

2023-2024

Vista Real
Summer Intersession
Course Catalog

English 9 A/B

Transcript Category: English 9

Credits: 10 A-G: B

Description: English 9 presents students with literature and informational texts that present themes such as “Finding Common Ground” and “The Struggle for Freedom” to enhance their understanding about the human condition. It is intended to provide challenging instruction, expand the students’ skill levels, and enrich the students’ knowledge with a wide variety of assignments including argumentative research essays, author biographies, reflective personal narratives, and literary analysis. This course explores a variety of genres including drama, short stories, seminal documents, non-fiction. Students will practice active reading and applying new literary terms in analyzing texts. As a result of this course, students will analyze characters and types of conflict. As critical readers, students will distinguish between fact and opinion and describe the credibility of the author. In addition, students will use context clues to better answer questions about the stories they read. As part of this course, students will read and respond to a variety of novels such as, but not limited to, Suzanne Collins’ *The Hunger Games* and Art Spiegelman’s autobiographical graphic novel *Maus*, as well as essential texts including Martin Luther King Jr.’s “I Have a Dream,” *Romeo and Juliet*, and *The Odyssey*. The ideas from the various readings will assist students in making connections between English Language Arts and the world they encounter on a daily basis. Throughout the course students will improve upon their abilities to critically read, effectively write, and reflect as scholars.

English 10 A/B

Transcript Category: English 10

Credits: 10 A-G: B

Description: English 10 presents students with literature and informational texts that present themes such as “How We See Things” and “Ourselves and Others” to enhance their understanding about the human condition. Through their critical reading and analysis of texts including but not limited to *The Absolutely True Diary of a Part-Time Indian*, Neil deGrasse Tyson’s essay “Coming to Our Senses,” and additional selections from Josephine Baker, Jane Goodall, and Shakespeare, students create connections between English Language Arts and the world they encounter on a daily basis. Students are prompted to respond to these texts in various ways such as research presentations, personal narratives, and literary analysis. Through the texts and activities described, this course develops skills that serve as the necessary basis for continued learning and 21st century readiness, which enriches their individuality, fosters responsible citizenship, and preserves the common literary heritage of our culture.

English 11 A/B

Transcript Category: English 11

Credits: 10 A-G: B

Description: English 11 is a study of language, literature, composition, and oral communication with a focus on exploring characterization across universal themes, such as “Building a Democracy” and “The Individual and Society,” and a wide variety of genres. Students use literary interpretation, analysis, comparison, and evaluation to read and to respond to representative works of historical or cultural significance including but not limited to *The Great Gatsby*, *Animal Farm*, *The Bill of Rights*, and *Walden*. Students read classic and contemporary literature balanced with nonfiction--the major focus is the critical analysis of seminal U.S documents. Students examine and compose various types of writing including, literary analysis, satire, synthesis, and narrative as well as deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online and printed information. Successful completion of this course will prepare students for rigorous senior-level courses focused in critical reading and effective written expression.

English 12 A/B

Transcript Category: English 12

Credits: 10 A-G: B

Description: English 12 is a rigorous course in which students will explore major works of British literature and how they connect with modern themes and essays from around the globe. As a result of this course, students will evaluate how the English language and ideals evolved over time after reading the Old English Legend of Beowulf, “the Wife of Bath’s Tale,” “A Modest Proposal,” and Hamlet. Students will also explore various social challenges and attitudes and how they are addressed in literature, such as gender roles, our role in nature, and the function of protest in the community. English 12 presents students with literature and text that convey values, emotions, and truths about the human condition. The course teaches skills necessary for further learning and career development. It challenges students to critically examine ideas that enrich the human spirit and provide a foundation for an informed, literate citizenry.

Mathematics

Algebra 1 A/B

Transcript Category: Algebra

Credits: 10 A-G: C

Description: The fundamental purpose of Algebra 1 is to formalize and extend the mathematics that students learned in the middle grades. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. Critical areas include: (1) reasoning with equations, (2) linear and exponential relationships, (3) descriptive statistics, (4) expressions and equations, and (5) quadratic functions and modeling.

