# CAR Unit Template

## Unit Title: Mathematics – Expressions, Equations, and Geometry – Unit 3 – Module C

**Grade level: Grade 6**

**Timeframe:**

## Essential Questions

## Standards

### Standards (Taught and Assessed):

 **6.G.A.1** Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

 **6.G.A.4** Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these

figures. Apply these techniques in the context of solving real-world and mathematical problems.

 **6.G.A.2** Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas *V* = *l w h* and *V* = *B h* to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.

**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** |
| --- | --- | --- | --- | --- |
| **6.G.A.1 – WALT** find the area of right triangles and other triangles by composing into rectangles |  |  |  |  |
| **6.G.A.1 – WALT** find the area of special quadrilaterals and polygons by composing into rectangles or decomposing into triangles and other shapes |  |  |  |  |
| **6.G.A.1 – WALT** apply the techniques of finding area of polygons by composition or decomposition to solve real-world and mathematical problems |  |  |  |  |
| **6.G.A.4 – WALT** represent three-dimensional figures made up of rectangles and triangles by using nets |  |  |  |  |
| **6.G.A.4 – WALT** use the net to find the surface area of three-dimensional figures made up of rectangles and triangles |  |  |  |  |
| **6.G.A.4 – WALT** solve real-world and mathematical problems by using nets to find surface area applying net surface area techniques |  |  |  |  |
| **6.G.A.2 – WALT** we can find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes |  |  |  |  |
| **6.G.A.2 – WALT** show that volume of a right rectangular prism is the same when multiplying edge lengths or packing it with unit cubes |  |  |  |  |
| **6.G.A.2 – WALT** find volumes of right rectangular prisms with fractional edge lengths applying the volume formulas *V* = *l w h* and *V = B h* in real-world or mathematical 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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