## Math Curriculum Map

Grade 8
Subject: Math
Textbook: Holt Middle School Math

| Month | Content | Skills | Assessments | Standards |
| :---: | :---: | :---: | :---: | :---: |
| August <br> September | Pre-Algebra | - Evaluate algebraic expressions <br> - Write algebraic expressions <br> - Solve equations <br> - Determine if a number is a solution of an equation <br> - Solve inequalities <br> - Graph inequalities on a number line |  | 8.A.2.1 (Application) Write and solve two-step degree equations, with one variable, and one-step inequalities, with one variable, using the et of integers. <br> 8.A.1.1. (Application) use properties to expand, combine, and simplify $1^{\text {st }}$ degree algebraic expressions with the et of integers. <br> 8.A.3.1. (Comprehension) Describe and determine linear relationships. |
| October | Integers and Exponents | - Simplify integer expressions <br> - Solve equations with integers <br> - Solve inequalities with integers <br> - Evaluate powers <br> - Write expressions in exponential form <br> - Simplify expressions with exponents <br> - Apply rules of exponents |  | 8.N.1.1. (Comprehension) <br> Represent numbers in a variety of forms and identify the subsets of rational numbers. <br> 8.N.2.1. (Application) Read, write, and compute within any subset of rational numbers. |
| November | Real and Rational Numbers | - Define rational numbers <br> - Simplify rational expression <br> --like denominators <br> --unlike denominators <br> - Write decimals as fractions <br> - Write fractions as decimals <br> - Distinguish between terminating and repeating decimals <br> - Solve equations and inequalities with rational numbers <br> - Identify subsets of real numbers |  | 8.N.1.1. (Comprehension) <br> Represent numbers in a variety of forms and identify the subsets of rational numbers. <br> 8.N.2.1.(Application) Read, write, and compute within any subset of rational numbers. <br> 8.N.3.1.(Application) Use various strategies to solve multi-step problems involving rational numbers. |




|  |  |  | 8.S.1.2. (Application) Use a <br> variety of visual <br> representations to display data <br> to make comparisons and <br> predictions. |  |
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| May |  |  |  |  |
|  |  | Solving Equations | - Solving 2-step equations <br> - Solving multi-step equations <br> - Solving equations with the variable on both sides <br> - Solving and graphing multi-step inequalities |  |

