Algebra 1 Level A and B Pacing Guide
Updated August 2024

Marking Period 1:

Unit 1: Solving Linear Equations

1.1 Solving simple equations
1.2 Solving multi-step equations
1.5 Solving equations with variables on both sides
1.7 Rewriting equations and formulas

Unit 2: Solving Linear Inequalities

2.1 Writing and graphing inequalities
2.2 Solving inequalities using addition or subtraction
2.3 Solving inequalities using multiplication or division
2.4 Solving multi-step inequalities
1.6 Solving absolute value equations

Unit 3: Graphing LInear functions

3.1 Functions
3.2 Characteristics of Functions
3.3 Linear Functions
3.4 Function Notation

Marking Period 2

Unit 3: Graphing LInear functions

3.5 Graphing Linear Equations in standard form
3.6 Graphing Linear equations in Slope-intercept form
3.8 Graphing Absolute Value Functions

Unit 4: Writing Linear functions

4.1 Writing Equations in Slope-Intercept form
4.2 Writing equations in point-slope form
4.3 writing equations of parallel and perpendicular lines

Unit 5: Solving Systems of LInear equations

5.1 Solving systems of linear equations by graphing
5.2 Solving systems of linear equations by substitution
5.3 Solving systems of linear equations by elimination
5.4 Solving special systems of linear equations
5.6 graphing linear inequalities in two variables
5.7 Systems of linear inequalities

Unit 7: Polynomial Equations and Factoring

7.1 Adding and subtracting Polynomials
7.2 Multiplying and dividing polynomials
7.3 Special products of polynomials

Marking Period 3

Unit 7: Polynomial Equations and Factoring

7.4 Solving polynomial equations in factored form

7.5 Factoring $x^2 + bx + c$

7.6 Factoring $ax^2 + bx + c$

7.7 Factoring special products

7.8 Factoring polynomials completely

Unit 8: Graphing quadratic functions

8.1 Graphing $f(x) = ax^2$

8.2 Graphing $f(x) = ax^2 + c$

8.3 Graphing $f(x) = ax^2 + bx + c$

8.4 Graphing $f(x) = a(x - h)^2 + k$

8.5 Using intercept form

Unit 9: Solving Quadratic Equations

9.1 Properties of radicals

9.2 Solving quadratic equations by graphing

9.3 Solving quadratic equations by using square roots

9.4 solving quadratic equations by completing the square (optional)

9.5 Solving quadratic equations by using the quadratic formula

Marking Period 4

Unit 6: Exponential functions and sequences

6.1 Properties of exponents (optional)

6.2 Radicals and rational exponents (optional)

6.3 Exponential Functions

6.4 Exponential Growth and Decay

6.6 Geometric Sequences

Unit 11: Data Analysis and Displays

11.1 Measure of center and variation

11.2 Box and whiskers plot

11.3 Shapes of distributions

11.4 Two way tables

11.5 Choosing a data display