















	Topic (Unit)	LESSONS	Standards	Length of Time
FIRST 9 WEEKS	TOPIC 1 REAL NUMBERS	1-1 Rational Numbers as Decimals 1-2 Understand Irrational Numbers 1-3 Compare and Order Real Numbers 1-4 Evaluate Square Roots and Cube Roots 1-5 Solve Equations Using Square Roots and Cube Roots 1-6 Use Properties of Integer Exponents 1-7 More Properties of Exponents 1-8 Use Powers of 10 to Estimate Quantities 1-9 Understand Scientific Notation 1-10 Operations with Numbers in Scientific Notation	8.NS.1.1 , 8.NS.1.2 , 8.EE.1.1 , 8.EE.1.2 , 8.EE.1.4	22 DAYS
	TOPIC 2 ANALYZE AND SOLVE LINEAR EQUATIONS	2-1 Combine Like Terms to Solve Equations 2-2 Solve Equations with Variables on Both Sides 2-3 Solve Multistep Equations 2-4 Equations with No Solutions or Infinitely Many Solutions 2-5 Compare Proportional Relationships 2-6 Connect Proportional Relationships and Slope 2-7 Analyze Linear Equations: $y = mx$ 2-8 Understand the y-Intercept of a Line 2-9 Analyze Linear Equations: $y = mx + b$	8.EE.2.5  8.EE.2.6  8.EE.3.7a  8.EE.3.7b 	22 DAYS
SECOND 9 WEEKS	TOPIC 3 USE FUNCTIONS TO MODEL RELATIONSHIPS	3-1 Understand Relations and Functions 3-2 Connect Representations of Functions 3-3 Compare Linear and Nonlinear Functions 3-4 Construct Functions to Model Linear Relationships 3-5 Intervals of Increase and Decrease 3-6 Sketch Functions from Verbal Descriptions	8.F.1.1 8.F.1.2  8.F.1.3  8.F.2.4 8.F.2.5	21 DAYS
	TOPIC 4 INVESTIGATE BIVARIATE DATA	4-1 Construct and Interpret Scatter Plots 4-2 Analyze Linear Associations 4-3 Use Linear Models to Make Predictions 4-4 Interpret Two-Way Frequency Tables 4-5 Interpret Two-Way Relative Frequency Tables	8.SP.1.1 8.SP.1.2 8.SP.1.3 8.SP.1.4 	21 DAYS



- Indicate MAFS Standards in which calculator is allowed on FSA.

	Topic (Unit)	LESSONS	Standards	Length of Time
THIRD 9 WEEKS	TOPIC 5 ANALYZE AND SOLVE SYSTEMS OF LINEAR EQUATIONS	5-1 Estimate Solutions by Inspection 5-2 Solve Systems by Graphing 5-3 Solve Systems by Substitution	8.EE.3.8a  8.EE.3.8b  8.EE.3.8c  8.SP.1.3 8.F.2.4	10
	TOPIC 6 CONGRUENCE AND SIMILARITY	6-1 Analyze Translations 6-2 Analyze Reflections 6-3 Analyze Rotations 6-4 Compose Transformations 6-5 Understand Congruent Figures 6-6 Describe Dilations 6-7 Understand Similar Figures 6-8 Angles, Lines, and Transversals 6-9 Interior and Exterior Angles of Triangles 6-10 Angle-Angle Triangle Similarity	8.G.11a , 8.G.11.b , 8.G.1.1c , 8.G.1.2 , 8.G.1.3 , 8.G.1.4 , 8.G.1.5	20 DAYS
	TOPIC 7 UNDERSTAND AND APPLY THE PYTHAGOREAN THEOREM	7-1 Understand the Pythagorean Theorem 7-2 Understand the Converse of the Pythagorean Theorem 7-3 Apply the Pythagorean Theorem to Solve Problems 7-4 Find Distance in the Coordinate Plane	8.G.2.6  8.G.2.7  8.G.2.8 	16 DAYS
FOURTH 9 WEEKS	TOPIC 8 SOLVE PROBLEMS INVOLVING SURFACE AREA AND VOLUME	8-2 Find Volume of Cylinders 8-3 Find Volume of Cones 8-4 Find Volume of Spheres	8.G.3.9 	10 DAYS
	Review for FSA		FSA TESTING WINDOW – BEGINS MAY 1ST	
	NEXT STEPS FOR ALGEBRA 1			