

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

TEACHER: Ashleigh Richardson

SUBJECT: Mathematics

DATE: October 16-20, 2023

GRADE: 8th

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.2-Explain that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them. (Rotations are only about the origin and reflections are only over the y-axis and x-axis in Grade 8.)

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.A2.A-REI.C.6-Solve systems of linear equations exactly and approximately (e.g., with graphs), limited to systems of at most three equations and three variables. With graphic solutions, systems are limited to two variables.

9.A1.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.

Danielson, 1c

Monday 10/16/23

Algebra I

- Bellringer: Study for Eureka Math2 Module 2: Topic A
- We Will: Review for Eureka Math2 Module 2: Topic A Quiz
- I Will: Take Eureka Math2 Module 2: Topic A Quiz (Lessons 1-6)

Regular Math

- Bellringer: Describe Rotations
- We Will: Apply rotations around the origin on the coordinate plane.
- Eureka Math² Module 2: Lesson 6: Rotations on the Coordinate Plane
- I Will: Use coordinates to describe the location of an image under a rotation around the origin.

Tuesday 10/17/23

Algebra I

- Bellringer: Use Conversions to Solve Problems
- We Will: Evaluate the type of problem and find the strategies that work best to solve it.
- Eureka Math² Module 2: Lesson 7: Low-Flow Showerhead
- I Will: Investigate a real-world problem that can be solved by using a system of linear equations.

Regular Math

- Bellringer: Study
- We Will: Review Study Guide and ask questions.
- Eureka Math² Module 2: Topic A: Lesson 1-6 Quiz
- I Will: Take the Eureka Math2 Module 2: Topic A Quiz

Wednesday 10/18/23

Algebra I

- Bellringer: Identify Solutions of Systems of Equations
- We Will: Solve systems by substitution and graphing.
- Eureka Math² Module 2: Lesson 8: Systems of Linear Equations in Two Variables
- I will: Notice what conditions make graphing the easier method and what conditions make substitution the easier method.

Regular Math

- Bellringer: Apply Rigid Motions
- We Will: Describe the rigid motion required to map an image back onto its original figure.
- Eureka Math² Module 2: Lesson 7: Working Backward
- I Will: Draw a figure and apply a rigid motion.

Thursday 10/19/23

Algebra I

- Bellringer: Use Properties of Equality
- We Will: Learn a new way of solving systems that involves rewriting that involves rewriting one of both of the original equations by using properties of equality.
- Eureka Math² Module 2: Lesson 9: A New Way to Solve Systems
- I Will: Solve systems of linear equations by using the elimination method.

Regular Math

- Bellringer: Apply Rigid Motions
- We Will: Determine that the properties of individual rigid motions also apply for a sequence of rigid motions.
- Eureka Math² Module 2: Lesson 8: Sequencing the Rigid Motions
- I Will: Describe a sequence of rigid motions that maps one figure onto another.

Friday 10/20/23

Algebra I

- Bellringer: Determine the Number of Solutions
- We Will: Gain more experience using the elimination method correctly.
- Eureka Math² Module 2: Lesson 10: The Elimination Method
- I Will: Solve Systems of linear equations algebraically by using the elimination method and by using a method of choice.

Regular Math

- Bellringer: Apply Sequences of Rigid Motions
- We Will: Determine whether the order in which a sequence of rigid motions is applied matters.
- Eureka Math² Module 2: Lesson 9: Ordering Sequences of Rigid Motions
- I Will: Learn the importance of applying a sequence in the given order.

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