Topic: Grade:

Unit 2

Math 2

Right Triangle Trigonometry

Student Learning Map

Key Learning(s): Unit Essential Question(s):

**Optional Instructional Tools:**

What are the applications of special right triangles?

What are the trigonometric ratios?

How do trigonometric ratios apply to right

triangles and the real world?

Apply and Identify Special Right Triangles

Apply and Discover Trigonometric Ratios

|  |  |  |
| --- | --- | --- |
| Concept : | Concept: | Concept: |
| Special Triangles | Trigonometric Ratios | Applications |
| Lesson Essential Question(s):How do you identify and use special right triangles? | Lesson Essential Question(s):How do you apply sine, cosine, and tangent ratios to right triangles?How do I explain the relationship of the trigonometric ratios for similar triangles? | Lesson Essential Question(s):How do you solve application problems using the trigonometric ratios? |
| Vocabulary:$$45°-45°-90° Triangle Theorem$$$$30°-60°-90° Trianlge Theorem$$ | Vocabulary:$$Trigonometry$$$$Trigonometric Ratio$$$$Sine, Cosine, Tangent$$$$Complementary angles$$ | Vocabulary:Inverse Trigonometric Ratios  |