

Time/Month	Standard(s)	Content	Skills
September (Week 2) -October (Week 3) 28 days	N-Q.1 A-CED.2 A-SSE.1 A-SSE.2 A-SSE.3 A-REI.1 A-CED.1	Unit 1: Foundations of Algebra	- Application of Rates and Patterns to solve Problems - Variables - Expressions: evaluate an expressions, justify equivalent expressions, translate words to expressions - Application of the Properties of real numbers - Exponents
October (Week 4) - December (Week 1) 32 days	A-REI.1 A-REI.3 A-SSE.3 A-CED.1 A-CED.3	Unit 2: Linear Expressions, Equations and Inequalities	- Solving multi step linear equations - Justifying the steps for solving equations - Solve multi step inequality and compound inequalities - Interpreting the the solution to an Equation or Inequality - Use interval notation to represent the solution - Modeling with equations or inequalities
December(week 2) - January (week 5) 18 days	F-IF.1 F-IF.2 F-IF.4 F-IF.6 F-IF.7 N-Q.1	Unit 3: Functions	- Identify/Define a Function - Identify Domain and Range - Use Function Notation in context - Evaluate a Function for given domain - Graph functions, identify itercepts, maxima, minima - Exploring the features of a function with the graphing calculator - Calculate and interpret Average rate of change over specified time interval - Relate Domain and range to the graph of a function, interpret in context
February (week 1) - March (week 2) 32 days	A-CED.2 A-CED.3 A.SSE.1 A-REI.10 A-REI.12 F-IF.3 F-IF.4 F-IF.5 F-IF.6 F-IF.7 F-LE.1 F-LE.2	Unit 4: Linear Functions and Arithmetic Sequence	- Create an equation in two or more variables to represent a relationship - Graph equation on coordinate plane with appropriate labels and scales - Use dimensional analysis for unit conversion - Construct linear and exponential functions - Represent constraints of a of a function - Interpret key features of an absolute Value or Step Function - Understand the graph of an equation in two variables - Understand that the arithmetic sequence is a linear function

	F-LE.5 F-BF.1 N-Q.1 N-Q.2		
March (Week 3) - April (Week 5) 28 days	A-CED.2 A-CED.3 A-REI.5 A-REI.6 A-REI.10 A-REI.11 A-REI.12	Unit 5: Systems of Linear Equations and Inequalities	- Solve a system of equations by graphing, substitution, or elimination - Properties of a system of equations and their solutions - Modeling a system of equations
May (week 1) - June (week 1) 24 day	A-SSE.1 A-SSE.3 A-CED.1 A-CED.2 A-CED.3 F-IF. 3 F-IF.5 F-IF.6 F-BF.1 F-LE.1 F-LE.2 F-LE.5 N-Q.2	Unit 6: Exponents, Exponents, and More Exponents	- Simplifying Expressions with Exponents - Applying the properties of exponents - Exponential Growth - Exponential Functions - Percent Increase and Decrease - Write exponential Models based on growth and decay - Compare Linear functions to Exponential Functions - Geometric sequence
June Week 2 - week 3			Review and Final