# CAR Unit Template

## Unit Title: Geometry – Similarity and Dilations – Unit 2 – Module C

**Grade level:**

**Timeframe:**

## Essential Questions

## Standards

### Standards (Taught and Assessed):

**G.SRT.C.6** Understand that by similarity, side ratios in right triangles are properties of the angles in the triangle, leading to definitions of trigonometric ratios for acute angles.

**G.SRT.C.7** Explain and use the relationship between the sine and cosine of complementary angles.

**G.SRT.C.8** Use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems.★ (modeling standard)

**Key**: Major Cluster Supporting Cluster Additional Cluster

### Highlighted Career Ready Practices and 21st Century Themes/Skills

### Social-Emotional Learning Competencies

## Instructional Plan

Pre-Assessment and Reflection

| **Pre-Assessment** | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
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Student Learning Objectives (SLO), Strategies, Formative Assessment, Activities and Resources (add rows as needed)

| **SLO – WALT****We are learning to/that** | **Student Strategies** | **Formative Assessment** | **Activities and Resources** | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
| --- | --- | --- | --- | --- |
| **G.SRT.C.6-** **WALT** similarity in right triangles leads to proportional relationships which produce the trigonometric ratios for the acute angles in the right triangle |  |  |  |  |
| **G.SRT.C.6** **- WALT** side ratios in right triangles are properties of the angles in the triangle as a result of properties of triangle similarity |  |  |  |  |
| **G.SRT.C.6** **- WALT** define trigonometric ratios for acute angles |  |  |  |  |
| **G.SRT.C.7** – **WALT** explain and use the relationship between the sine and cosine of complementary angles |  |  |  |  |
| **G.SRT.C.8** - **WALT**  use trigonometric ratios to solve right triangles in applied problems |  |  |  |  |
| **G.SRT.C.8** - **WALT** use Pythagorean Theorem to solve right triangles in applied problems |  |  |  |  |

Benchmark Assessment 1

| **Benchmark Assessment** | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections**  |
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Benchmark Assessment 2

| **Benchmark Assessment**  | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
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Summative Assessments (add rows as needed)

| **Summative Assessment**  | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
| --- | --- |
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Interdisciplinary Connections

| **Interdisciplinary Connections** | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
| --- | --- |
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