# CAR Unit Template

## Unit Title: Algebra 1 – Modeling with Linear Equations and Inequalities – Unit 1 - Module C

**Grade level:**

**Timeframe:**

## Essential Questions

## Standards

### Standards (Taught and Assessed):

**A.CED.A.3** Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or nonviable options in a modeling context. *For example, represent inequalities describing nutritional and cost constraints on combinations of different foods.*

**A.REI.C.6** Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.

**A.REI.C.5** Prove that, given a system of two equations in two variables, replacing one equation by the sum of that equation and a multiple of the

other produces a system with the same solutions.

**A.REI.D.12** Graph the solutions to a linear inequality in two variables as a half plane (excluding the boundary in the case of a strict inequality),

and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.

**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** |
| --- | --- |
|  |  |

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** |
| --- | --- | --- | --- | --- |
| **A.CED.A.3. - WALT** represent constraints by a system of equations in the modeling context |  |  |  |  |
| **A.REI.C.6. WALT** solve a system of linear equations in two variables exactly and approximately |  |  |  |  |
| **A.CED.A.3. - WALT** interpret possible solutions as viable or nonviable in the modeling context |  |  |  |  |
| **A.REI.C.5. - WALT** transform a system of two equations in two variables into simpler forms that produce a system with the same solutions |  |  |  |  |
| **A.REI.C.5. - WALT** prove that through elimination. the transformed system will produce the same solution as the original system |  |  |  |  |
| **A.REI.D.12. - WALT** graph a system of inequalities in two variables |  |  |  |  |
| **A.REI.D.12 - WALT** graph the solution set to a system of linear inequalities as the intersection of two shaded regions |  |  |  |  |
| **A.REI.D.12 – WALT** interpret possible solutions as viable or nonviable in the modeling context |  |  |  |  |

Benchmark Assessment 1

| **Benchmark Assessment** | **Modifications (ELL, Special Education, Gifted, At-risk of Failure, 504) and Reflections** |
| --- | --- |
|  |  |

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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