Elective UC/CSU: ½_a

Grade Range/Term Duration: 10-12 – Year

Recommendation: High English/Language Marks

Full Description: This class is for interested students who are average to above average writers, creative thinkers, or photographers. Students will produce the school yearbook while learning teamwork, layout design, computer publishing techniques, and how to meet deadlines.





Non-UC ELD

Beginning English Workshop

Course #: 0789 - ELD

Course Title: Beginning English Workshop

Department: English

Credit Type: HS: Elective **UC/CSU:** %_a

Grade Range/Term Duration: 9-12 – Year

Recommendation: Language Levels A~J

Full Description: Beginning English Workshop is a part of the English Language Development (ELD) program and is designed for non or very limited English proficient students. Students are scheduled into the course based on their reading level. Students will also be exposed to American culture, values and traditions. It includes listening, speaking, reading and writing with an emphasis on oral language development for comprehension and communication. Guided Reading – a program that involves small-group reading instruction designed to provide differentiated teaching that supports students in developing reading proficiency – is used on a regular basis. Writing instruction progresses throughout the year, focusing on three writing types: narrative, argument, and informational.

EL Intervention

Course #: 0792 - ELD

Course Title: EL Intervention

Department: English

Credit Type: HS: Elective **UC/CSU:** %_a

Grade Range/Term Duration: 9-12 - Year

Full Description: EL Intervention is a student centered course, designed to support English Learners who are not performing to their potential. The students are usually long-term English Learners who are not making sufficient linguistic and academic progress to meet redesignation criteria and exit English learner status. In the class, students work individually and cooperatively in strengthening and improving their work habits and study skills. Self-motivation, responsibility and independent thinking are encouraged to increase student performance in the core curriculum. Students who plan to enroll in a four-year college or university should take a sequence of courses at least through Algebra 2. The State University and UC systems require Algebra 2 for entrance into the University from high school, although further coursework is recommended. Students who plan a career in mathematics, science, or a related field are encouraged to take four years of high school mathematics.



Non-UC Fine Arts

Band (Tall Flags)

Course #: 0334

Course Title: Band A/B

Department: Fine Arts

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 – Year

Prerequisite: By audition or permission of the band director

Full Description: During the first two quarters of the year, the P.E. activities are preparation for marching activities. Students are expected to complete 8 required quarters of PE through participation during all four years of high school. Students take part in physical fitness testing.

Beginning Instruments

Course #: 0336

Course Title: Beg Instrumnt A

Department: Fine Arts

Credit Type: HS: Elective UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 - Year

Full Description: This class is open to all students wishing to learn to read music and play either guitar or piano. Students must choose one instrument and continue playing that instrument all year long. Students will learn pitch, rhythm, technique, music reading, sight reading and musicianship. An in class recital is required at the end of each semester.



Stage Tech (P7)

Course #: 0084 - P7

Course Title: Stage Tech A B

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 10-12 – Year

Full Description: Students will receive instruction in all aspects of the Backstage Production process. This will include topics such as Stage Lighting, Stage Management, Costumes, Set Design and Props. Students will have the chance to choose a job and become part of the production team. Stage Tech students are responsible for all of the tech needed for plays/productions performed by the WHS Theatre Dept, along with running/working of other fine arts and school events. All Students enrolled in theatre management this year will only be attending 1st or 7th period 1-2 days a week. All students must work and complete a tech job during a live performance each semester. They must complete 75 tech hours per semester



Non-UC Health

Health

Course #: 0235

Course Title: Health

Department: Health

Credit Type: HS: Health UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 - Semester

Full Description: It is an introduction to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course will integrate the use of graphing calculators and computers. This course is equivalent to a one semester, introductory, college course in statistics typically required for engineering, psychology, sociology, health, science, and business majors.





Non-UC Sports

PHYSICAL EDUCATION ATHLETICS

Department: PE

Credit Type: HS: PE UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 – Quarter

Prerequisite: Students are recommended for this program by respective coaches. The courses involve participation in interscholastic athletic program. Each athlete is responsible for seeing that his/her names in on the team roster submitted by the coach of that sport prior to scheduling. Students approved for a team will be placed in 6th period and remain in 6th period for the entire semester. Each athlete must have a physical examination from a doctor, insurance, parent permission forms on file and clearance from the athletic director's office before he/she may participate. Athletes must meet CIF and District eligibility requirements (GPA above 2.0, nor more than one U). Once the student begins a sport, he/she is ineligible to participate in another sport until the initial season has ended.

Students are encouraged to participate in the West High School Summer school athletic programs that are offered at West High School.

FALL SPORTS

(0370) Boys' Football

(0395) Boys' Water Polo

(0368) Boys' and Girls' Cross Country

(0389) Girls' Tennis

(0391) Girls' Volleyball

(0399) Girls' Golf

WINTER SPORTS

(0387) Boys' Soccer

(0387) Girls' Soccer

(0367) Boys' Basketball

(0367) Girls' Basketball

(0395) Girls' Water Polo

(0392) Boys' and Girls' Wrestling

SPRING SPORTS

(0366) Boys' Baseball (Tryouts held in winter)

(0388) Girls' Softball (Tryouts held in early fall)

(0390) Boys' & Girls' Track (Tryouts held in winter)

(0399) Boys' Golf (Tryouts held in late fall)

(0395) Boys & Girls' Swimming

(0389) Boys' Tennis (Tryouts held in late fall)

(0391) Boys' Volleyball (tryouts held in late fall)

Because all 9th and 10th graders must be enrolled in physical education, keeping statistics for a team is considered an aide position. It is a quarter class and does NOT count as a P.E. class. Statisticians will not be enrolled in 6th period Athletics.



