

# UNIT 5 - LESSON PLANS

**Class** Algebra 1

**Topic** U5– Standard Form

**Lesson** 5 **Of** 8

Students will:

**Objective**

- Be able to understand the concept of standard form of a linear equation.
- Be able to graph any linear equation using the standard form and x- and y- intercepts.

**“I Can” Statement**

I can represent any linear equation using the standard form.

**Common Core Standards**

[CCSS.MATH.CONTENT.8.EE.B.5](#)

Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways. For example, compare a distance-time graph to a distance-time equation to determine which of two moving objects has greater speed

[CCSS.MATH.CONTENT.8.EE.B.6](#)

Use similar triangles to explain why the slope  $m$  is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation  $y = mx$  for a line through the origin and the equation  $y = mx + b$  for a line intercepting the vertical axis at  $b$ .

**Bell Work**

See 5-5 Bell Work

**Procedures**

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.
4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

# UNIT 5 - LESSON PLANS

**Assessment**

Bell Work 5-5

Assignment 5-5

Exit Quiz 5-5

**Additional Resources**

See Online Activities