Geometry A/B

Transcript Category: Mathematics

Credits: 10 A-G: C

Description: The fundamental purpose of Geometry is to formalize and extend student's geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Transformations are emphasized early in this course. Critical areas include: (1) congruence and similarity, (2) trigonometry, (3) extending to three dimensions, (4) connecting algebra and geometry through coordinates, (5) applications of probability.

Algebra 2 A/B

Transcript Category: Mathematics

Credits: 10 A-G: C

Description: Building on their work with linear, quadratic, and exponential functions, students 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. Critical areas include: (1) polynomial, rational, and radical relationships, (2) trigonometric functions, (3) modeling with functions, (4) inferences and conclusions from data.

Pre-Calculus A/B Apex

Transcript Category: Mathematics

Credits: 10 A-G: C

Description: Our online Precalculus course is a course that combines reviews of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. The first semester includes linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers.

Mathematics

Integrated Math 1 A/B

Transcript Category: Algebra

Credits: 10 A-G: C

Description: In Integrated Math 1, students will study linear and exponential equations and functions. Students will use linear regression and perform data analysis. They will also learn about geometry topics such as simple proofs, congruence, and transformations. Important Note: Integrated Math 1 satisfies the CA AB 220 Algebra I and Mathematics I requirement. The courses in the Integrated Pathway follow the structure introduced in the K–8 grade levels of the California Common Core State Standards for Mathematics (CA CCSSM); they present mathematics as a coherent subject and blend standards from different conceptual categories.

Integrated Math 2 A/B

Transcript Category: Mathematics

Credits: 10 A-G: C

Description: Integrated Math 2 expands into quadratic, absolute value, and other functions. Students will also explore polynomial equations and factoring, and probability and its applications. Coverage of geometry topics extends to polygon relationships, proofs, similarity, trigonometry, circles, and three-dimensional figures. The courses in the Integrated Pathway follow the structure introduced in the K–8 grade levels of the California Common Core State Standards for Mathematics (CA CCSSM); they present mathematics as a coherent subject and blend standards from different conceptual categories.

Integrated Math 3 A/B

Transcript Category: Mathematics

Credits: 10 A-G: C

Description: In Integrated Math 3, students will expand their understanding of area and volume with geometric modeling, which students will apply throughout the course as they learn new types of functions. Students will study polynomial, radical, logarithmic, rational, and trigonometric functions. They will also learn how visual displays and statistics relate to different types of data and probability distributions. The courses in the Integrated Pathway follow the structure introduced in the K–8 grade levels of the California Common Core State Standards for Mathematics (CA CCSSM); they present mathematics as a coherent subject and blend standards from different conceptual categories.

Earth Science A/B

Transcript Category: Physical Science

Credits: 10 **A-G:** D

Description: The main purpose of Earth Science is to develop an understanding of the Earth and the universe around it. The overarching ideas of the course include: Earth's place in the solar system, the universe and stars, the big bang theory, the history of planet Earth, Earth's materials and systems, plate tectonics, Earth's surface processes and features, weather and climate, natural resources, natural hazards, human impact on Earth's systems, and global climate change.

Biology A/B

Transcript Category: Life Science

Credits: 10 **A-G:** D

Description: The main purpose of Biology is to develop an understanding of life in the natural world. The overarching ideas of the course include: the origins of life, photosynthesis, cellular respiration, genetics, evolution, and ecology. Students will investigate how humans impact the biosphere and Earth's natural cycles.

Chemistry A/B

Transcript Category: Physical Science

Credits: 10 **A-G:** D

Description: The main purpose of Chemistry is to develop an understanding of the composition, structure, and properties of matter, the processes matter undergoes, and the energy changes that accompany these processes. The overarching ideas of the course include: the structure of matter, the periodic table, molecules and compounds, stoichiometry, states of matter, aqueous solutions, chemical reactions, oxidation/reduction, chemical equilibrium, nuclear chemistry, and biochemistry.

