Algebra Concepts and Connections Unit 2: Analyzing Linear Inequalities

Overview:

This unit provides the opportunity for students to extend their understanding of linear inequalities systems of equations by creating, analyzing, and solving linear inequalities in two variables and systems of linear inequalities to model real-life phenomena.

Learning Targets

In Unit 2, students will:

- Create and solve linear inequalities in two variables to represent relationships between quantities including mathematically applicable situation

- Graph inequalities on coordinate axes with labels and scales

- Represent constraints of linear inequalities and interpret data points as possible or not possible

- Solve systems of linear inequalities by graphing, including systems representing a mathematically applicable situation

Key Vocabulary: (linked to GA DOE Interactive Glossary)

Boundary Line	Inequality	Linear Function	Solution Set

Supporting Resources:

http://ctlslearn.cobbk12.org/ 　　　　　　　　Graphing Linear Inequalities

https://gavirtual.instructure.com/courses/34327 　　　　Solving Systems of Linear Inequalities

MATHEMATICS