

General High School Course List MATHEMATICS

HS Course 900R1A-B: Career Mathematics

(2 Semesters, .10 credits)

This course is designed to help students develop appropriate consumer and career mathematical skills. Course content will cover such topics as review of basic operations, ratio, percent, equations, measurements, and many consumer topics. It will also include test-taking strategies.

HS Course 1000R1A: Personal Finance

(1 Semester, .5 credits)

Course focuses on practical application of business math skills used in real-life situations. First semester starts with a review of basic skills, then proceeds into income, checking and savings accounts, cash and credit card purchases, automobile and housing costs, insurance investments, and record keeping.

HS Course 1000R1B: Personal Finance

(1 Semester, .5 credits)

Second semester covers personnel, production, purchasing, sales & marketing, warehousing and distribution, services, accounting, financial management, and corporate planning.

HS Course 1100R1A: Basic Math for High School

(1 Semester, .5 credits)

This course functions as a refresher course of basic math and prepares the student for higher Math. It starts with basic operations and includes equations and calculator exercises.

HS Course 1100R1B: Basic Math for High School

(1 Semester, .5 credits)

In this semester, the student will learn converting metric, customary units, commissions, simple and compound interest.

HS Course 1250A: Accounting 1

(1 Semester, .5 credits)

Accounting 1 provides a general view of the accounting field. Practice is provided in recording business transactions in a variety of small business organization situations. Emphasis is placed on a single proprietorship.

HS Course 1250B: Accounting 2

(1 Semester, .5 credits)

Accounting 2 is practical application of the fundamental bookkeeping and accounting principles studied during the first semester. Practice is provided in keeping complete sets of books; journals, ledgers, worksheets, and financial statements are included.

Transactions using papers commonly found in business offices are recorded in practice sets. (The course covers control accounts and financial papers (work sheets, balance sheets, income statements).

\

HS Course 850A: Pre-Algebra

(1 Semester, .5 credits)

The first semester of this course teaches the properties of the real number system, operations with integers, and scientific notation. Students learn to set up word problems, and use formulas for finding areas and volumes of right solids.

HS Course 850B: Pre-Algebra

(1 Semester, .5 credits)

The second semester of this course continues with graphing in the x-y coordinate plane, polynomials, right triangles, and circles. Students learn about inequalities, ratios, rates, and percents. They will explore two-step problems, probability, and equation of a line.

HS Course 950A: Algebra I

(1 Semester, .5 credits)

The first semester of this course starts with exploring expressions, equations, functions, and rational numbers. Next is the study of solving linear equations, using proportional reasoning, graphing relations and functions. The course concludes with the analyzing of linear equations.

HS Course 950B: Algebra I

(1 Semester, .5 credits)

The second semester of this course continues the solving of linear equations, systems of linear equations, and inequalities. Students will analyze and solve linear equations. They will also solve systems of linear equations and inequalities. Students will explore polynomials, factoring, quadratic, and exponential functions. Students will learn both rational and radical expressions and equations.

HS Course 1050A: Geometry

(1 Semester, .5 credits)

The first semester of Geometry begins with the study of points, lines, planes, and angles. Next the student is challenged by the study of connecting reasoning and proofs. The use of perpendicular and parallel lines is the next area to be studied, followed by identifying and applying congruent triangles, and ending with the exploring of quadrilaterals.

HS Course 1050B: Geometry

(1 Semester, .5 credits)

The second semester of Geometry will start with the study of connecting proportion and similarity, followed by applying right triangles and trigonometry and analyzing circles. The study of polygons and finding the area of these polygons will be next. The course will conclude with the study of coordinate geometry and the investigation of loci and coordinate transformations

HS Course 1150A: Adv. Algebra II and Trig, Honors

(1 Semester, .5 credits)

Prerequisite: Algebra I

Students cover in-depth such concepts as equations, inequalities, functions, and systems. They practice word problems and dimensional analysis to prepare for scientific calculations. In addition, students understand rational expressions and multiple-degree equations.

HS Course 1150B: Adv. Algebra II and Trig, Honors

(1 Semester, .5 credits)

Prerequisite: Algebra I

The second semester completes the bridge to pre-calculus. Students learn to use vectors and complex numbers, as well as quadratic, conic, and logarithmic functions. They also find out about the matrix, the series, and a little bit of trigonometry, permutations and probability.

ENGLISH

HS Course 951A: Basic High School English I

(1 Semester, .5 credits)

This course acts as a transition from middle school to high school English. It reviews capitalization, punctuation, spelling, grammar, vocabulary, reading, test-taking skills, poetry, and dialogue. It also provides special focus on the influence of media, listening skills, and descriptive, analytical, and autobiographical writing. A book report will be written for this course.

HS Course 951B: Basic High School English I

(1 Semester, .5 credits)

This course is a continuation of course 950A. It reviews capitalization, punctuation, spelling, vocabulary, reading, word origins, changing poetry to prose, elements of plot, and grammar. Narrative and expository writing will also be stressed. A speech and a book report will be required in this course.

