Unit 07: A1 - Ch. 6 - Systems of Equations and Inequalities

Content Area: **Math**
Course(s): **Algebra1 CP, Algebra 1A, Algebra 1H**
Time Period: **Marking Period 2**
Length: **13 Days**
Status: **Published**

Unit Introduction

Standards

MA.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.
MA.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.

Essential Questions

- Can a system of equations model real-world situations?

- How can you solve a system of equations or inequalities?

Content

- 6-1 Solving Systems by Graphing (1 Day)

- 6-2 Solving Systems by Substitution (2 Days)

- 6-3 Solving Systems by Elimination (2 Days)

- 6-4 Application of Linear Systems (3 Days)

- 6-5 Linear Inequalities (1 Day)

- 6-6 Systems of Linear Inequalities (1 Day)

Skills

- Application problems using systems of equations

- Solve system of Inequalities

- Solving a linear system by elimination

- Solving a linear system by graphing

- Solving linear system by substitution

- Use graphing calculators and technology where appropriate
- Use relevant vocabulary, notations, and symbols when appropriate