

Algebra 1 (1200310) – Pacing Guide

2022-2023

Text – McGraw Hill Florida Reveal Algebra 1

The days allotted are for a daily schedule. Adjust appropriately if you are on a block schedule.

Quarter 1 – August 10 – October 7, 2022 (42 days)				
	Module 0 Foundations for Algebra 1			Classes
	Chapter 0 file	These sections provide optional material to review and activate prior knowledge of middle school foundations as well as some of the Bridge to Best activities		3
Lesson	Module 1 Writing and Solving Equations	Focus Benchmarks	Connecting Benchmarks	Classes
1-1	Writing and Interpreting Equations	MA.912.AR.2.1	MA.912.AR.1.1 MA.912.AR.1.2	4
1-2	Solving Multi-Step Equations			
1-3	Solving Equations with the variable on each side			
1-4	Solving Equations using Absolute Value	MA.912.AR.4.1	MA.912.AR.2.1	1
1-5	Solving Proportions	MA.912.AR.1.2 MA.912.DP.1.4	MA.912.AR.2.1	1
1-6	Rearranging Formulas	MA.912.AR.1.2	MA.912.AR.1.1	2
	Review, Enrichment, assessments			5
Total Days				13
Lesson	Module 2 Graphs and Functions	Focus Benchmarks	Connecting Benchmarks	Classes
2-1	Functions	MA.912.F.1.2	MA.912.F.1.6	1
2-2	Linearity and Continuity of Graphs	MA.912.AR.2.5 MA.912.F.1.1	MA.912.F.1.6	1
2-3	Intercepts of Graphs	MA.912.AR.2.5	MA.912.AR.2.1	2
2-4	Shapes of Graphs	MA.912.F.1.5 MA.912.F.1.6	MA.912.AR.3.8	2
2-5	Sketching Graphs and Comparing Functions	MA.912.AR.2.5 MA.912.F.1.5 MA.912.F.1.6	MA.912.AR.2.1	2
	Review, Enrichment, assessments			5
Total Days				13

Lesson	Module 3 Linear and Absolute Value Functions	Focus Benchmarks	Connecting Benchmarks	Classes
3-1	Graphing Linear Functions	<u>MA.912.AR.2.4</u> <u>MA.912.AR.2.5</u>	<u>MA.912.AR.2.1</u>	1
3-2	Rate of Change and Slope	<u>MA.912.F.1.3</u>	<u>MA.912.F.1.1</u>	1
3-3	Slope-Intercept Form	<u>MA.912.AR.2.2</u> <u>MA.912.AR.2.4</u> <u>MA.912.AR.2.5</u>	<u>MA.912.AR.1.2</u> <u>MA.912.F.1.3</u> <u>MA.912.F.1.5</u>	2
3-4	Transformations of Linear Functions	<u>MA.912.F.2.1</u>	<u>MA.912.AR.2.5</u>	1
3-5	Simple Interest	<u>MA.912.FL.3.2</u> <u>MA.912.FL.3.4</u>	<u>MA.912.AR.2.5</u>	1
3-6	Absolute Value Functions	<u>MA.912.F.2.1</u> <u>MA.912.AR.4.3</u>	<u>MA.912.AR.1.1</u>	1
	Review, Enrichment, assessments			5
Total Days				12
Required district Q1 exam				1
<i>Total first quarter</i>				42

Quarter 2 – October 11 – December 20, 2022 (45 days)

