UNIT OF STUDY

Title: Unit 7 weeks	Subject/Course: SC Math	Length: 2
Topic: Triangles	Grade: 9-12	Designer: D. Rye

UNIT GOALS AND EXPECTATIONS

IMPORTANT CONCEPTS/UNDERSTANDINGS	ESSENTIAL QUESTIONS:
- Use the Pythagorean Theorem. - Solve radical equations. - Solve problems by identifying right angles. - Identify the sides and angles of a right triangle.	- What is the Pythagorean Theorem ? - How do you determine the sides and angles of a right triangle? - What is a radical? - What is an irrational number?
STUDENT LEARNING EXPECTATIONS: T.2G.4 Apply the Pythagorean Theorem and its converse in solving practical problems.	
SPECIFIC DECLARATIVE KNOWLEDGE – What I know - Vocabulary words: radical, irrational number, radical equation, right triangle, hypotenuse, Pythagorean Theorem, Distance Formula. - Identify right angles. - Define the Pythagorean Theorem. - Identify irrational numbers. - Define hypotenuse.	**SPECIFIC PROCEDURAL KNOWLEDGE – What I need to do** - Determine the formula for the Pythagorean Theorem. - Describe in words a Pythagorean triple. - Apply concepts and skills to finding distance in the coordinate plane.

UNIT ASSESSMENTS
(Include tasks related to Dimensions 3 and 4 and Bloom's Taxonomy)

Unit 7 Open Response (application)

Traditional Assessments:	Other Evidence of Learning:
- Unit 7 Test - Unit 7 Quiz	- Classroom - Teacher Observation

ACTIVITIES AND LEARNING EXPERIENCES	Resources
4 Step Vocabulary - Model Pythagorean Theorem on board. - Games www.mathplaygroud.com . - Guided practice. - Student lead board work.	- Calculator - Activity worksheets - Portfolio workbook
Career Connections	
Builder, Architect	