# CAR Unit Template

## Unit Title: Mathematics – Linear Relationships and Functions – Unit 3 – Module A

**Grade level: Grade 8**

**Timeframe:**

## Essential Questions

## Standards

### Standards (Taught and Assessed):

**8.F.A.1** Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

**8.F.B.5** Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.

**8.F.A.3** Interpret the equation *y* = *mx* + *b* as defining a linear function, whose graph is a straight line; give examples of functions that are not linear. *For example, the function A = s² giving the area of a square as a function of its side length is not linear because its graph contains the points (1,1), (2,4) and (3,9), which are not on a straight line.*

**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** |
| --- | --- | --- | --- | --- |
| **8.F.A.1 – WALT** a function is a rule that assigns to each input exactly one output |  |  |  |  |
| **8.F.A.1 – WALT** the graph of a function is the set of ordered pairs consisting of an input and the corresponding output |  |  |  |  |
| **8.F.B.3 – WALT** describe qualitatively the functional relationships between two quantities by analyzing a graph |  |  |  |  |
| **8.F.B.5 – WALT** sketch a graph that exhibits the qualitative features of a function given a verbal description |  |  |  |  |
| **8.F.A.3 – WALT** the equation *y* = *mx* + *b* defines a linear function |  |  |  |  |
| **8.F.A.3 – WALT** interpret a set of points forming a straight line as the graph of a linear function |  |  |  |  |
| **8.F.A.3 – WALT** graph linear equations |  |  |  |  |
| **8.F.A.3 – WALT** give examples of nonlinear functions |  |  |  |  |

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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