

Course Description

MATH: Geometry CR

COURSE DESCRIPTION: This is comprehensive course featuring geometric terms and processes, logic and problem solving. Includes topics such as parallel line and planes, congruent triangles, inequalities and quadrilaterals. Various forms of proof are studied. Emphasis is placed upon reasoning and problem solving skills gained through study of similarity, areas, volumes, circles, and coordinate geometry.

This course has been specifically built with the credit recovery student in mind. The course content has been appropriately chunked into smaller topics to increase retention and expand opportunities for assessment. With each topic, diagnostic quizzes are presented to the student, allowing students to pass through areas of content that they have previously studied successfully. Post-topic quizzes are presented with each topic of content. Audio readings are included with every portion of content, allowing auditory learners the opportunity to engage with the course. Test pools and randomized test questions are utilized in pre- and post-topic quizzes as well as unit exams, ensuring that students taking the course will not be presented with the same exams.

The ELL version of the course includes additional practice activities (such as cloze activities), as well as pre-topic vocabulary lists, that introduce key vocabulary in English and in Spanish.

PREREQUISITES: Algebra I

COURSE LENGTH: Two Semesters or Block

REQUIRED TEXT: None

COURSE OUTLINE:

Semester I

1. The Language of Geometry
2. Reasoning and Introduction to Proof
3. Parallels
4. Congruent Triangles
5. Applying Congruent Triangles

Semester II

1. Quadrilaterals
2. Similarity
3. Right Triangles and Trigonometry
4. Circles
5. Polygons and Area