

8th Grade Math 2025-2026 (Essential Standards Covered)

<u>August:</u>	School/Classroom Administration <ul style="list-style-type: none"> - Rules, Classroom Expectations, Grading Policies Module 1 Scientific Notation, Exponents, and Irrational Numbers Module 2 Topic (8 weeks) (8.NS.1, 8.NS.2, 8.EE.1, 8.EE.2, 8.EE.3, 8.EE.4, 8.G.7, 8.G.8, 8.G.9) <ul style="list-style-type: none"> - Intro to Scientific Notation - Add/Subtract in scientific notation - Properties of exponents - Application of exponents - Operations with scientific notation - Perfect Squares and Cubes/Square roots - Pythagorean theorem - Irrational numbers - Converse of the Pythagorean theorem - Distance Formula - Pythagorean theorem Proof
<u>September</u>	
<u>October</u>	Module 4 Linear Equations in One and Two Variables (7 weeks) (8.NS.1, 8.EE.5, 8.EE.6, 8.EE.7.a,b,c) <ul style="list-style-type: none"> - Linear equations in one variable
<u>November</u>	<ul style="list-style-type: none"> - Number of solutions to equations
End 1st Trimester	<ul style="list-style-type: none"> - Writing and applying one variable equations - Linear equations in two variables - Graphing 2 variable equations. - Slope of a line - Different Forms of linear equations (slope-intercept, point-slope, standard form) - Graphing and writing linear equations
Thanksgiving Break	
<u>December</u>	Module 5 System of Equations (4 Weeks) (8.EE.8, a, b, c) <ul style="list-style-type: none"> - Introduction to linear systems of equations - Solve systems graphically - Solve systems algebraically
<u>Winter Break</u>	
<u>January</u>	<ul style="list-style-type: none"> - Substitution method/Elimination Method - Writing and solving systems of equations Module 6 Functions Bivariate Statistics/Bivariate numerical data (6 weeks) (8.EE.5, 8.EE.6, 8.F.1, 8.F.2, 8.F.3, 8.F.4, 8.F.5,)(8.SP.1, 8.SP.2, 8.SP.3, 8.SP.4) <ul style="list-style-type: none"> - Functions - Proportional vs non-proportional
<u>February</u>	<ul style="list-style-type: none"> - Graphs of functions linear and non-linear - Volume (Cylinders, Cones, and Spheres) - Scatter plots - fitting line to data
End 2nd trimester	<ul style="list-style-type: none"> - Organizing and plotting data, - - Using Data displays to find Associations
<u>March</u>	Module 2 Rigid Motions and Congruent Figures 4 weeks) (8.G.1a,b,c, 8.G.2, 8.G.3, 8.G.5, 8.G.6,) <ul style="list-style-type: none"> - Rigid Motions (Translations, Reflections, Rotations)
<u>Spring Break</u>	<ul style="list-style-type: none"> - Rigid motions and congruent figures - Angle Relationships
<u>April</u>	Module 3 Dilations and Similar Figures (4 weeks) (8.EE.6, 8.G.3, 8.G.4, 8.G.5,) <ul style="list-style-type: none"> - Dilations - Properties of Dilations - Algebraic transformations - Similar figures - Applications of similar figures - Similar Triangles State assessments
<u>May</u>	<ul style="list-style-type: none"> - Prepare for a class final Class Final