Lesson	Module 4 – Equations of Linear Functions	Focus Benchmarks	Connecting Benchmarks	Classes
4-1	Writing Equations in Slope-Intercept Form	<u>MA.912.AR.2.2</u>	<u>MA.912.AR.1.1</u> <u>MA.912.AR.2.5</u> <u>MA.912.F.1.3</u>	1
4-2	Writing Equations in Standard and Point-Slope Forms	<u>MA.912.AR.2.2</u> <u>MA.912.AR.2.3</u>	<u>MA.912.AR.1.2</u> <u>MA.912.AR.2.4</u> <u>MA.912.AR.2.5</u> <u>MA.912.F.1.3</u>	2
4-3	Scatter Plots and Lines of Fit	<u>MA.912.AR.2.2</u> <u>MA.912.AR.2.5</u> <u>MA.912.DP.2.4</u>	<u>MA.912.F.1.3</u> <u>MA.912.DP.1.1</u>	2
4-4	Correlation and Causation	<u>MA.912.DP.1.3</u>	<u>MA.912.DP.1.2</u>	1
4-5	Linear Regression	<u>MA.912.DP.2.4</u> <u>MA.912.DP.2.6</u>	<u>MA.912.AR.2.5</u>	1
	Review, Enrichment, assessments			7
Total Days				14
Lesson	Module 5 Linear Inequalities	Focus Benchmarks	Connecting Benchmarks	Classes
5-1	Solving one-Step Inequalities	<u>MA.912.AR.2.6</u>	<u>MA.912.AR.1.1</u>	2
5-2	Solving Multi-Step Inequalities	<u>MA.912.AR.2.6</u>	<u>MA.912.AR.1.1</u>	1
5-3	Solving Compound Inequalities	<u>MA.912.AR.2.6</u>	<u>MA.912.AR.1.1</u>	2
5-5	Graphing Inequalities in Two Variables	<u>MA.912.AR.2.7</u> <u>MA.912.AR.2.8</u>	<u>MA.912.AR.2.2</u>	1
	Review, Enrichment, assessments			5
Total Days				11

Lesson	Module 6 Systems of Linear Equations and Inequalities	Focus Benchmarks	Connecting Benchmarks	Classes
6-1	Solving Systems of Equations by Graphing	MA.912.AR.9.1 MA.912.AR.9.6	MA.912.AR.2.1	2
6-2	Substitution	MA.912.AR.9.1 MA.912.AR.9.6	MA.912.AR.1.2	1
6-3	Elimination using Addition and Subtraction	MA.912.AR.9.1 MA.912.AR.9.6	MA.912.AR.1.3	1
6-4	Elimination Using Multiplication	MA.912.AR.9.1 MA.912.AR.9.6	MA.912.AR.1.3	1
6-5	Systems of Inequalities	MA.912.AR.9.4 MA.912.AR.9.6	MA.912.AR.2.7 MA.912.AR.2.8	2
	Review, Enrichment, assessments			5
Total Days				12
First Semester District SAE - Exam week and review December 14-20 (5 days) (90 – 100 minutes for exam)				5
Flex Days				3
Total days in Quarter 2				45

Quarter 3 – January 5 – March 10, 2023 (45 days)

Spring Break March 13 – 17

Lesson	Module 7 Exponents and Roots	Focus Benchmarks	Connecting Benchmarks	Classes
7-1	Multiplication Properties of Exponents	MA.912.NSO.1.2	MA.912.AR.1.1	2
7-2	Division Properties of Exponents	MA.912.NSO.1.2	MA.912.AR.1.1	1
7-3	Negative Exponents	MA.912.NSO.1.2	MA.912.AR.1.1	1
7-4	Rational Exponents	MA.912.NSO.1.1 MA.912.NSO.1.2	MA.912.AR.1.1	1
7-5	Simplifying Radical Expressions	MA.912.NSO.1.4	MA.912.NSO.1.2	2
7-6	Operations with Radical Expressions	MA.912.NSO.1.4	MA.912.NSO.2.2	2
	Review, Enrichment, assessments			5
Total Days				14
Lesson	Module 8 Exponential Functions	Focus Benchmarks	Connecting Benchmarks	Classes
8-1	Exponential Functions	MA.912.AR.5.3 MA.912.F.1.1	MA.912.F.1.6	1
8-2	Interpreting Graphs of Exponential Functions	MA.912.AR.1.1 MA.912.AR.5.3 MA.912.AR.5.6	MA.912.F.1.6	1
8-3	Writing Exponential Functions	MA.912.AR.5.4 MA.912.AR.5.6	MA.912.AR.5.3	2
8-4	Compound Interest	MA.912.FL.3.2 MA.912.FL.3.4	MA.912.AR.5.4	1
8-5	Transforming Exponential Expressions	MA.912.AR.1.1	MA.912.FL.3.2	1
	Review, Enrichment, assessments			6
Total Days				12