Non-UC PE

Beginning Dance

Course #: 0373

Course Title: Beg Dance

Department: PE

Credit Type: HS: PE UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 - Quarter

Full Description: In Beginning Dance, students learn the basic dance techniques in various genres. They also learn basic dance history and vocabulary while incorporating the elements of dance. Students use these elements of dance to develop original choreography. Dance students have the opportunity to participate in a dance production, basketball halftime or showcase during the school year but it is not mandatory. Dance students are also trained in flexibility and cardiovascular endurance to train for the annual physical fitness test.

Drill Team

Course #: 0369

Course Title: Drill Team

Department: PE

Credit Type: HS: PE UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 – Quarter

Prerequisite: Tryouts are given, and once selected, team members must meet internal standards governing performance participation

Full Description: This course is designed for those students who are selected to represent West High School as drill team members. A regular P.E. schedule of activities is offered including the administration of physical performance tests for all 9 th graders.



Fitness & Conditioning

Course #: 0386

Course Title: Fitness Conditioning10-12

Department: PE

Credit Type: HS: PE UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 10-12 - Quarter

Full Description: Students engage in activities to improve their fitness in the following areas: cardiovascular muscular strength, muscular endurance and flexibility. A variety of activities are taught/used to promote lifelong fitness. Credit will be given on a quarter basis.

Intermediate Dance

Course #: 0374

Course Title: Inter Dance

Department: PE

Credit Type: HS: Fine Art UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 – Quarter

Prerequisite: Audition & instructor's approval

Full Description: In Intermediate Dance, students are given the opportunity to create and form their own dance studies based on the elements of dance. The students learn dance technique, fundamentals, forms and styles of movement. The emphasis in this course will be on developing the student's awareness and understanding of their own movement style through improvisation and developing peer teaching. All dance students participate in three-five dance productions during the school year. There are outside obligations to this class, such as summer school, camp, performances, technique classes and fundraising.



PE 9

Course #: 0384

Course Title: PE 9

Department: PE

Credit Type: HS: PE UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 – Semester

Prerequisite:

Recommendation:

Full Description: All ninth graders must take ninth grade physical education unless he or she is participating in athletics, P.E. Band, Color Guard, or Pep Squad. Students will participate in two activities per quarter. All classes are coed. Ninth grade physical education classes may include the following activities: fitness and conditioning, badminton, tennis, flag football, soccer, weight training, basketball, volleyball, and track and field.

PE Band (Marching Band)

Course #: 0376 - P0

Course Title: PE Band

Department: PE

Credit Type: HS: PE UC/CSU: $\frac{1}{2}$

Grade Range/Term Duration: 9-12 – Semester

Prerequisite:

Recommendation:

Full Description: The West High Entertainment Unit meets daily in the fall in preparation for parades, field tournaments, football game performances, assemblies, and community performances. Marching band meets during zero period. Instruments are provided if needed and uniforms are provided after the student has paid the band fee. Black band shoes and black socks are included in the fees. All woodwind, brass and percussion players for Wind Ensemble, Advanced Band, and Jazz Band are selected from marching band. Attendance at all rehearsals and performances is required as well as regular home practice and sectionals. This Class is not separate from the other band classes. It is in the curriculum for those band classes. You also get P.E. credit for the First Semester too.



SCROC

SCROC 1-4pm

Course #: 0627

Course Title: SCROC 1-4pm

Department: Varies

Credit Type: HS: Elective UC/CSU: varies

Grade Range/Term Duration: 12 - Semester

Full Description: Courses taught offsite through Southern California Regional Occupational Center for high school and/or college credit. See a counselor for details.

SCROC 4-7pm

Course #: 0628

Course Title: SCROC 4-7pm

Department: Varies

Credit Type: HS: Elective UC/CSU: varies

Grade Range/Term Duration: 12 - Semester

Full Description: Courses taught offsite through Southern California Regional Occupational Center for high school and/or college credit. See a counselor for details.

SCROC 7-10pm

Course #: 0653

Course Title: SCROC 7-10pm

Department: Varies

Credit Type: HS: Elective UC/CSU: varies

Grade Range/Term Duration: 12 - Semester

Full Description: Courses taught offsite through Southern California Regional Occupational Center for high school and/or college credit. See a counselor for details.



Theatre Management

Course #: 0666

Course Title: SCROC Theatre Management

Department: Fine Arts

Credit Type: HS: Fine Art UC/CSU: $\frac{1}{2}$ _a

Grade Range/Term Duration: 10-12 - Year

Full Description: Students learn the skills necessary for costume design, management, and set construction, design, and decoration. Students design and build sets for all major school plays and construct a scale model of a simple set of their own design. Participating in drama productions as well as assisting in assemblies which need stage facilities is required.

