

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
DISTRICT PACING GUIDE**

YEAR-AT-A-GLANCE

M/J MATHEMATICS 1		Course Code: 120501001	
1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks
<p>I. Data Analysis and Statistical Methods</p> <ul style="list-style-type: none"> A. Tables and Graphs B. Measures of Central Tendency C. Real-world Problem Solving <p>II. Coordinate Geometry and Algebraic Relationships</p> <ul style="list-style-type: none"> A. Coordinate System B. Tables and graphs <p>III. Representing Numbers</p> <ul style="list-style-type: none"> A. Compare and Order B. Number line C. Relationships among D. Exponents E. Scientific Notation F. Absolute Value <p>IV. Operations</p> <ul style="list-style-type: none"> A. Effect of four basic operations on: B. Use of Properties of real numbers <p>V. Operations</p> <ul style="list-style-type: none"> A. Apply order of operations B. Real -World Problem Solving <p>VI. Estimation</p> <ul style="list-style-type: none"> A. Estimation Techniques B. Estimate Results <p>VII. Algebraic Relationships & Solving and Interpretation</p> <ul style="list-style-type: none"> A. Patterns B. Mathematical Expressions C. Graphing of functions D. Solve Equations E. Real-world problem solving <p>VIII. Operations</p> <ul style="list-style-type: none"> A. Operations with percents/fractions B. Solve Real-world problems 	<p>IX. Number Systems</p> <ul style="list-style-type: none"> A. Exponential notation B. Factorization <p>X. Factorization</p> <ul style="list-style-type: none"> A. Prime/Composite Numbers B. Prime Factorization <p>XI. Representing Numbers</p> <ul style="list-style-type: none"> A. Real-world problem solving involving positive rational numbers <p>XII. Measurement</p> <ul style="list-style-type: none"> A. Use appropriate formulas to find perimeter and area B. Use appropriate formulas to find the surface area and volume C. Real-world problem solving <p>XIII. Measurement - Angles</p> <ul style="list-style-type: none"> A. Angles B. Classify Triangles C. Angle relationships D. Scale drawings E. Real-world problem solving F. Change in dimensions affect upon area, perimeter <p>XIV. Estimation of Measurement</p> <ul style="list-style-type: none"> A. Estimation B. Estimate Solutions to real-world problems <p>XV. Geometric Figures</p> <ul style="list-style-type: none"> A. Analysis of Figures using symbolic notation B. Identify Angles C. Analysis of Relationship among two-dimensional figures <p>XVI. Spatial Relationships and Coordinate Geometry</p> <ul style="list-style-type: none"> A. Symmetry B. Transformations C. Congruency/Similarity D. Tessellations: E. Concepts F. Properties and relationships among 	<p>XVII. Number System</p> <ul style="list-style-type: none"> A. Decimal, Roman Numeral, & Ancient Egyptian <p>XVIII. Systems of Measurement</p> <ul style="list-style-type: none"> A. Use appropriate instruments to measure with B. Conversions: Large to small C. Convert Customary Units D. Calculate Area & Volume E. Real-world Problem Solving <p>XIX. Measurement</p> <ul style="list-style-type: none"> A. Measure quantities using appropriate tool, technology & technique B. Real-world Problem Solving to analyze data, select appropriate units <p>XX. Algebraic Relationships</p> <ul style="list-style-type: none"> A. Numerical and geometric patterns B. Mathematical Expressions and Equations: C. Solve Function Tables using patterns <p>XXI. Patterns and Predictions</p> <ul style="list-style-type: none"> A. Outcome of events B. Probability for independent/dependent events C. Calculate theoretical /experimental results D. Probability Likelihood: E. Probability or statistical analysis in real-life situations <p>XXII. Data Analysis and Statistical Methods</p> <ul style="list-style-type: none"> A. Real-world Problem Solving: make inferences/draw conclusions make predictions based on data. 	<p>XXIII. Representing Numbers</p> <ul style="list-style-type: none"> A. Compare and Order : Fractions, Decimals, Percent B. Number line: Find numbers on a number line C. Relationships among: Fractions, Decimals, Percents <p>XXIV. Operations</p> <ul style="list-style-type: none"> A. Procedures for: Multiplying/Dividing fractions and Decimals B. Solve Problems using: Multiplying/Dividing fractions and Decimals C. Estimate Results of computations with: Fractions and Decimals <p>XXV. Spatial Sense</p> <ul style="list-style-type: none"> A. Area of Combined Figures B. Volume of three-dimensional figures C. Finding Missing Dimensions <p>XXVI. Algebraic Relationships</p> <ul style="list-style-type: none"> A. Tables and Graphs B. One- and Two-step Linear Equations <p>XXVII. Linear Equations and Inequalities</p> <ul style="list-style-type: none"> A. Solve Problems: one- and two- step linear inequalities <p>XXVIII. Data Analysis and Statistical Methods</p> <ul style="list-style-type: none"> A. Measures of Central Tendency B. Technology Use <p>XXIX. Statistical Methods</p> <ul style="list-style-type: none"> A. Statistical Methods B. Real-world statistics and probability