#	Unit Title	Big Idea(s)	Essential Question(s)	Priority Standards	Secondary Standards	Skills/Knowledge Addressed
1	*Real Numbers and Expressions*	Write and evaluate expressions using order of operations	- Why do we use variables? - Why are properties of mathematics important?	CC.2.1.HS.F.2: Apply properties of rational and irrational numbers to solve real world problems CC.2.2.HS.D.9	CC.2.2.HS.D.6	- Write verbal and algebraic expressions - Evaluate expressions - Use the distributive property
2	*Linear Equations and Inequalities*	Writing and solving equations, graphing, slope, rate of change, solving inequalities	- What are the advantages of using algebraic equations to solve real world problems? - What does the slope of a line tell us? - How are equations and inequalities alike and different? - How do the words "and" and "or" affect the solution to an inequality?	CC.2.2.8.B.3 CC. 2.2.HS.D.10 CC.2.2.HS.C.2	CC.2.2.HS.C.3 CC.2.2.HS.D.10 CC.2.4.HS.B.1	- Solve multi-step equations including absolute value - Solve equations for given variables - Identify zeros and intercepts - Write equations - Solve and graph compound inequalities - Solve and graph linear inequalities
3	*Systems of Linear Equations and Inequalities*	Solving systems of equations, applying systems of equations	- Which method should I use to solve the system of equations? - How can systems of equations be used to solve real world problems?	CC.2.2.HS.D.10	CC.2.2.HS.C.3	- Solve systems of linear equations using graphing, elimination, and substitution - Apply systems of equations to solve real world problems
4	*Polynomials*	Basic operations with polynomials	- How can polynomial operations be translated to real life situations and problems?	CC.2.2.HS.D.3	CC.2.2.HS.D.6	- Add, subtract, multiply, and divide monomials and polynomials

5	*Factoring and Quadratics*	Factoring monomials and polynomials	- Why do we factor polynomials? - When should I factor and when should I use the quadratic formula?	CC.2.2.HS.D.3	CC.2.1.HS.F.2	- Factor quadratic equations - Use the quadratic formula - Analyze graphs of quadratic functions
6	*Rational Expressions*	Identifying rational expressions, operations with rational expressions	- How are reciprocals used to divide rational expressions? - How does factoring relate to simplifying a rational expression?	CC.2.1.HS.F.2		- Simplify rational expressions - Add, subtract, multiply, and divide rational expressions
7	*Radical Functions*	Simplifying square roots	- What are the rules for simplifying square roots?	CC.2.1.HS.F.2		- Find square roots -