

Quba Islamic School

High School Course Offerings with Full Descriptions

High School Course Graduation Requirements in CA: 13 minimum courses.

QIS High School Course Graduation Requirements:

Subject Area	Graduation Requirements	Total Credits	CSU/UC Admission Requirements
Social Sciences	3 years	30	2 years
English	4 years	40	4 years
Math	3 years	30	3 years (UC recommends 4)
Science	3 years with labs	30	2 years - must be lab classes (UC recommends 3)
World Languages	2 years	20	2 years (UC recommends 3)
Electives	7 electives	70	
Community Service	QIS requirement	40	
	Total	260	

English (b)

English I a-g approved Full year (10 credits)

In this course, the emphases are on components of standard paragraphs, thesis statements, essay writing and evaluation, and interpretations of selected fiction and nonfiction readings that cross curriculum. Exercises in vocabulary and writing mechanics explore figurative and descriptive language. The student develops grade level expository and descriptive essays.

English II a-g approved Full year (10 credits)

This course is a research based writing and critical analysis of literature through essay writing and various short answers. Students will gain a full range of English skills, competent writing and reading, mechanics of language, vocabulary development, analysis and reasoning skills, research techniques, correct grammar, punctuation and spelling.

American Literature a-g approved Full year (10 credits)*

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This course helps students become skilled readers of American Literature from a variety of periods, disciplines, and rhetorical context, to become skilled writers who can compose for a variety of purposes. Students gain a general understanding of American Literature from its earliest beginnings through the modern era and are familiar with the literary development, themes, and styles of American authors. Also covered is how the conventions and resources of language contribute to effectiveness in writing.

British Literature a-g approved Full year (10 credits)*

This course will include British literature in which students will study the early forms of written English and the British tradition in literature. Students will critically read and evaluate various forms and types of texts including novels, poetry, informational texts and visual texts., writing various research papers, reports, essays, analysis and journal entries. Students will write with standard English convention, appropriate manuscript requirements, including integration of source, support and citations using clear research and an understanding of the elements of discourse. Students will display reading comprehension, enhance their vocabulary development.

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Math (c)

Algebra I a-g approved Full year (10 credits)

Major areas covered: equations, powers and exponents, inequalities, functions, domain and range of functions, variation, discriminant, factors, quadratics, proportion, formulae, radicals, ratios, rational and irrational numbers, and slope-intercept equations of lines.

Geometry a-g approved Full year (10 credits)

Major areas covered include: inductive reasoning; deductive reasoning (proofs); constructions; parallel and perpendicular lines; and properties of triangles and quadrilaterals, as well as transformations, similarity, basic trigonometry, circles, area, and volume.

Algebra II a-g approved Full year (10 credits)

Major areas covered include: equations; powers; exponents; inequalities; functions; domain and range of functions; matrices; probability; variation; discriminant; factors; quadratics; proportions; formulae; radicals; ratios; rational and irrational numbers; and slope-intercept equations. Students will also work with logarithms, conic sections, permutations, induction, series, and the summation formulae.

Pre-Calculus and Trigonometry a-g approved Full year (10 credits)*

This course is designed to integrate the subject matter of trigonometry and third-year algebra. A unified approach to precalculus covers the major topics of advanced algebra including: higher order polynomials, advanced graphic techniques, inequalities, exponential and logarithmic functions, matrix and vector analysis, polar coordinates and complex numbers, and conic sections. Topics of trigonometry will include trigonometric functions and their inverses, graphs of these functions, trigonometric identities and equations, and applications of trigonometry. In addition, students will learn basic probability and statistics.

Calculus a-g approved Full year (10 credits)*

In this course the student will examine limits and continuity, derivatives and their application, definite integrals and their application, differential equations and mathematical modeling, sequences, L'Hopital's Rule, improper integrals, infinite series, as well as parametric, vector, and polar functions.

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Social Sciences (a)

US History a-g approved Full year (10 credits)

This course covers major turning points in American history in the 20th century. Students review the nation's beginnings, study industrialization pertaining to emergence/impact of new technology & a corporate economy, learn about the social/cultural effects. Changing ethnic composition of American society; the movement toward equal rights for minorities/women; and the role of the U.S. as a major world power will be covered.

