# CAR Unit Template

## Unit Title: Mathematics Proportionality and Three-Dimensional Geometric Concepts – Unit 3 – Module A

**Grade level: Grade 7**

**Timeframe:**

## Essential Questions

## Standards

### Standards (Taught and Assessed):

**7.RP.A.1** Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units. *For example, if a person walks* ½ *mile in each* ¼ *hour, compute the unit rate as the complex fraction* ½*/*¼ *miles per hour, equivalently 2* *miles per hour.*

**7.RP.A.2** Recognize and represent proportional relationships between quantities.

a. Decide whether two quantities are in a proportional relationship, e.g., by testing for equivalent ratios in a table or graphing on a coordinate plane and observing whether the graph is a straight line through the origin.

b. Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships.

**7.G.A.1** Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale.

**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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| **7.RP.A.1 – WALT** compute unit rates involving ratios of fractions (complex fractions) in quantities measured in like or different unit |  |  |  |  |
| **7.RP.A.2 – WALT** decide whether two quantities show a proportional relationship by testing for equivalent ratios in a table |  |  |  |  |
| **7.RP.A.2 – WALT** decide whether two quantities show a proportional relationship by graphing on a coordinate plane and observing whether the graph is a straight line through the origin |  |  |  |  |
| **7.RP.A.2 – WALT** identify the constant of proportionality (unit rate) in equations and verbal descriptions of proportional relationships |  |  |  |  |
| **7.RP.A.1 – WALT** identify the constant of proportionality (unit rate) in tables, graphs, and diagrams |  |  |  |  |
| **7.G.A.1 – WALT** solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale |  |  |  |  |

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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