

## Mathematics Algebra 1

| <b>Algebra 1</b>                     | <b>Quarter 1</b>   | <b>Quarter 2</b>  | <b>Quarter 3</b>   | <b>Quarter 4</b>  |
|--------------------------------------|--|---|--|---|
| <b>Units</b>                         | <b>Real Numbers<br/>Linear Equations</b>   | <b>Relations,<br/>functions, and<br/>their graphs</b>   | <b>Linear<br/>Inequality<br/>Systems</b>   | <b>Polynomials</b>  |
| <b>Strands<br/>(Revised<br/>MLR)</b> | B. Data:<br>Data Analysis: 3.b.<br>D. Algebra:<br>Equations and<br>Inequalities: 13.c.   | D. Algebra:<br>Functions and<br>Relations <sup>12</sup>   | D. Algebra:<br>Equations and<br>Inequalities: 13<br>d, e, and f<br>13.a  | D. Algebra:<br>Symbols and<br>Expressions: 11   |
| <b>Activities</b>                    | <b>Use Glencoe Mathematics <i>Algebra 1</i>, 2005 Text Resources</b>   |   |  |   |
| <b>Assessments</b>                   | Book Tests:<br>Chapters 1, 2, and 3  | Book Tests<br>Chapters 4 and 5  | Book Tests:<br>Chapters 6 and 7  | <b>Book Test</b><br>Chapter 8   |
| <b>Vocabulary</b>                    | Coefficient<br>Coordinate system<br>Counter example<br>Deductive<br>reasoning<br>Dependent variable<br>Domain<br>Equation<br>Function<br>Hypothesis<br>Independent<br>variable<br>Inequality<br>Like terms<br>Order of operations<br>Power<br>Range<br>Variables<br>Absolute value<br>Additive inverses<br>Frequency<br>Integers<br>Irrational numbers<br>Line plot<br>Measures of central<br>tendency<br>Natural number<br>Odds<br>Perfect Square<br>Probability<br>Rational number<br>Real number<br>Square root | Dilation<br>Function<br>Linear equation<br>Mapping<br>Origin<br>Quadrant<br>Reflection<br>Rotation<br>Standard form<br>Transformation<br>Translation<br>Vertical line test<br>Negative<br>correlation<br>Parallel lines<br>Perpendicular<br>lines<br>Point-slop form<br>Positive<br>correlation<br>Scatter plot<br>Slope<br>Slope-intercept<br>form | Division property<br>of Inequalities<br>Intersection<br>Multiplication<br>property of<br>inequalities<br>Set-builder<br>notation<br>Union<br>System of<br>equations<br>System of<br>inequalities | Binomial<br>Constant<br>Degree of<br>polynomial<br>FOIL method<br>Monomial<br>Polynomial<br>Scientific notation<br>Trinomial<br>Composite number<br>Factoring<br>Greatest common<br>factor (GCF)<br>Perfect square<br>trinomial |

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|                  | Stem and leaf plot<br>Whole number<br>Defining a variable<br>Proportion<br>Ratio<br>Rate |                  |                  |                  |
| <b>Resources</b> | Glencoe <i>Algebra 1</i><br>Chapters 1, 2, and 3   | Chapters 4 and 5 | Chapters 6 and 7 | Chapters 8 and 9 |