# CAR Unit Template

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

**Grade level:**

**Timeframe:**

## Essential Questions

## Standards

### Standards (Taught and Assessed):

**G.GMD.A.1** Give an informal argument for the formulas for the circumference of a circle, area of a circle, volume of a cylinder, pyramid, and cone. Use dissection arguments, Cavalieri’s principle, and informal limit arguments.

**G.GMD.A.3** Use volume formulas for cylinders, pyramids, cones, and spheres to solve problems.★ (modeling standard)

**G.GMD.B.4** Identify the shapes of two-dimensional cross-sections of three-dimensional objects, and identify three-dimensional objects generated by rotations of two-dimensional objects.

**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.GMD.A.1 - WALT** give an informal argument for the formulas for the circumference of a circle and for the area of a circle, using dissection arguments, Cavalieri’s principle, and informal limit arguments |  |  |  |  |
| **G.GMD.A.1 - WALT** give an informal argument for the formula for the volume of a cylinder, pyramid, and cone using dissection arguments, Cavalieri’s principle, and informal limit arguments |  |  |  |  |
| **G.GMD.A.3 - WALT** use volume formulas for cylinders, pyramids, cones, and spheres to solve problems |  |  |  |  |
| **G.GMD.B.4 - WALT** identify three-dimensional objects generated by rotations of two-dimensional objects |  |  |  |  |
| **G.GMD.B.4 - WALT** identify the shapes of two-dimensional cross-sections of three-dimensional objects |  |  |  |  |

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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