# Mr. Adeola
# 8th Math
# Yearly Plan 2022-2023

| August 30, 2022-November 3, 2022 | November 6, 2022-January 19, 2023 | January 22, 2023-March 20, 2023 | March 21, 2023-June 3, 2023 |
|---|---|---|---|
| **Review Previously Introduced Information**<br><br>**Unit 1: Real Numbers, Exponents, and Scientific Notation**<br><br>**Module 1: Real Numbers**<br>• Rational and Irrational Numbers (8.NS.1)<br>• Sets of Real Numbers (8.NS.1)<br>• Ordering Real Numbers (8.NS.2)<br><br>**Module 2: Exponent and Scientific Notation**<br>• Integer Exponents (8.EE.1)<br>• Scientific Notation with Positive Powers of 10 (8.EE.1)<br>• Scientific Notation with Negative Powers of 10 (8.EE.3<br>• Operations with Scientific Notation (8.EE.4)<br><br>**Unit 2: Proportional and Nonproportional Relationships and Functions**<br><br>**Module 3: Proportional Relationships**<br>• Representing Proportional Relationships(8.EE.6)<br>• Rate of Change and Slope (8.F.4)<br>• Interpreting the Unit Rate as Slope (8.EE.5<br><br>**Module 4: Nonproportional Relationships**<br>• Representing Linear Nonproportional Relationships (8.F.3)<br>• Determining Slope and Y-Intercept (8.EE.6)<br>• Graphing Linear Non Proportional Relationships Using Slope and Y-Intercept (8.EE.7)<br>• Proportional and Nonproportional Situations (8.EE.7a)<br><br>**Project:**<br>**Creating Rational Number Lines** | **Unit 2: Proportional and Nonproportional Relationships and Functions (Continued)**<br><br>**Module 5: Writing Linear Equations**<br>• Writing Linear Equations from Situations and Graphs (8.F.4)<br>• Writing Linear Equations from a Table (8.F.4)<br>• Linear Equations and Bivariate Data (8.SP.1)<br><br>**Module 6: Functions**<br>• Identifying and Representing Functions (8.F.1)<br>• Describing Functions (8.F.3)<br>• Comparing Functions (8.F.2)<br>• Analyzing Graphs (8.F.5<br><br>**Unit 3: Solving Equations and Systems of Equations**<br><br>**Module 7: Solving Linear Equations**<br>• Equations with Variables on Both Sides (8.EE.7)<br>• Equations with Rational Numbers (7.EE.7b)<br>• Equations with the Distributive Property (7.EE.7b)<br>• Equations with many solutions or No Solution (8.EE.7a)<br><br>**Module 8: Solving Systems of Linear Equations**<br>• Solving Systems of Linear Equations by Graphing (8.EE.8a)<br>• Solving Systems by Substitution (8.EE.8b)<br>• Solving Systems by Elimination (8.EE.8b)<br>• Solving Systems by Elimination with Multiplication (8.EE.8b)<br>• Solving Special Systems (8.EE.8b)<br><br>**Project:**<br>**Craft a Bar Graph depicting the Grade 8 students' favorite food.** | **Unit 4: Transformational Geometry**<br><br>**Module 9: Transformations and Congruence**<br>• Properties of Translations (8.G.1)<br>• Properties of Reflections (8.G.1)<br>• Properties of Rotations (8.G.1)<br>• Algebraic Representations of Transformations (8.G.3)<br>• Congruent Figures (8.G.2)<br><br>**Module 10: Transformations and Similarity**<br>• Properties of Dilations (8.G.4)<br>• Algebraic Representations of Dilations (8.G.3)<br>• Similar Figures (8.G.4)<br><br>**Unit 5: Measurement Geometry**<br><br>**Module 11: Angle Relationships in Parallel Lines and Triangles**<br>• Parallel Lines Cut by a Transversal (8.G.5)<br>• Angle Theorems for Triangles (8.G.5)<br>• Angle-Angle Similarity (8.G.5)<br><br>**Module 12: The Pythagorean Theorem**<br>• The Pythagorean Theorem (8.G.7)<br>• Converse of the Pythagorean Theorem (8.G.6)<br>• Distance Between Two Points (8.G.6) | **Unit 5: Measurement Geometry (Continued)**<br><br>**Module 13: Volume**<br>• Volume of Cylinders (8.G.9)<br>• Volume of Cones (8lG.9)<br>• Volume of Spheres (8.G.9)<br><br>**Unit 6: Statistics**<br><br>**Module 14: Scatter Plots**<br>• Scatter Plots and Association (8.SP.1)<br>• Trend Lines and Predictions (8.SP.3)<br><br>**Module 15: Two-Way Tables**<br>• Two-Way Frequency Tables (8.SP.4)<br>• Two-Way Relative Frequency Tables (8.SP.4) |