# CAR Unit Template

## Unit Title: Geometry – Circles and Geometric Measurement – Unit 4 – Module A

**Grade level:**

**Timeframe:**

## Essential Questions

## Standards

### Standards (Taught and Assessed):

**G.C.A.1** Prove that all circles are similar.

**G.C.A.2** Identify and describe relationships among inscribed angles, radii, and chords. Include the relationship between central, inscribed, and circumscribed angles; inscribed angles on a diameter are right angles; the radius of a circle is perpendicular to the tangent where the radius intersects the circle.

**G.C.B.5** Derive using similarity the fact that the length of the arc intercepted by an angle is proportional to the radius, and define the radian measure of the angle as the constant of proportionality; derive the formula for the area of a sector.

**G.C.A.3** Construct the inscribed and circumscribed circles of a triangle, and prove properties of angles for a quadrilateral inscribed in a circle.

**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** |
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| **G.C.A.1 - WALT** prove that all circles are similar |  |  |  |  |
| **G.C.A.2 - WALT** identify and describe relationships among inscribed angles, radii, and chords |  |  |  |  |
| **G.C.A.2 - WALT** identify and describe relationships among inscribed angles, central angles, and circumscribed angles |  |  |  |  |
| **G.C.A.2 - WALT** the radius of a circle is perpendicular to the tangent where the radius intersects the circle |  |  |  |  |
| **G.C.A.2 - WALT** inscribed angles on a diameter are right angles |  |  |  |  |
| **G.C.B.5 - WALT** use similarity to derive the fact that the length of the arc intercepted by an angle is proportional to the radius of a circle |  |  |  |  |
| **G.C.B.5 - WALT** define the radian measure of an angle as the constant of proportionality between the length of the arc intercepted by an angle and the radius of a circle |  |  |  |  |
| **G.C.B.5 - WALT** derive the formula for the area of a sector |  |  |  |  |
| **G.C.A.3 - WALT** construct the inscribed and circumscribed circles of a triangle |  |  |  |  |
| **G.C.A.3 - WALT** prove properties of angles for a quadrilateral inscribed in a circle |  |  |  |  |

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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