World History and Geography a-g approved Full year (10 credits)

The study of this course covers the major turning points from the late 18th century through present day. It includes the cause, effect, and course of two world wars, the rise of democratic ideas, the historical roots of current world issues, and considers multiple accounts of events of international relations from various perspectives. There is also a geography/map component to this course.

US Government and Politics* a-g approved 1 Semester (5 credits)

Students will pursue an understanding of the American government, compare systems of government in the world today, analyze history and changing interpretations of the Constitution, Bill of Rights and historical documents such as the Federalist Papers. Students will analyze relationships among federal, state and local governments and the current state of the legislative, executive, and judiciary branches of government.

Economics* a-g approved 1 Semester (5 credits)

This economics course covers the concepts of scarcity, choices, opportunity costs, the American enterprise system, world economy, supply and demand and the roles of business, labor, the consumer and government. It also covers the role of money and the banking system, economic growth/performance, monetary and fiscal policy and how nations trade.

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Science (d)

Biology w/lab a-g approved Full year (10 credits)

In this course students will examine the basic principles and concepts of living things. Areas covered: the structure of cells, cell processes and reproduction, genetics and heredity, evolution, ecology, ecosystems and resources, and how humans impact the world around them.

Chemistry w/lab a-g approved Full year (10 credits)

From the basics of atomic structure to a deeper understanding of the matter-energy relationships associated with a wide range of physical and chemical changes, students will use many tools to gain an understanding of the chemical world. An inquiry-based course in which laboratory work, observational skills, critical thinking, the writing of arguments related to specific chemistry content, and clearly-written explanations of technical processes and experiments are developed and honed by building an excellent foundation for further science exploration.

Physics w/lab a-g approved (recommended with Algebra II) Full year (10 credits)*

Students will study conceptual and mathematical representation of physics including: motion and forces, matter and energy, heat and thermodynamics, sound and light waves, electricity and magnetism, and modern physics. The course is laboratory supported with emphasis placed upon discovery and understanding. Students will observe, test and apply physical principles, develop skills for using scientific tools, use mathematical calculations for measuring, collecting, interpreting and analyzing data.

Foreign Languages (e)

Arabic I, Arabic II (prerequisite Arabic I), Arabic III (prerequisites Arabic I & II) a-g approved
Full year (10 credits)

This course provides students with communication experience: speaking, reading and writing in Arabic. They also become familiar with culture, geography and customs.

Spanish I, Spanish II (prerequisite Spanish I), Spanish III (prerequisite Spanish I & II) a-g approved
Full year (10 credits)

This course provides students with communication experience: speaking, reading and writing in Spanish. They also become familiar with culture, geography and customs.

Islam

Islamic Studies - Islam and Family

Project-based learning is used extensively at this stage. The teacher here is more of a facilitator of knowledge. Students feel more responsible for their learning which gives them a sense of gratification and confidence. The teacher presents and explains new material and conducts class discussions. She supervises study activities and varied learning experiences such as group work, role play, debates, simulations, moral dilemmas, guest speakers, open forums, field trips, YouTube videos, documentary critiques, reports on conventions/ current issues, and journals.

Islamic Studies - Islam and Science

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Islamic Studies - Islam and Management

Comparative World Religions a-g approved Full year (10 credits)

Quran

ELECTIVES (f)

Art Full Year (10 credits)

Students will explore various media and learn basic terms, techniques and styles of expression. The Five Basic Perceptual Skills of Drawing are emphasized. The students will complete numerous projects using techniques introduced during class meetings.

Art Exploration a-g approved Full year (10 credits)

Students learn basic terms, and explore different media and styles of expression. Students create a variety of projects and research artists from different art periods. A visit to an art museum concludes the course requirements.

Physical Education Full year (10 credits)

Health and Wellness Full year (10 credits)

Yearbook Full Year (10 credits)

Students participate in all the decisions made for the yearbook to determine content, layout, themes, and the cover of the yearbook.

Creative Writing

Intro to Psychology

Public Speaking

Co-curricular

Science Competitions

Spelling Bees

Leadership

Student Clubs

Students lead, or start, and participate in student clubs. Clubs engage in a variety of activities based on the subject area, including homeless feeding, blood drives, cooking and baking, mental health support, and more.

Sports

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Community Service

QIS high school students are required to complete a minimum of 80 hours of community service throughout their high school years. Each year, your student should complete 20 hours of service.