# CAR Unit Template

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

**Grade level:**

**Timeframe:**

## Essential Questions

## Standards

### Standards (Taught and Assessed):

**G.SRT.A.1** Verify experimentally the properties of dilations given by a center and a scale factor:

a. A dilation takes a line not passing through the center of the dilation to a parallel line, and leaves a line passing through the center unchanged.

b. The dilation of a line segment is longer or shorter in the ratio given by the scale factor.

**G.CO.A.2** Represent transformations in the plane using, e.g., transparencies and geometry software; describe transformations as functions that

take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not

(e.g., translation versus horizontal stretch).

**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.A.1** – **WALT** verify experimentally, given a center and scale factor, that the dilation of a line segment is longer or shorter in the ratio given by the scale factor |  |  |  |  |
| **G.SRT.A.1** – **WALT** verify experimentally, given a center and scale factor, that a dilation leaves a line passing through the center of the dilation unchanged |  |  |  |  |
| **G.SRT.A.1** – **WALT** verify experimentally, given a center and scale factor, that a dilation takes a line not passing through the center of the dilation to a parallel line |  |  |  |  |
| **G.SRT.A.1** – **WALT** represent dilations in the plane using transparencies and geometry software |  |  |  |  |
| **G.CO.A.2- WALT** compare transformations, including dilations, that preserve distance and angle to those that do not |  |  |  |  |

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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