S. P. ARNETT MIDDLE SCHOOL

COMMON CORE ALIGNED LESSON PLAN TEMPLATE

TEACHER: _Ashleigh Richardson_____ SUBJECT: _Mathematics_____

DATE: __September 18-22, 2023_____ GRADE: _8th_____

CCSS: Common Core Learning Standard(s) Addressed:

MATH

8.EE.A.2 - Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that √2 is irrational.

8.G.B.7 - Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.

ALGEBRA 1

S-ID.A.1 - Represent data with plots on the real number line (dot plots, histograms, and box plots).

S-ID.A.2 - Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets.

S-ID.A.3 - Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of extreme data points (outliers).

Danielson, 1c

Monday 9/18/23

Algebra I

- Bellringer: Practice Problems 1 (a), (b), and (c) from Module 1: Lesson 17
- We Will: Take Eureka Math^2 Module 1 Topic C (Lesson 14-17) Quiz
- Review Eureka Math^2 Module 1 Lesson 14-17 (Practice Quiz Questions)
- Take Eureka Math^2 Module 1 Topic C Quiz
- I Will: Take Notes, ask questions, and take Module 1 Topic C Quiz

Regular Math

- Bellringer: Evaluate Squares and Cubes
- We Will: Solve equations of the form $x^2 = p$ and $x^3 = p$, where p is a rational number and the solutions are rational numbers.
- Eureka Math^2 Module 1: Lesson 17: Solving Equations with Squares and Cubes
- I Will: Be able to tell me how many solutions there are for $x^2 = p$ and $x^3 = p$? Why?

Tuesday 9/19/23

Algebra I

- Bellringer: Read a Dot Plot
- We Will: Informally describe a data distribution displayed in a dot plot.
- Eureka Math^2 Module 1: Lesson 18: Distributions and Their Shapes
- I Will: Use digital tools to efficiently collect and analyze data via a memory test game.

Regular Math

- Bellringer: Identify the Right Triangle
- We Will: Describe the Pythagorean theorem and the conditions required to use it.
- Eureka Math^2 Module 1: Lesson 18: The Pythagorean Theorem
- I Will: Apply the Pythagorean theorem by finding the length of the hypotenuse of a right triangle given the lengths of the legs.

Wednesday 9/20/23

Algebra I

- Bellringer: Find Mean and Median
- We Will: Look at how the mean and median are used to describe a typical value for a data distribution.
- Eureka Math^2 Module 1: Lesson 19: Describing the Center of a Distribution
- I Will: Identify whether the mean and/or the median appropriately describes a typical value for a given data set.

Regular Math

- Bellringer: Solve Equations of the Form $x^2 = p$
- We Will: Apply the Pythagorean theorem to find the unknown length of the hypotenuse of a right triangle.
- Eureka Math^2 Module 1: Lesson 19: Using the Pythagorean Theorem
- I Will: Use square root notation to express lengths that are not rational.

Thursday 9/21/23

Algebra I

- Bellringer: Describe Distributions Numerically
- We Will: Determine the median from data distributions displayed in box plots.
- Eureka Math^2 Module 1: Lesson 20: Using Center to Compare Data Distributions
- I will: Use the median to compare typical values of two data sets.

Regular Math

- Bellringer: Students intuitively reason about the values of square roots.
- We Will: Use side lengths to help us more accurately locate these numbers on a number line.
- Eureka Math^2 Module 1: Lesson 20: Square Roots
- I Will: Place square roots on a number line.

Friday 9/22/23

Algebra I

- Bellringer: Find Deviations from the Mean
- We Will: Learn about new measures of spread and use them to compare distributions of univariate data.
- Eureka Math^2 Module 1: Lesson 21: Describing Variability in a Univariate Distribution with Standard Deviation
- I Will: Use standard deviation to compare two data distributions.

Regular Math

- Bellringer: Practice Problems
- We Will: Take Eureka Math^2 Module 1 Topic D (Lesson 16-20) Quiz
- Take the Eureka Math^2 Module 1 Topic D Quiz (Lesson 16-20)
- I Will: Take Eureka Math^2 Module 1 Topic D Quiz

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