HS Course 1051A: English Literature

(1 Semester, .5 credits)

This course includes a comprehensive study of the major works of English writers from the 400s to the mid-1800s and focuses on literary analysis. Additionally students will be required to write essays on various topics weekly and complete vocabulary development assignments.

HS Course 1051B: English Literature

(1 Semester, .5 credits)

This is the second semester of the second course in high school literature required for college-bound students. It includes a comprehensive study of the major works of English writers from the mid-1800s to the present and focuses on literary analysis. Additionally students will be required to write essays on various topics weekly and complete vocabulary development assignments.

HS Course 1051B: English Literature

(1 Semester, .5 credits)

This is the second semester of the second course in high school literature required for college-bound students. It includes a comprehensive study of the major works of English writers from the mid-1800s to the present and focuses on literary analysis. Additionally students will be required to write essays on various topics weekly and complete vocabulary development assignments.

HS Course 1151A: American Literature

(1 Semester, .5 credits)

Students read and respond to major literary works of American writers in various genres from the 1500s through the early 1900s. The focus of this course is literary analysis. Additionally students will be required to write essays on various topics weekly and complete vocabulary development assignments.

HS Course 1151B: American Literature

Honors (1 Semester, .5 credits)

In the second semester of the first course in high school literature required for college-bound students, students read and respond to major literary works of American writers in various genres from the early 1900s to the present. The focus of this course is literary analysis. Additionally students will be required to write essays on various topics weekly and complete vocabulary development assignments.

HS Course 1251A & B: Senior Portfolio

(2 Semesters, .10 credits)

Students pursue a concentrated study of writing process, essay genres, research skills and correctness to demonstrate achievement on the skills required for high school graduation. Reading and writing activities are based on contemporary themes in literature and non-fiction selections to provide for an ever changing and highly motivational curriculum. Students learn to use technology to support production of text, correctness and research. Students submit a portfolio which will include a variety of essays as well as a Junior Thesis to demonstrate reading and writing competency. Additionally students will complete vocabulary development assignments.

SCIENCE**HS Course 952A: Physical Science**

(1 Semester, .5 credits)

This course is a study of physics including scientific methods, motion and forces, acceleration and momentum, energy, machines, waves and sound, light, mirrors and lenses, and electricity and magnetism.

HS Course 952 Physical Science

(1 Semester, .5 credits)

This course is study of chemistry topics such as elements, chemical bonds, solids, liquids, and gases, solutions, chemical reactions, acids, bases, and salts, and organic and biological compounds.

HS Course 1052A: Biology

(1 Semester, .5 credits)

This course is recommended for college-bound students. It is an in-depth study of high school biology. Assigned Lab Work is a required part of this course. By observing and experimenting with the things found in their everyday lives, this course makes biology real.

HS Course 1052B: Biology

(1 Semester, .5 credits)

A continuation of 10050A, this course is recommended for college-bound students. Assigned Lab Work is required for this course.

HS Course 1152A: Astronomy

(1 Semester, .5 credits)

This course is an introduction to the major planets and the smaller members of the Solar System such as moons, asteroids, Kuiper Belt Objects, and comets. Theories of the origin and histories of the planets are presented. The early history of astronomy and the Copernican Revolution are discussed. Sky phenomena such as the constellations, the seasons, eclipses, and planetary motions are demonstrated in the planetarium.

HS Course 1152B: Astronomy

(1 Semester, .5 credits)

This course is an introduction to the Universe and its history, from the Big Bang to the emergence of intelligent life on Earth. The course covers the Sun, its life history, and its influence on the Earth. The formation, evolution, and fates of different kinds of stars are examined. An overview of the Milky Way galaxy is presented, leading to a discussion of galaxy types, their clustering and evolution. The course concludes with an examination of cosmology, the study of the birth, structure, and evolution of the Universe as a whole. Included is a discussion of the possibility of and the search for extraterrestrial life.

HS Course 1252: Oceanography

(2 Semesters, .10 credits)

Students study the chemical and physical aspects of the ocean, ocean basins, waves and tides, physical and chemical properties of seawater, oceanic circulation, and ocean transportation. This course also helps to acquaint students with the occupational opportunities present in the marine sciences and related fields.

SOCIAL STUDIES and SOCIALSCIENCE

HS Course 953A: World History

(1 Semester, .5 credits)

The first civilizations of China, India, Mesopotamia, and Egypt affected all later civilizations. Eastern Europe was influenced by the Greeks, Western Europe by the Romans, and the Middle East and Africa by Islam.

HS Course 953B: World History

(1 Semester, .5 credits)

The first large civilizations in the Americas were the Aztecs and Incas, Islam moved into India, and the Renaissance and Scientific Revolution changed Europe. Nationalist revolutions and the Industrial Revolution caused a worldwide competition that resulted in two world wars.

HS Course 1153A: Contemporary American History

(1 Semester, .5 credits)

Manifest Destiny pushed the United States to the Pacific Ocean, heavy industry produced the first American millionaires, and World War I brought Americans together like never before. The Great Depression and the beginning of the welfare state followed the turbulent and fabulous Twenties.

