

Pacing Guide - Algebra 1 A

Content Area: **Math**
Course(s): **Sample Course, Algebra 1**
Time Period: **Sample Time Period**
Length: **September - June**
Status: **Published**

Unit Pacing Guides



Belleville Public Schools Unit Pacing Guide

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

Division of Units / Topics:

MP 1 - Expressions & Equations	MP 1 - Expressions & Equations
Topic - Textbook Section - Curricular Unit(s) Writing Equations - 2.1 - Unit 1 Solving One-Step Equations - 2.2 - Unit 1 Solving Multi-Step Equations - 2.3 - Unit 1	9-10 W

Ratios & Proportions - 2.6 - Unit 1

Percent of Change - 2.7 - Unit 1

Solving Equations with the Variable on Each Side - 2.4 - Unit 1

Literal Equations - 2.8 - Unit 1

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

PARCC practice- <https://www.state.nj.us/education/aps/cccs/math/resources.htm>

MP 2 - Linear Relationships

Topic - Textbook Section - Curricular Unit(s)

Relations - 1.6 - Unit 5

Functions - 1.7 - Unit 5

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

Graphing Equations in Slope Intercept Form - 4.1 - Unit 3

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

Scatterplots, Graphing with Technology - Unit 3

<https://www.desmos.com/>

MP 2 - Line
9-10 W

MP 3- Linear, Quadratic, & Exponential Relationships

Topic - Textbook Section - Curricular Unit(s)

Solve Systems of Equations by Graphing - 6.1 - 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

Graph Linear Inequalities - 5.6 - Unit 4

Solve Inequalities by Graphing - 6.6 - Unit 4

Analyze and Graph Quadratic Functions - 9.1 - Unit 5

Solve Quadratic Equations by Graphing - 9.2 - Unit 5

Graph and Identify Exponential Functions - 7.5 - Unit 5

Exponential Growth and Decay(Graphing Calculator) - 7.6 - Unit 5

MP 3- Linear, Quadratic

9-10 W

MP 4- Polynomials, Factoring & Quadratic Equations

Topic - Textbook Section- Curricular Unit

Multiplication Properties of Exponents - 7.1 - Unit 6

Division Properties of Exponents - 7.2 - Unit 6

Adding and Subtracting Polynomials - 8.1 - Unit 6

Solve Equations Using Multiplication of Monomials and Polynomials - 8.2 - Unit 6

MP 4- Polynomials, Fac

9-10 W

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

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

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