Pacing Guide Algebra 1A

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

Unit Pacing Guide

Belleville Public Schools Unit Pacing Guide

Content Area: Mathematics
Course(s): Algebra 1A
Time Period: September - June

Division of Units / Topics:

MP 1 - Expressions , Equations, & Linear Relationships

41+ days

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 - 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

MP 2 - Linear Relationships

43+ days

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 - 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

MP 3- Linear, Quadratic, & Exponential Relationships

43+ days

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 4- Polynomials, Factoring & Quadratic Equations

43+ days

Topic - Textbook Section- Curricular Unit

Adding and Subtracting Polynomials - 8.1 - Unit 6

Solve Equations Iusing Multiplication of 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