

Desoto County School District 2019-2020
Algebra I (Traditional) Pacing Guide Calendar

			Aug. 1	2 Teachers Return
5 Professional Development	6 Professional Development	7 Students Return	8 Review Basic Skills	9 Review Basic Skills
12 Review Basic Skills	13 Review Basic Skills	14 Review Basic Skills	15 Closure/Review	16 Basic Skills Test
19 1.1.1 Solving Problems in Teams	20 1.2.1 Describing a Graph	21 1.2.2 Cube Root and Absolute Value Functions	22 1.2.3 Function Machines	23 1.2.4 Functions
26 1.2.5 Domain and Range	27 Recognize Even/Odd Functions from Graphs & Expressions*	28 Recognize Even/Odd Functions from Graphs & Expressions*	29 Ch. 1 Closure/Review	30 Chapter 1 Test
Sept. 2 Labor Day: No School	3 2.1.1 Seeing Growth in Linear Representations	4 2.1.2 Slope	5 2.1.3 Comparing Δy and Δx	6 2.1.3 Comparing Δy and Δx
9 2.1.4 $y = mx + b$ and More on Slope	10 2.1.4 $y = mx + b$ and More on Slope	11 2.2.1 Slope as Motion	12 2.2.1 Slope as Motion	13 2.2.2 Rate of Change
16 2.2.2 Rate of Change	17 2.2.3 Equations of Lines in Situations	18 2.2.3 Equations of Lines in Situations	19 Closure/Quiz 2.1 & 2.2	20 2.3.1 Finding an Equation Given a Slope and a Point
23 2.3.1 Finding an Equation Given a Slope and a Point	24 2.3.2 Finding the Equation of Line Through Two Points	25 2.3.2 Finding the Equation of Line Through Two Points	26 Ch. 2 Closure/Review	27 Chapter 2 Test
30 Review for Exam	Oct. 1 Review for Exam	2 Review for Exam	3	4 1 st Nine Weeks Exam

Essential Focus:

Describe graphs including linear, quadratic, absolute value, and exponential functions, using key words such as intercepts, minima, maxima, vertex, symmetry, intervals where the function is increasing, decreasing, positive or negative and determine the domain and range of such functions.

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Oct. 7 3.1.1 Simplifying Exponential Expressions	8 3.1.2 Zero/Negative/Fractional Exponents*	9 3.2.1 or *Alt. Lesson Equations \leftrightarrow Algebra Tiles (Tiles Optional) *Combining Like Terms (End of 1st Nine Weeks)	10 3.2.2 Represent Polynomial Operations with Area Models* (Tiles Optional)	11 3.2.2 Represent Polynomial Operations with Area Models* (Tiles Optional)
14 Columbus Day: No School	15 3.2.3 Multiplying Binomials and the Distributive Property	16 3.2.4 Using Generic Rectangles to Multiply	17 Closure/Quiz 3.1 & 3.2	18 3.3.1 Solving Equations with Multiplication and Absolute Value
21 3.3.1 Solving Equations with Multiplication and Absolute Value	22 3.3.2 Working with Multi-Variable Equations (incl. Fraction Busters)*	23 Summary of Solving Equations (incl. Fraction Busters)*	24 Ch. 3 Closure/Review	25 Chapter 3 Test
28 4.1.1 Case 21 Window Opens Solving Word Problems by Writing Equations	29 4.1.1 Solving Word Problems by Writing Equations	30 4.1.2 One Equation or Two?	31 4.1.2 One Equation or Two?	Nov. 1 4.2.1 Case 21 Window Closes Solving Systems of Equations Using Substitution
4 4.2.1 Solving Systems of Equations Using Substitution	5 Professional Development	6 4.2.2 Making Connections: Systems, Solutions, and Graphs	7 4.2.2 Making Connections: Systems, Solutions, and Graphs	8 Closure/Quiz 4.1, 4.2.1 & 4.2.2
11 4.2.3 Solving Systems Using Elimination	12 4.2.3 Solving Systems Using Elimination	13 4.2.4 More Elimination (include word problems)	14 4.2.5 Choosing a Strategy for Solving Systems	15 4.2.5 Choosing a Strategy for Solving Systems
18 4.2.5 Choosing a Strategy for Solving Systems	19 4.3.1 Putting it all Together	20 Ch. 4 Closure/Review	21 Chapter 4 Test	22 5.1.1 Representing Exponential Growth

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25 Thanksgiving Holiday	26 Thanksgiving Holiday	27 Thanksgiving Holiday	28 Thanksgiving Holiday	29 Thanksgiving Holiday
Dec. 2 5.1.2 Rebound Ratios	3 5.1.3 The Bouncing Ball and Exponential Decay	4 5.2.1 Generating and Investigating Sequences	5 5.2.2 Generalizing Arithmetic Sequences	6 5.3.1 Patterns of Growth in Tables and Graphs
9 5.3.2 Using Multipliers to Solve Problems	10 5.3.3 Comparing Sequences to Functions	11 Ch. 5 Closure/Review	12 Chapter 5 Test	13 Review for Exam
16 Review for Exam	17 Review for Exam	18 Review for Exam	19 20 Semester Exams	

Basic Skills to review could include but are not limited to the following:

- Evaluate algebraic expressions, including those with exponents, absolute value, perfect square roots, and perfect cube roots (First 5 perfect cubes).
- Solve one-variable linear equations and inequalities.
- Differentiate among rational, irrational and real numbers.
- Perform operations on rational expressions.
- Plot ordered pairs on a coordinate plane.

