

**Curriculum Map 2023-2024**

**Teacher: Ms. Stockham**

**Subject: Algebra 1**

<b>MONTH</b>	<b>UNIT</b>	<b>Lessons or skills covered</b>
<b>August/ September</b>	<b>Algebra Basics</b>	<b>REal number system, properties, order of operations, absolute value, evaluating expressions, combining like terms, simplifying and translating expressions, two-step equations &amp; inequalities</b>
<b>September/ October</b>	<b>Multi-step equations &amp; inequalities</b>	<b>Multi-step &amp; absolute value equations, variables on both sides, infinite &amp; not solutions, algebraic proportions, literal equations, compound &amp; absolute value inequalities</b>
<b>November</b>	<b>Relations &amp; Functions</b>	<b>Relations, functions, range, domain, real world graphs, graphing by table, function notation, zeros of functions, arithmetic sequences,</b>
<b>December</b>	<b>Linear Equations</b>	<b>Slope, slope formula, slope-intercept form, standard form, graphing linear equations, x &amp; y intercepts, vertical and horizontal lines, point-slope formula, writing equations, parallel and perpendicular lines, linear equations word problems</b>
<b>January/ February</b>	<b>Systems of Equations &amp; Inequalities</b>	<b>Solving system of equations by graphing, substitution &amp; elimination, Linear inequalities</b>
<b>February/ March</b>	<b>Exponents &amp; Exponential Function</b>	<b>Power rules, quotient rules, Properties of exponents, scientific notation, graphing exponential functions, geometric sequences, simplifying radicals</b>
<b>April</b>	<b>Polynomial &amp; Factoring</b>	<b>Polynomials, monomials, binomials, trinomials, Factoring Polynomials</b>

<b>May</b>	<b>Radicals Expressions &amp; Equations &amp; Geometry</b>	<b>Radicals: simplifying, adding, subtractins, multiplying &amp; dividing, Angles &amp; angle relationships, parallel lines cut by a transversal, Triangle sum theory, Pythagorean Theorem, Transformations: Reflections, Rotations, Translations, &amp; Dilations</b>
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