

Unit Pacing Guide: Algebra 1 H Copied from: Algebra 1H, Copied on: 02/21/22

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

Unit Pacing Guides



Belleville Public Schools Unit Pacing Guide

Content Area: Mathematics

Course(s): Algebra 1 H

Time Period: Sept. - June

Division of Units / Topics:

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

Graphing Linear Equations - 3.1 - Unit 3

Solving Linear Equations by Graphing - 3.2 - Unit 3

Rate of Change and Slope - 3.3 - Unit 3

Literal Equations - 2.8 - Unit 1

Relations - 1.6 - Unit 5

Functions - 1.7 - Unit 5

Solving Inequalities by Addition & Subtraction - 5.1 - Unit 2

Solving Inequalities by Multiplication & Division - 5.2 - Unit 2

Solving Multi-Step Inequalities - 5.3 - Unit 2

Solving Compound Inequalities - 5.4 - Unit 2

Solving Equations Involving Absolute Value - 2.5 - Unit 2

Linear Relationships

Topic - Textbook Section - Curricular Unit(s)

Graphing Equations in Slope Intercept Form - 4.1 - Unit 3

Writing Equations in Slope-Intercept Form - 4.2 - Unit 3

Investigate relationships between quantities by using a Scatterplot -4.5- Unit 3

Write Equations of best-fit lines using linear regression - 4.6- Unit 3

Graph Linear Inequalities - 5.6 - Unit 4

Solve Systems of Equations by Graphing - 6.1 - Unit 4

Solve Systems of Equations by using

MP 2 - Linear Relationships

(43+ Days)

| | |
|--|--|
| <p>Substitution - 6.2- Unit 4</p> <p>Solve Systems of Equations using Elimination with Addition & Subtraction- 6.3 - Unit 4</p> <p>Solve System of Equations using Elimination with Multiplication - 6.4 - Unit 4</p> | |
| <p style="text-align: center;">Linear, Quadratic, & Exponential Relationships</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 & 7.2 - Unit 6</p> | <p style="text-align: center;">MP 3- Linear, Quadratic, & Exponential Relationships</p> <p style="text-align: center;">(43+ Days)</p> |
| <p style="text-align: center;">Polynomials, Quadratic Equations, and Radicals</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 Property - 8.3 - Unit 6</p> <p>Factor Polynomials and Solve Equations ax^2</p> | <p style="text-align: center;">MP 4- Polynomials, Quadratic Equations, and Radicals</p> <p style="text-align: center;">(43+ Days)</p> |

+ $bx = 0$ - 8.5- Unit 6

Factor Trinomials and Solve Equations $x^2 + bx + c = 0$ - 8.6- Unit 6

Factor Polynomials and Solve Equations $ax^2 + bx + c = 0$ - 8.7- Unit 6

Diifference of Squares - 8.8 - Unit 6

Quadratic Formula - 9.5 - Unit 7

Simplify Radical Expressions - 10.1 - Unit 7

Add, Subtract & Multipli Radical Expressions - 10.3 - Unit 7

Apply the Pythagorean Theorem to solve problems involving right triangles -10.5 - Unit 7