Lesson	Module 9 Polynomials	Focus Benchmarks	Connecting Benchmarks	Classes
9-1	Adding and Subtracting Polynomials	MA.912.AR.1.1 MA.912.AR.1.3	MA.912.NSO.1.1	2
9-2	Multiplying Polynomials by Monomials	MA.912.AR.1.3	MA.912.AR.1.1	1
9-3	Multiplying Polynomials	MA.912.AR.1.3	MA.912.NSO.1.2	1
9-4	Special Products	MA.912.AR.1.3	MA.912.AR.1.2	2
9-5	Using the Distributive Property	MA.912.AR.1.7	MA.912.AR.1.4	1
9-6	Factoring Quadratic Trinomials	MA.912.AR.1.7	MA.912.AR.1.1	2
9-7	Factoring Special Products	MA.912.AR.1.7	MA.912.AR.1.1	1
9-8	Dividing Polynomials	MA.912.AR.1.4	MA.912.AR.1.1	2
	Review, Enrichment, assessments			6
Total Days				18
Required district Q3 exam				1
Total days in Quarter 3				45

Quarter 4 – March 20 – May 23 (46 days)

Lesson	Module 10 Quadratic Functions	Focus Benchmarks	Connecting Benchmarks	Classes
10-1	Graphing Quadratic Functions	MA.912.AR.3.6 MA.912.AR.3.7 MA.912.AR.3.8 MA.912.F.1.6	MA.912.F.1.5	1
10.2	Transformations of Quadratic Functions	MA.912.AR.1.1 MA.912.F.2.1	MA.912.AR.3.6	2
10-3	Solving Quadratic Equations by Graphing	MA.912.AR.3.1 MA.912.AR.3.6 MA.912.AR.3.8	MA.912.AR.3.7	1
10-4	Solving Quadratic Equations by Factoring	MA.912.AR.3.1 MA.912.AR.3.4 MA.912.AR.3.5 MA.912.AR.3.6 MA.912.AR.3.7	MA.912.AR.1.2 MA.912.AR.3.8	2
10-5	Solving Quadratic Equations by Completing the Square	MA.912.AR.3.1 MA.912.AR.3.6 MA.912.AR.3.7 MA.912.AR.3.8	MA.912.AR.1.2	1
10-6	Solving Quadratic Equations by Using the Quadratic Formula	MA.912.AR.3.1 MA.912.AR.3.6	MA.912.AR.1.1	1
10-7	Modeling and Curve Fitting	MA.912.F.1.1 MA.912.F.3.1	MA.912.AR.3.4	1
	Review, Enrichment, assessments			6

Total Days

16

Lesson	Module 11 Represent and Interpret Data	Focus Benchmarks	Connecting Benchmarks	Classes
11-1	Univariate Data	MA.912.DP.1.1 MA.912.DP.1.2	MA.7.DP.1.5	2
11-2	Two-Way Frequency Tables	MA.912.DP.3.1	MA.912.DP.1.2	2
11-3	Bivariate Data	MA.912.DP.1.1 MA.912.DP.1.2	MA.8.DP.1.1	1
11-4	Distributions of Data	MA.912.DP.1.2	MA.912.DP.1.1	1
11-5	Comparing Sets of Data	MA.912.DP.1.2	MA.912.DP.1.1	1
	Review, Enrichment, assessments			6

Total Days

13

EOC review days May 1 – May 5 (5 days)

EOC Testing Window – May 8– May 12 (5 days)

Post EOC project, Flex (7 days)

