



## ACADEMIC PROGRAM COURSES

Classes with an asterisk (\*) may be offered with the option of earning a semester of credit during a double period of instruction.

### ENGLISH

**7th Grade English:** Through reading, discussion, and writing, students acquire essential English skills. The course also focuses on grammar basics.

**8th Grade English:** Students further develop skills in composition, grammar, and vocabulary while polishing skills in sentence structure, paragraph building, and literary analysis.

**9th Grade English (\*) 1st or 2nd Semester:** Develops further skills in reading comprehension and refines skills in writing based on the usage of essential English grammar. While some writing assignments will call for analysis of literature, attention is also given to more general expository writing.

**10th Grade English (\*) 1st or 2nd Semester:** Aims at strengthening each student's ability to read and analyze literature and to write in a clear and grammatically correct fashion. The literature includes short stories, poetry, and novels.

**Creative Writing:** Focuses on autobiography, poetry, short story reading, and writing workshops. Students will complete a writer's notebook and portfolio.

**Essay and Study Skills:** Hands-on seminars developing the organizational, note-taking, time management, problem solving, reading comprehension, computer skills and library research skills necessary to meet the needs of all learning styles.

### ENGLISH AS A SECOND LANGUAGE

**Beginning:** Provides intensive language acquisition training as well as both oral and aural training in English through the study of vocabulary, writing skills, and essential English conversation.

**Intermediate:** Continues to develop listening, speaking, pronunciation, basic vocabulary knowledge, reading and writing skills, and English grammar/idioms.

### SCIENCE

**General Science (Grades 7-9):** Introduces students to a variety of themes such as chemicals, the environment, and introductory biology through hands-on lab work.

**Biology I (\*) 1st or 2nd Semester:** An in-depth survey of the properties of living organisms, cellular and molecular structure, classification, microbiology, plants, invertebrate, and human biology.

**Oceanography:** Students study the physical and biological aspects of the ocean environment. Hands-on lab work is an integral part of the course.

## SOCIAL SCIENCES

**World History/Cultures (\*) 1st or 2nd Semester:** Examines the patterns of relationships and processes of both historical and cultural change across the world from prehistory to the present. Emphasis is placed on the different styles of civilization and the effects of cultural contrast and diffusion.

**United States History:** Surveys the political, economic, and cultural aspects of America's past from colonial times to present. Written articulation of understanding is emphasized.

## MATHEMATICS

**Basic Math Skills:** Develops mastery of mathematical concepts and manipulation needed for the pre-algebra curriculum. Concepts include fractions, decimals, ratios, percents, and problem solving.

**Pre-Algebra:** Includes the study of decimal notation, large and small numbers, measurement, use of variables, operations and measurement formulas, real numbers, and simple equations.

**Algebra I (\*) 1st or 2nd Semester:** Reinforces skills developed in pre-algebra. Introduces positive and negative numbers, algebraic expression manipulation, quadratic linear functions, graphing of equations, and functional notation.

**Algebra II (\*) 1st or 2nd Semester:** Reinforces concepts of Algebra I and geometry. Other content includes linear relationships, matrices, logarithms, trigonometry, functions and basic statistics. Scientific calculators are used.

**Geometry (\*) 1st or 2nd Semester:** Covers points, lines, angles, polygons, reflections, congruence, similarity, circles, if-then statements, proofs, three dimensional figures, areas and volumes.

## LANGUAGES

**Introduction to Spanish:** Designed for the student with little or no experience in Spanish who intends to pursue Spanish at the secondary level. Emphasizes the basics of listening, reading, writing, and speaking.

**Spanish I (\*) 1st or 2nd Semester:** Designed for students who are not new to the language but could benefit from enhancing the basic concepts of Spanish grammar, listening, and conversational skills.

## ELECTIVES

**Art:** Practice and study the history of drawing, sketching, watercolors, oil, sculpture, and mixed media.

**Computer/ Internet Exploration:** Introduces the student to the keyboard, commands, typing skills, graphics, database, and spreadsheets. Students will complete a term project. Basic and intermediate levels offered.

**Drama:** Focuses on both the genres and history of dramatic works as well as stage instructions, theater workshops and production. Students will adapt and perform a screenplay.

**Media Arts:** Encourages self-expression in the student's writing through a variety of media. The students write and produce an Academy newsletter and will learn radio broadcasting through the Academy's live radio station, KANA 1690.

**Introduction to Photography:** Hands-on class exploring self-expression and creativity. Students develop techniques for shooting, developing, and printing black/white and color photographs. Students must bring their own 35mm camera. Film will be provided. A \$50 developing and processing fee will be required at the time of registration for this class.

**Beginner Piano:** The course is available as an introduction for beginners. Chords, scales and novice note reading will be covered during the five-week time span. Students are taught basic pieces using the music lab equipment.