



Bellaire Learning Center
Bellaire@SpiderSmart.com
9730 Town Park Dr. STE #108
(832) 964-5980

Memorial Learning Center
Memorial@SpiderSmart.com
10321 Katy Freeway Suite E2
(713) 465-7890

Course Description

Algebra I

The course will follow the Texas Algebra I TEKS blueprint. Students will study linear, quadratic, and exponential functions along with their graphs, transformations, and how to solve their related equations and inequalities. In addition, students will learn to set-up and solve 2 x 2 systems of linear equations using various methods and apply them to real-world problems. Other topics along the way include, polynomial expressions, radical expressions, laws of exponents, and arithmetic/geometric sequences. This course will help students get ready for the CBE test.

Geometry

The course will follow Texas state Geometry blueprint. Within this course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability.

Algebra 2

This course will guide students through among other things linear equations, inequalities, graphs, matrices, polynomials and radical expressions, quadratic equations, functions, exponential and logarithmic expressions, sequences and series, probability and trigonometry. Students will do daily problem solving, including SAT prep questions.

Precalculus

Precalculus is the preparation for Calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-Calculus deepens a student's mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. This Course will cover all content described in the Precalculus TEKS, and additional topics as determined by the instructor and allowed by time constraints. The four major themes of the course will be Trigonometry, Advanced Algebra, Limits, and Logical Reasoning. There will be an emphasis on rigorous proof, and problem-solving skills.