

Time/Month	Standard(s)	Content	Skills
September (week 1) - September (week 3) 12 days	8.G.2 8.G.5	Unit 1 Tools of Geometry	Introduction to Geometry Angles and their measures Angle Pairs Geometric Terminology Parallel Lines Geometry with Coordinates Congruent Geometric Objects Congruent Triangles
September (Week 4) - October (Week 2) 14 days	8.G.1 8.G.3 8.G.4 8.G.5	Unit 2 Transformations	Introduction to Transformations Reflections Horizontal and Vertical lines in the Coordinate Plane Reflections in the Coordinate Plane Rotations Rotations in the Coordinate Plane Translations Translations in the Coordinate Plane Transformations and Congruent Figures Angle Sums in a Triangle Exterior Angles of a Triangle Isosceles Triangles
October (Week 3) - (week 5) 13 days	8.G.3 8.G.4 8.EE.6	Unit 3 Similarity and Dilations	Proportional Variables Dilations Dilations in the Coordinate Plane Similar Figures Mapping Similarity The Angle - Angle criterion for similar triangles Similar triangles and parallel lines
November (Week 1) - (Week 3)	8.NS.1 8.EE.6	Unit 4 The Algebra of One Variable	Operations with Signed Numbers Variables and Expressions Combining Like Terms Solving Two Step Equations Solving Equations with Variables on Both Sides Modeling with linear Equations Identities and Inconsistent Equations

December (Week 1) - (Week 3)	8.EE.5 8.EE.8 8.F.3	Unit 5 Equations of Lines	Proportional Relationships Slope and Similarity Equations of Lines Slopes and Negative Numbers More Work with Equations of Lines Finding the slope of a line Systems of Equations Solving systems of Equations algebraically Parallel Lines in the Coordinate Plane
January (Week 2) - (Week 4) 13 days	8.F.1 8.F.2 8.F.4 8.F.5 8.SP.1 8.SP.2 8.SP.3 8.SP.4	Unit 6 Functions	Introduction to Functions Features of Functions Average Rate of Change Linear Functions Non-Linear Functions Scatter Plots and Lines of Best Fit The Strength of a linear fit
February (week 1) - (week 4)	8.EE.1 8.EE.2	Unit 7 Exponents and Roots	Exponents Properties of Exponents Simplifying Fractions with exponents Negative and Zero Exponents Square Roots Cube Roots
March (week 1) - (week 2) 9 days	8.G.6 8.G.7 8.G.8	Unit 8 The Pythagorean Theorem	Pythagorean Theorem and its Converse Applying the Pythagorean Theorem Distance in the Coordinate Plane
March (Week 3) - April (Week 1) 10 days	8.G.9	Unit 9 Volume and Surface Area of Solids	Volume and Surface Area of Prisms The Circumference and Area of a Circle Volume of a Cylinder Surface area of a Cylinder Volume of a Cone Spheres

April (week 3) - (week 4)			State Test 4/21 - 4/23 and Test Prep
April (week 5) - May (week 2) 10 days	8.EE.3 8.EE.4	Unit 10 Scientific Notation	Multiplying by Powers of 10 Scientific Notation Operations with Numbers in Scientific Notation Scientific Notation on the Calculator Applications of Scientific Notation
May (week 3) - May (week 5) 10 days	8.EE.8	Unit 11 Systems of Equations	Systems of Equations Solving systems by Substitutions Solving Systems by Elimination Modeling with systems of equations
June Week 2 - week 3			Final and review