

# Unit Pacing Guide: Algebra 1 H

Content Area: **Math**  
Course(s): **Algebra 1H**  
Time Period:  
Length: **180 Days**  
Status: **Published**

## Unit Pacing Guides

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## Belleville Public Schools Unit Pacing Guide

**Content Area: Mathematics**

**Course(s): Algebra 1 H**

**Time Period: Sept. - June**

**Division of Units / Topics:**

| <b>Expressions , Equations, &amp; Linear Relationships</b><br>Topic - Textbook Section - Curricular Unit(s) | <b>MP 1 - Expressions &amp; Equations</b><br><br>(41+ Days) |
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| Review : Writing Equations - 2.1 - Unit 1   |   |
| Solving One-Step Equations - 2.2 - Unit 1   |   |
| Solving Multi-Step Equations - 2.3 - Unit 1   |   |
| Solving Equations with the Variable on Each Side - 2.4 - Unit 1   |   |
| Ratios & Proportions - 2.6 - Unit 1   |   |
| Percent of Change - 2.7 - Unit 1  |   |
| Graphing Linear Equations - 3.1 - Unit 3  |   |
| Solving Linear Equations by Graphing - 3.2 -  |   |

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| Unit 3<br><br>Rate of Change and Slope - 3.3 - Unit 3<br><br>Literal Equations - 2.8 - Unit 1<br><br>Relations - 1.6 - Unit 5<br><br>Functions - 1.7 - Unit 5<br><br>Solving Inequalities by Addition & Subtraction - 5.1 - Unit 2<br><br>Solving Inequalities by Multiplication & Division - 5.2 - Unit 2<br><br>Solving Multi-Step Inequalities - 5.3 - Unit 2<br><br>Solving Compound Inequalities - 5.4 - Unit 2<br><br>Solving Equations Involving Absolute Value - 2.5 - Unit 2   |   |
| <p style="text-align: center;"><b>Linear Relationships</b></p><br>Topic - Textbook Section - Curricular Unit(s)<br><br>Graphing Equations in Slope Intercept Form - 4.1 - Unit 3<br><br>Writing Equations in Slope-Intercept Form - 4.2 - Unit 3<br><br>Investigate relationships between quantities by using a Scatterplot -4.5- Unit 3<br><br>Write Equations of best-fit lines using linear regression - 4.6- Unit 3<br><br>Graph Linear Inequalities - 5.6 - Unit 4<br><br>Solve Systems of Equations by Graphing - 6.1 - Unit 4<br><br>Solve Systems of Equations by using | <p style="text-align: center;"><b>MP 2 - Linear Relationships</b></p> <p style="text-align: center;">(43+ Days)</p> |

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| <p>Substitution - 6.2- Unit 4</p> <p>Solve Systems of Equations using Elimination with Addition &amp; Subtraction- 6.3 - Unit 4</p> <p>Solve System of Equations using Elimination with Multiplication - 6.4 - Unit 4</p>  |  |
| <p><b>Linear, Quadratic, &amp; Exponential Relationships</b></p> <p>Topic - Textbook Section - Curricular Unit(s)</p> <p>Solve Inequalities by Graphing - 6.6 - Unit 4</p> <p>Interpreting Graphs of Functions - 1.8 - Unit 5</p> <p>Analyze and Graph Quadratic Functions - 9.1 - Unit 5</p> <p>Solve Quadratic Equations by Graphing - 9.2 - Unit 5</p> <p>Transformation of Quadratic Functions - 9.3 - Unit 5</p> <p>Identify and Graph piecewise, absolute value and step functions - 9.7 - Unit 5</p> <p>Graph and Identify Exponential Functions - 7.5 - Unit 5</p> <p>Exponential Growth and Decay(Graphing Calculator) - 7.6 - Unit 5</p> <p>Multiplication and Division Properties of Exponents - 7.1 &amp; 7.2 - Unit 6</p> | <p><b>MP 3- Linear, Quadratic, &amp; Exponential Relationships</b></p> <p>(43+ Days)</p> |
| <p><b>Polynomials, Quadratic Equations, and Radicals</b></p> <p>Topic - Textbook Section - Curricular Unit(s)</p> <p>Adding and Subtracting Polynomials - 8.1 - Unit 6</p> <p>Solve Equations Using Multiplication of Monomials and Polynomials - 8.2 - Unit 6</p> <p>Multiply Polynomials using the Distributive</p>  | <p><b>MP 4- Polynomials, Quadratic Equations, and Radicals</b></p> <p>(43+ Days)</p>     |

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| <p>Property - 8.3 - Unit 6</p> <p>Factor Polynomials and Solve Equations<br/> <math>ax^2 + bx = 0</math> - 8.5- Unit 6</p> <p>Factor Trinomials and Solve Equations <math>x^2 + bx + c = 0</math> - 8.6- Unit 6</p> <p>Factor Polynomials and Solve Equations<br/> <math>ax^2 + bx + c = 0</math> - 8.7- Unit 6</p> <p>Diifference of Squares - 8.8 - Unit 6</p> <p>Quadratic Formula - 9.5 - Unit 7</p> <p>Simplify Radical Expressions - 10.1 - Unit 7</p> <p>Add, Subtract &amp; Multipli Radical<br/> Expressions - 10.3 - Unit 7</p> <p>Apply the Pythagorean Theorem to solve<br/> problems involving right triangles -10.5 -<br/> Unit 7</p> |  |
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