

Semester 1				Semester 2			
Unit 1	Unit 2A	Unit 2B	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
6 weeks Investigating Linear Expressions, Equations, and Inequalities in One Variable 8.PAR.3	2 weeks Modeling Linear Relationship s and Functions 8.FGR.5	7 weeks Modeling Linear Relationships and Functions 8.PAR.4 8.FGR.5	3 weeks Investigating Data & Statistical Reasoning 8.FGR.6	5 weeks Real-Life Phenomena Explored Through Systems of Linear Equations 8.FGR.7	6 weeks Irrationals, Integer Exponents and Scientific Notation 8.NR.1-2	4 weeks Exploring Geometric Relationships 8.GSR.8	3 weeks Culminating Capstone Unit
8.PAR.3.6 (Literal equations) 8.PAR.3.1 (Expressions) 8.PAR.3.2 (Solving equations) 8.PAR.3.3 (Create and solve equations and inequalities including compound) 8.PAR.3.4 (Justify solving equations with properties) 8.PAR.3.5 (Solve equations and inequalities with coefficients as letters)	8.FGR.5.1 (Functions) 8.FGR. 5.2 (Linear and non-linear functions)	8.PAR.4.1 (y = mx + b and y = mx) 8.PAR.4.2 (Graphing lines) 8.FGR.5.3 (Domain) 8.FGR.5.4 (Compare properties) 8.FGR.5.5 (Equation forms) 8.FGR.5.6 (Equivalent forms) 8.FGR.5.7 (Construct a linear function) 8.FGR.5.8 (Rate of change and initial value) 8.FGR.5.9 (Characteristics)	<ul> <li>8.FGR.6.1</li> <li>(Line of best fit)</li> <li>8.FGR.6.2</li> <li>(Solving problems using linear model equation)</li> <li>8.FGR.6.3</li> <li>(Meaning of predicted slope and intercept of linear model)</li> <li>8.FGR.6.4</li> <li>(Line of best fit questions and inferences)</li> </ul>	8.FGR.7.1 (Interpret and solve problems with two equations and two variables) 8.FGR.7.2 (Intersection points of linear equations) 8.FGR.7.3 (Solve systems by graphing) 8.FGR.7.4 (Solve systems algebraically) 8.FGR.7.5 (Parallel and perpendicular line equations)	8.NR.1.1 (Rational and irrational numbers) 8.NR.1.2 (Locate irrational numbers on number line) 8.NR.2.1 (Integer exponents) 8.NR.2.2 (Square roots and cube roots) 8.NR.2.3 (Scientific notation) 8.NR.2.4 (Add, subtract, multiply, and divide with scientific notation numbers)	<ul> <li>8.GSR.8.1</li> <li>(Proof and converse of Pythagorean Theorem)</li> <li>8.GSR.8.2</li> <li>(Apply Pythagorean Theorem)</li> <li>8.GSR.8.3</li> <li>(Distance between two points on graph)</li> <li>8.GSR.8.4</li> <li>(Volume of cone, cylinder, and sphere)</li> </ul>	All Standards

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