*Indicates the lesson was adjusted or a change in sequence.

Notes:

- Section 10.2 (Complex Equations) can be incorporated when teaching Section 3.3.3.
- Chapter 2 can be assessed on the 9 Week Exam. Chapter 5 can be assessed on the Semester Exam.
- Some chapters/sections were omitted due to time constraints and/or standards not included in MS CCRS for Algebra I, therefore teachers must preview homework questions to be sure no problems are assigned from an omitted chapter/section.

This pacing calendar follows the CPM Algebra I Textbook that the district has adopted as a resource to assist in teaching the MS College & Career Readiness Standards (MS CCRS) for Algebra I. The specific lessons addressed in this pacing guide are aligned to the set standards. However, this pacing guide is not meant to be an exhaustive list nor is it a list that limits how the standards are taught in the classroom. This is a sample pacing to help teachers with planning and a guide to understand the knowledge and skills that define the standards.

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		Jan. 1	2 Teachers Return	3 Professional Development
6 7.1.1 Students Return Investigating $y = b^x$	7 7.1.2 Multiple Representations of Exponential Functions	8 7.1.3 More Applications of Exponential Functions	9 7.1.4 Exponential Decay	10 7.1.5 Graph to Equation
13 7.1.6 Completing the Multiple Representations Web	14 Closure/Quiz 7.1	15 7.2.1 Curve Fitting*	16 7.2.2 More Curve Fitting	17 7.2.3 Solving a System of Exponential Functions Graphically
20 Martin L. King Holiday No School	21 Ch. 7 Closure/Review	22 Chapter 7 Test	23 8.1.1 Introduction to Factoring Quadratics	24 8.1.2 Factoring with Generic Rectangles
27 8.1.3 Factoring with Special Cases	28 8.1.4 Factoring Completely	29 8.1.5 Factoring Shortcuts	30 Closure/Quiz 8.1	31 8.2.1 Multiple Representations for Quadratic Functions
Feb. 3 8.2.2 Zero Product Property	4 8.2.3 More Ways to Find the x-Intercepts	5 8.2.4 Completing the Quadratic Web	6 8.2.5 Completing the Square	7 Closure/Quiz 8.2
10 9.1.1* Solving Quadratic Equations	11 9.1.2* Introduction to the Quadratic Formula	12 9.1.3* More Solving Quadratic Equations	13 9.1.4* Choosing a Strategy	14 9.1.4* Choosing a Strategy
17 President's Day No School	18 Ch. 8 & 9.1 Closure/Review	19 Chapter 8 Test* (incl. Section 9.1)	20 9.2.1 Solving Linear, One-Variable Inequalities	21 9.2.2 More Solving Inequalities
24 9.3.1 Graphing Two-Variable Inequalities Case 21 Window Opens	25 9.3.2 Graphing Linear and Non-Linear Inequalities	26 Closure/Quiz 9.2 & 9.3	27 9.4.1 Systems of Inequalities	28 9.4.2 More Systems of Inequalities
Mar. 2 9.4.3 Applying Inequalities to Solve Problems	3 Closure/Quiz 9.4	4 Chapter 9 Test	5 3 rd Nine Weeks Exam	6 Case 21 Window Closes

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Mar. 16 10.2.6* More Solving and an Application	17 10.2.6* More Solving and an Application (End of 3rd Nine Weeks)	18 10.3.1* Intersection of Two Functions	19 10.3.2* Number of Parabola Intersections	20 10.3.3* Summary of Solving Equations
23 Ch. 10 Closure/Review	24 Chapter 10 Test	25 11.1.1 Transforming Functions	26 11.1.1 Transforming Functions	27 11.2.2 Comparing Data
30 11.2.3 Standard Deviation	31 10.1.1 Association of Two-Way Tables	Apr. 1 10.1.1 Association of Two-Way Tables	2 Ch. 11 & 10.1.1 Closure/Review*	3 Chapter 11 & 10.1 Test
6 6.1.1 Line of Best Fit	7 6.1.4 Least Squares Regression Line	8 6.2.2 Correlation	9 6.2.3 Association is Not Causation	10 Good Friday No School
13 Easter Monday No School MAAP Window Opens	14 Ch. 6 Closure/Review	15 Chapter 6 Test	16 Review	17 Review
20	21 Review	22 Review	23 Review	24 Review
27 Review	28 Review	29 Review	30 Review	May 1 Review
4 Review	5 Review	6 Review	7 Review	8 Review
11 Review	12 Review	13 Review	14 Review	15 MAAP Window Closes
18 Review	19 Semester Exams	20 Semester Exams	21 Students Last Day	22 Teacher's Last Day

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- Supplemental resources have been added to the OneDrive to supplement lessons and to allow for additional practice.
- MAAP Test dates are tentative. Individual schools will decide exact test dates.
- Review days are built in to allow teachers the autonomy to adjust lessons, expand on particular concepts, visit computer lab, or to review sample items.

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SAMPLE

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