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: Mathmatics

Course(s): Algebra 1 H

Time Period: Sept. - June

Division of Units / Topics:

Expressions , Equations, & Linear Relationships Topic - Textbook Section - Curricular Unit(s) 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	**MP 1 - Expressions & Equations** (41+ Days)

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 Inequalitites - 5.6 - Unit 4 Solve Systems of Equations by Graphing -	**MP 2 - Linear Relationships** (43+ Days)

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

Monomials and Polynomials - 8.2 - Unit 6 Multiply Polynomials using the Distributive Property - 8.3 - Unit 6 Factor Polynomials and Solve Equations ax^2 + 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 Diiference 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	