

Quarter	Essential Skills	Strategies and Activities	CC Standards	Assessments
1	<ul style="list-style-type: none"> -Students will solve multi-step equations which require combining like terms and/or distributive property. -Students will solve equations with variables on both sides of the equal sign. -Students will write and solve a multi-step equation to model a given word problem. 			
2	<p><u>Unit 3: Inequalities</u></p> <ul style="list-style-type: none"> -Students will use an inequality to represent a real-life scenario. -Students will graph inequalities on a number line. -Students will solve one-step inequalities. -Students will solve two-step inequalities. -Students will solve multi-step inequalities that require combining like terms and using the distributive property. -Students will write and solve an inequality for a given word problem. 	<ul style="list-style-type: none"> note-taking deltamath guided practice individual practice Edpuzzle 	<ul style="list-style-type: none"> A.REI.1 A.REI.3 A.CED.1 	<ul style="list-style-type: none"> Daily Homework Quiz 3-1 to 3-4 Unit 3 Test
2	<p><u>Unit 4: Linear Equations and Functions</u></p> <ul style="list-style-type: none"> -Students will plot points on a coordinate plane. -Students will complete input-output tables. -Students will graphing a linear equation using a table. -Students will find rate of change. -Students will find slope using rise over run. -Students will find slope using the slope formula. -Students will identify the slope and y-intercept from an equation and from a graph. 	<ul style="list-style-type: none"> note-taking deltamath guided practice individual practice Edpuzzle pixel art activity function maze desmos activity 	<ul style="list-style-type: none"> 7.RP.2 8.EE.5 F-IF 	<ul style="list-style-type: none"> Daily Homework Quiz 4-1 to 4-3 Unit 4 Test

2	<p>-Students will write an equation in slope-intercept form for a real-life scenario.</p> <p>-Students will graph lines using slope-intercept form.</p> <p>-Students will determine if a relation is a function (represented by a table, equation, and/or graph).</p> <p>-Students will determine if a function is a linear function.</p> <p>-Students will be able to write an equation in slope-intercept form when given two points on the line, or when given the graph of the line.</p> <p>-Students will be able to rewrite equations in slope-intercept that are given in standard form.</p>			
3	<p><u>Unit 5: Systems of Equations</u></p> <p>-Students will identify if a system of equations has one solution, no solution, or infinitely many solutions given the graph of the system.</p> <p>-Students will determine if an ordered pair is a solution to a given system of equations.</p> <p>-Students will be able to determine the solution of a system of equations given the graph of the system of equations.</p> <p>-Students will solve systems of equations by graphing.</p> <p>-Students will solve systems of equations using substitution.</p> <p>-Students will solve systems of equations using elimination.</p> <p>-Students will write a system of equations for a given word problem.</p> <p><u>Unit 6: Percents</u></p>	<p>note-taking deltamath guided practice individual practice Edpuzzle Breakout Activity</p>	<p>A.REI.5 A.REI.6</p>	<p>Daily Homework Quiz 5-1 Unit 5 Test</p>

3	<p>-Students will convert between fractions, decimals, and percents.</p> <p>-Students will solve percent problems.</p> <p>-Students will solve problems using the simple interest formula.</p> <p>-Students will solve percent word problems that include sales tax, gratuity, discounts, mark-ups, mark-downs, and commission.</p> <p>-Students will solve problems involving percent of change.</p>	<p>note-taking deltamath guided practice individual practice Edpuzzle pixel art activity restaurant activity</p>	<p>7.EE.3 7.RP.2 7.RP.3</p>	<p>Daily Homework Quiz 6-1 to 6-3 Unit 6 Test</p>
4	<p><u>Unit 7: Exponents</u></p> <p>-Students will write powers in standard form and expanded form.</p> <p>-Students will evaluate expressions involving exponents.</p> <p>-Students will solve problems using order of operations involving exponents.</p> <p>-Students will simplify algebraic expressions using exponent rules.</p> <p>-Students will convert between standard form and scientific notation.</p> <p>-Students will find exact values and approximations of square roots and cube roots.</p> <p>-Students will simplify radical expressions.</p> <p>-Students will solve equations that contain square roots and cube roots.</p>	<p>note-taking deltamath guided practice individual practice Edpuzzle Google Slides Sort Breakout Activity</p>	<p>8.EE.1 8.EE.2 8.EE.3 8.EE.4</p>	<p>Daily Homework Quiz 7-1 to 7-4 Unit 7 Test</p>
4	<p><u>Unit 8: Polynomials</u></p> <p>-Students will write polynomials in standard form.</p> <p>-Students will identify if a polynomial is a monomial, binomial, or trinomial.</p> <p>-Students will determine the degree of a monomial.</p> <p>-Students will determine the degree of a</p>	<p>note-taking deltamath guided practice individual practice Edpuzzle polynomial maze</p>	<p>7.EE.1 A.SSE.1 A.APR.1</p>	<p>Daily Homework Quiz 8-1 to 8-3 Unit 8 Test</p>

4	<p>polynomial.</p> <ul style="list-style-type: none">-Students will add and subtract polynomials.-Students will multiply a monomial by a polynomial.-Students will multiply two binomials.-Students will factor a GCF from a polynomial.-Students will factor polynomials in the form $ax^2 + bx + c$. when $a = 1$.			
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