

S. P. ARNETT MIDDLE SCHOOL  
COMMON CORE ALIGNED LESSON PLAN TEMPLATE

TEACHER: Ashleigh Richardson

SUBJECT: Mathematics

DATE: October 9-13, 2023

GRADE: 8<sup>th</sup>

CCSS: Common Core Learning Standard(s) Addressed:

**MATH**

8.G.A.1-Verify experimentally the properties of rotations, reflections, and translations:

8.G.A.1.a-Lines are taken to lines, and line segments to line segments of the same length.

8.G.A.1.b-Angles are taken to angles of the same measure.

8.G.A.1.c-Parallel lines are taken to parallel lines.

8.G.A.3-Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. (Rotations are only about the origin, dilations only use the origin as the center of dilation, and reflections are only over the y-axis and x-axis in Grade 8.)

**ALGEBRA 1**

9.A1.A-CED.A.2-Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.

9.A1.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.

9.A1.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.

*Danielson, 1c*

**Monday 10/9/23**

Algebra I

Inservice

Regular Math

Inservice

**Tuesday 10/10/23**

Algebra I

- Bellringer: Identify Solutions of Inequalities
- We Will: Graph linear inequalities in two variables.
- Eureka Math<sup>2</sup> Module 2: Lesson 4: Solution Sets of Linear Inequalities in Two Variables
- I Will: Make sense of a very large number of points represented as a shaded region.

Regular Math

- Bellringer: Name Geometric Figures
- We Will: Identify the basic properties of translations.
- Eureka Math<sup>2</sup> Module 2: Lesson 2: Translations
- I Will: Apply translations to the plane.

**Wednesday 10/11/23**

Algebra I

- Bellringer: Graph Solution Sets of Inequalities
- We Will: Graph solution sets of two-variable linear inequalities in different forms.
- Eureka Math<sup>2</sup> Module 2: Lesson 5: Graphing Linear Inequalities in Two Variables
- I Will: Be able to compare the graph of a one-variable inequality to a two-variable inequality.

Regular Math

- Bellringer: Translation
- We Will: Identify the basic properties of reflections.
- Eureka Math<sup>2</sup> Module 2: Lesson 3: Reflections
- I Will: Apply reflections to the plane.

**Thursday 10/12/23**

Algebra I

- Bellringer: Write Equations or Inequalities in One Variable
- We Will: Represent situations and their constraints by using equations and inequalities.
- Eureka Math<sup>2</sup> Module 2: Lesson 6: Applications of Linear Equations and Inequalities
- I Will: Create and graph equations and inequalities in two variables to represent the relationship between quantities.

#### Regular Math

- Bellringer: Plot points in Four Quadrants
- We Will: Apply translations and reflections on the coordinate plane.
- Eureka Math<sup>2</sup> Module 2: Lesson 4: Translations and Reflections on the Coordinate Plane
- I Will: Use coordinates to describe the location of an image under a translation or a reflection.

#### Friday 10/13/23

#### Algebra I

- Bellringer: Study for Eureka Math<sup>2</sup> Module 2: Topic A
- We Will: Review for Eureka Math<sup>2</sup> Module 2: Topic A Quiz
- I Will: Take Eureka Math<sup>2</sup> Module 2: Topic A Quiz (Lessons 1-6)

#### Regular Math

- Bellringer: Drawing Angles
- We Will: Apply rotations to the plane.
- Eureka Math<sup>2</sup> Module 2: Lesson 5: Rotations
- I Will: Identify the basic properties of rotations.

*Danielson, 2c, 3b, 3c,*

Resources/Materials: (What texts, digital resources, & materials will be used for this lesson?)

1. Bellringer PDF
2. Other materials embedded in daily lesson/activity plan

*Danielson, 2c, 3c*