

MIAMI-DADE COUNTY PUBLIC SCHOOLS
District Pacing Guide

ALGEBRA I

Course Code: 120031001

YEAR-AT-A-GLANCE/CURRICULUM MAP

1 ST Nine Weeks	2 ND Nine Weeks	3 RD Nine Weeks	4 TH Nine Weeks
<p>I. Patterns in Mathematics A. Set Theory B. Tools of Algebra</p> <p>II. Algebraic Expressions and Equations A. Number Properties B. Algebraic Expressions C. One-variable Equations D. Real-world Applications</p> <p>III. Proportional Reasoning A. Rational Equations B. Direct Variation C. Real-world Applications</p>	<p>IV. Linear Equations and Functions A. Patterns in linear equations B. Identify Rates of Change C. Writing linear equations D. Graphing linear equations E. Solving linear functions F. Coordinate Geometry G. Model real-world situations using linear equations</p> <p>V. System of Linear Equations A. Solving a System of Linear Equations B. Writing a System of Linear Equations C. Modeling real-world applications using a system of Linear Equation</p>	<p>VI. Linear Inequalities A. One-variable inequalities B. System of Linear Inequalities</p> <p>VII. Functions A. Terminology B. Graphing Functions C. Absolute Value Functions D. Transformational Graphing E. Real-world Applications</p> <p>VIII. Study of Exponents A. Simplify Exponential Expressions B. Fit Data to Exponential Models C. Graph Exponential Functions</p>	<p>IX. Quadratic Equations and Functions A. Parent Function B. Forms of a Quadratic C. Radicals D. Solving Quadratic Equations</p> <p>X. Rational Expressions and Functions A. Rational Expressions B. Solving Rational Equations and function</p> <p>XI. Matrices A. Calculations B. Solving Systems of Linear Equations C. Transformations</p>
<p>Total Days Allotted for Instruction, Testing, and "Catch-Up" days: Traditional: 47; 24 Block Topic I: T:14/B:7 Topic II: T:19/B:10 Topic III: T:14/B:7</p>	<p>Total Days Allotted for Instruction, Testing, and "Catch-Up" days: Traditional: 45; 21 Block Topic IV: T:29/B:14 Topic V: T:16/B:8</p>	<p>Total Days Allotted for Instruction, Testing, and "Catch-Up" days: Traditional: 41; 20 Block Topic VI: T: 13/B:6 Topic VII: T:10/B:5 Topic VIII: T:18/B:9</p>	<p>Total Days Allotted for Instruction, Testing, and "Catch-Up" days: Traditional: 47; 23 Block Topic IX: T:18/B:9 Topic X: T:16/B:8 Topic XI: T:13/B:6</p>

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YEAR-AT-A-GLANCE BENCHMARKS

1 ST Nine Weeks	2 ND Nine Weeks	3 RD Nine Weeks	4 TH Nine Weeks
MA.912.D.7.1 MA.912.D.7.2 MA.912.A.1.1 MA.912.A.1.2 MA.912.A.3.1 MA.912.A.3.2 MA.912.A.3.3 MA.912.A.4.2 MA.912.A.5.1 MA.912.A.5.4 MA.912.A.10.1 MA.912.A.10.2	MA.912.A.2.3 MA.912.A.2.4 MA.912.A.2.13 MA.912.A.3.5 MA.912.A.3.7 MA.912.A.3.8 MA.912.A.3.9 MA.912.A.3.10 MA.912.A.3.11 MA.912.A.3.12 MA.912.A.3.13 MA.912.A.3.14 MA.912.A.3.15 MA.912.G.1.4	MA.912.A.3.4 MA.912.A.3.5 MA.912.A.3.12 MA.912.A.3.13 MA.912.A.3.14 MA.912.A.3.15 MA.912.A.2.3 MA.912.A.2.4 MA.912.A.2.13 MA.912.A.4.1 MA.912.A.10.1 MA.912.A.10.2	MA.912.A.1.8 MA.912.A.4.2 MA.912.A.4.3 MA.912.A.6.1 MA.912.A.6.2 MA.912.A.7.1 MA.912.A.7.2 MA.912.A.7.8 MA.912.A.7.10 MA.912.A.4.3 MA.912.A.4.4 MA.912.A.5.4 MA.912.A.3.15 MA.912.D.8.1 MA.912.D.8.2
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