History/Social Science

World History A/B

Transcript Category: World History

Credits: 10 **A-G:** A

Description: World History takes a global and comparative approach to studying the world and its past to develop a greater understanding of how the Modern World was shaped. Students will examine and analyze the causes and consequences of major historical events and how these events affected people across regions and across time. The 300-year period covered in this course examines the increase of a global history as people, products, disease, knowledge, and ideas spread around the world as never before.

US History A/B

Transcript Category: US History

Credits: 10 **A-G:** A

Description: According to The Declaration of Independence, the founders of the United States believed that “All men are created equal, that they are endowed by their Creator with ... Liberty.”

Yet throughout the history of the nation, many in the United States have been denied liberty and equality. In this course, students examine the major lessons of United States’ history, from the founding of the nation to the present. Students will explore the founding documents of the United States and analyze how and why the principles of equality and liberty were realized by and extended to many, yet also denied to many. The course begins with an introduction to the political and religious foundations of the United States and concludes with a focus on contemporary concerns. This course chronologically presents the important moments, lessons, cultures, and people that shaped the United States.

Civics/American Government

Transcript Category: Civics

Credits: 5 **A-G:** A

Description: The study of Civics allows our students to be prepared to participate fully and effectively in our nation’s democracy. Gaining civic knowledge and skills makes it possible for our students to understand and preserve the fundamental values and principles of American constitutional democracy. This course will examine the origins, structure, and purpose of American government, the rights of its citizens, how the US interacts in world affairs, and what it means to be a citizen of the US.

Economics

Transcript Category: Economics

Credits: 5 **A-G:** A

Description: Understanding economics is essential in today’s globalized world. Students need to become aware of the causes and consequences of economic decisions and public policy. This course will help our students develop “economic literacy” to allow them to make successful economic decisions in their lives. The course examines economics at the individual, professional, national, and global levels. This course also helps students understand the importance of supply and demand, and the importance of developing economic literacy regarding their personal finances.

Health & Physical Education

Integrated Health and Patient Care

Transcript Category: Health

Credits: 5 A-G: GO

CHYA Compliant: Yes

Description: This course integrates Health with the Patient Care (Health Science and Medical Technology) CTE pathway. Students with the necessary knowledge and skills to promote health literacy, wellness, and positive behavior. The course takes students on a fascinating journey helping them learn different ways to promote wellness while identifying the causes of health problems and ways to prevent them. Students will identify ways related to promoting emotional, physical, and social health. Several topics are covered by the course such as communication and teamwork, relationships, fitness, human anatomy, medical terminology, nutrition, food and consumerism, prevention and disease control, use and misuse of substances, injury prevention, safety, family, and personal values. The course provides students with a comprehensive understanding of anatomy, physiology, and pathophysiology of the human body. This course presents the tools for students to understand the importance of health and the necessary tools to promote wellness.

Physical Education I A/B

Transcript Category: Physical Education

Credits: 10 A-G: No

Description: Physical Education I guides students through physical activity in five focus areas – aerobic & anaerobic exercise, motor movement, strength building, flexibility and comprehensive fitness. Each semester examines these concepts through the lens of specific types of sports, with Semester A focusing on running and Semester B on martial arts. Students consider the role each focus area plays in a healthy lifestyle, including corresponding exercises & nutritional needs, and conduct case studies of exemplary athletes in the respective fields. In their performance tasks for each credit, students assess their capacity in the respective focus areas, and perform & record physical activity equaling 12 hours (720 minutes). In credit 5, they are re-assessed in all focus areas to measure growth throughout the course.

