# Pacing Guide Algebra 1A <br> Content Area: Course(s): Time Period: Length: Status: 

## 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

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

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43+\text { days }
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Graphing Equations in Slope Intercept Form - 4.1 - 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 <br> 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

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

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43+\text { days }
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## 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 $\mathrm{ax}^{\wedge} 2+\mathrm{bx}=0-8.5$ - Unit 6

Factor Trinomials and Solve Equations $x^{\wedge} 2+b x+c=0-8.6$ - Unit 6

Factor Polynomials and Solve Equations $\mathrm{ax}^{\wedge} 2+\mathrm{bx}+\mathrm{c}=0-8.7$ - Unit 6

Diiference of Squares - 8.8-Unit 6

Quadratic Formula - 9.5-Unit 7

Simplify Radical Expressions - 10.1-Unit 7