HS Course 1153B: Contemporary American History

(1 Semester, .5 credits)

This course is a continuation of 1153A. The course follows the country's history from the 1930's onward. Contents include: The Great Depression, American involvement in World War II, the Cold War, Korea, Vietnam and the civil rights movement.

HS Course 1154A: Introduction to Sociology

(1 Semester, .5 credits)

This course is an introduction to the study of self, socialization, social interaction, interpersonal relations and the structure of social roles; deviance and normality in everyday life.

HS Course 1154B: Introduction to Sociology

(1 Semester, .5 credits)

This course cover the dynamics of the basic units of society, such as marriage and family groups, associations, bureaucracy, study of work, class and mobility, conflict and cooperation, crime, delinquency and social control.

HS Course 1253A: American Government

(1 Semester, .5 credits)

The United States became the first modern republic, a government by the people and not for a monarchy. A republican form of government is designed to keep people in charge, while limiting individual ambition in government with checks and balances.

HS Course 1253B: Economics

(1 Semester, .5 credits)

This course fully explains the United States' economic system in theory and in practice, in addition to other economic systems. Covered are capitalism, money, health care, poverty, the global economy, developing nations, and new challenges.

HS Course 1254: Psychology

(2 Semesters, .10 credits)

This course introduces the discipline of psychology through an examination of its history, methods, and approaches. Units of study include biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology.

GENERAL STUDIES

HS Course 1054: Health Education

(1 Semester, .5 credits)

This course is designed to assist students to obtain accurate information, develop lifelong positive attitudes and behaviors, and make wise decisions related to their personal health, consumer and community health, injury prevention and safety, alcohol, tobacco, and other drugs, nutrition, environmental health, individual growth and development, family living, and communicable and chronic diseases. Central themes are the acceptance of personal responsibility for lifelong health, respect for and promotion of the health of others, an understanding of the growth and development, an informed use of health-related information, products, and services.

HS Course 1055: Driver Education

(1 Semester, .5 credits)

This course in driver education is designed to give students a knowledge of the vehicle code of California and of the other laws relating to the operation of motor vehicles. The course stresses positive attitudes, observation skills, and defensive driving habits contributing to traffic and pedestrian safety. The problem of drunk driving as the major cause of traffic fatalities is also stressed. Upon successful completion of the course, students are issued a Certificate of Completion of Driver Education, which is required for licensing prior to age 18.

ACADEMIC ELECTIVES

HS Course 1353: Business Law

(2 Semesters, .10 credits)

This course emphasizes the importance of business law in everyday life and provides practical guidelines for becoming effective citizens and consumers. Content covers contracts, sale of property, employment, risk management, and obtaining legal services.

HS Course 1350A Keyboarding

(1 Semester, .5 credits)

This course uses the touch system to develop effective key stroking skills for use with the electric typewriter or computer keyboard. In addition to memorizing the keyboard, students will learn how to format announcements, invitations, and short reports.

HS Course 1350B: Keyboarding

(1 Semester, .5 credits)

Students will master the keyboard with error-free typing. They will also learn how to format multiple page reports, personal business letters and envelopes, employment documents, business letters, and interoffice memorandums.

HS Course 1351A: Spanish I

(1 Semester, .5 credits)

This course is recommended for college-bound students. Students are introduced to the language. Areas covered are the alphabet, verb conjugation in present tense, vocabulary including months of the year, days of the week, names, family members, colors, numbers, and parts of speech such as definite articles, adjectives, and direct and indirect pronouns. Cultural and historical aspects are explored.

HS Course 1351B: Spanish I

(1 Semester, .5 credits)

This course is recommended for college-bound students. This course teaches language acquisition through an immersion approach, which includes fundamentals of grammar, reading comprehension, vocabulary, pronunciation, and culture.

HS Course 1352A: Spanish II

(1 Semester, .5 credits)

Prerequisite: Course 1351 A&B

This course is designed for those students who wish to continue on in the study of Spanish. More vocabulary and verb tenses are introduced to enable the student to write complete sentences in varying tones and verb tense. Vocabulary includes sports, directions, and parts of the home, the weather, and more. Parts of speech are studied in depth. Grammar is balanced with more information on history, art, and culture as it relates to Spain and Latin America. By exposure to different accents, students learn that Spanish varies in spoken form throughout the world.

HS Course 1352B: Spanish II

(1 Semester, .5 credits)

Prerequisite: Course 1351 A&B and 1352A

This course is an expansion of concepts learned in 1351A&B and 1352A. Language acquisition is taught through an immersion approach. This course includes the fundamentals of grammar, reading comprehension, vocabulary, pronunciation, and culture.

HS Course 1353: Physical Education

(2 Semester, .10 credits)

In this course students will be empowered to make choices, meet challenges and develop positive behaviors in fitness, wellness and movement activity for a lifetime. Emphasis is placed on students developing a personalized fitness program for a healthy life-style.

Additional Enrichment Courses are available upon request.