Physical Education II A/B

Transcript Category: Physical Education

Credits: 10 A-G: No

Description: Physical Education II guides students through physical activity in five focus areas – aerobic & anaerobic exercise, motor movement, strength building, flexibility and comprehensive fitness. Each semester examines these concepts through the lens of specific types of sports, with Semester A focusing on strength and conditioning and Semester B on team sports. Students consider the role each focus area plays in a healthy lifestyle, including corresponding exercises & nutritional needs, and conduct case studies of exemplary athletes in the respective fields. In their performance tasks for each credit, students assess their capacity in the respective focus areas, and perform & record physical activity equaling 12 hours (720 minutes). In credit 5, they are re-assessed in all focus areas to measure growth throughout the course.

Visual & Performing Arts

Art History A/B

Transcript Category: Visual and Performing Arts Credit

Credits: 10 A-G: No

Description: This course will introduce students to a challenging and richly rewarding academic discipline. Not only will students learn the vocabulary of the visual arts – painting, architecture, sculpture, and photography – but they will also study the historical periods during which individual masterpieces were created. Through the visual arts the student will gain uniquely vivid glimpse into the human experience. This course focuses primarily on Western traditions and only begins to address non-Western traditions.

Computer Literacy & Ethnic Studies

Digital Skills

Transcript Category: Elective

Credits: 5 A-G: No

Description: Digital Skills is a course which covers many of the 21st century skills necessary for student academic and professional success. In this course students will learn the fundamental basics of the Google Drive Suite which includes Google Docs, Slides, Drawings, Gmail, and Calendar. Students will learn the importance of staying safe online as well as representing themselves in a positive light through their digital footprint. Students will learn and use a variety of tools to increase productivity and organization while working online. The course covers the importance of multimedia in enhancing academic and professional projects. Students will learn and apply advanced skills in the Google Drive Suite to ensure they maximize the features available. Lastly, students will design and create an online portfolio using Google Sites to showcase the work completed in the course.

Introduction to Ethnic Studies

Transcript Category: Elective

Credits: 5 A-G: GO

Description: Learners will deepen their understanding and appreciation of ways in which race, ethnicity and cultural diversity have shaped America. This course will require students take a broad look at the ideology of race and cultural diversity. The primary focus is on the historical and social relationships among Native Americans, African Americans, Latino/as, and Asian/Pacific Americans. Issues of race and ethnicity are examined across different ethno-cultural traditions in order to interweave diverse experiences into a larger synthesis of the meaning of race and ethnicity in American life.

World Languages

Spanish 1A/B (Apex)

Transcript Category: Foreign Language

Credits: 5 **A-G:** E

Description: Students will complete a mixture of work on the computer within the internet-based software Rosetta Stone, written work in the LEP, and an oral assessment with their assigned teacher. Rosetta Stone is an immersive and interactive learning system in which students are thrown into the world of language acquisition. The software includes lessons focusing on vocabulary, grammar, writing, listening, and speaking with the use of voice recognition software that evaluates pronunciation. The course is A-G approved and aligned with the California World Language Standards.

Spanish 2A/B (Apex)

Transcript Category: Foreign Language

Credits: 5 **A-G:** E

Description: Students will complete a mixture of work on the computer within the internet-based software Rosetta Stone, written work in the LEP, and an oral assessment with their assigned teacher. Rosetta Stone is an immersive and interactive learning system in which students are thrown into the world of language acquisition. The software includes lessons focusing on vocabulary, grammar, writing, listening, and speaking with the use of voice recognition software that evaluates pronunciation. The course is A-G approved and aligned with the California World Language Standards.

Spanish 3A/B (Apex)

Transcript Category: Foreign Language

Credits: 5 **A-G:** E

Description: Students will complete a mixture of work on the computer within the internet-based software Rosetta Stone, written work in the LEP, and an oral assessment with their assigned teacher. Rosetta Stone is an immersive and interactive learning system in which students are thrown into the world of language acquisition. The software includes lessons focusing on vocabulary, grammar, writing, listening, and speaking with the use of voice recognition software that evaluates pronunciation. The course is A-G approved and aligned with the California World Language Standards.