

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
2017-2018 DISTRICT PACING GUIDE
YEAR-AT-A-GLANCE: POST HURRICANE IRMA**

M/J Grade 8 Pre-Algebra

Course Code: 120507001

1 st Nine Weeks	2 nd Nine Weeks	3 rd Nine Weeks	4 th Nine Weeks																																																																								
<p>I. The Real Number System A. Real Numbers B. Laws of Exponents C. Scientific Notation</p> <p>II. Equations in One Variable A. Solving Linear Equations in One Variable B. Determining Number of Solutions STEM LESSON - Model Eliciting Activities • Determining the density of regular and irregular objects</p> <p>III. Equations in Two Variables A. Slope B. Linear Equations C. Systems of Equations</p> <div style="border: 2px solid red; background-color: yellow; padding: 5px; text-align: center; margin: 10px 0;"> <p>Highlighted lesson is a recommended STEM lesson.</p> </div>	<p>III. Equations in Two Variables <i>(continued)</i> A. Slope B. Linear Equations C. Systems of Equations</p> <p>IV. Systems of Equations Relations and Functions A. Relations & Functions B. Linear Functions C. Nonlinear Functions D. Compare Linear & Non-linear Functions STEM LESSONS - Model Eliciting Activities • Select a Healthcare Plan • Fast Food Frenzy • Prom Preparations • Where Should I Go To College?</p> <p>V. Angle Relationships & Pythagorean Theorem A. Angle Relationships B. Pythagorean Theorem STEM LESSON - Model Eliciting Activities • Bike Club Trip</p> <p>VI. Transformations A. Properties of Transformations B. Effects of Transformations on the Coordinate Plane</p>	<p>VI. Transformations <i>(continued)</i> A. Properties of Transformations B. Effects of Transformations on the Coordinate Plane</p> <p>VII. Congruence & Similarity A. Congruence B. Similarity</p> <p>VIII. Volume A. Volume of Cylinders B. Volume of Cones C. Volume of Spheres STEM LESSON - Model Eliciting Activities • Pack It Up</p> <p>IX. Bivariate Data A. Scatter Plots B. Lines of Best Fit C. Bivariate Categorical Data STEM LESSON - Model Eliciting Activities • How Fast Can You Go</p>	<p>IX. Bivariate Data <i>(continued)</i> A. Scatter Plots B. Lines of Best Fit C. Bivariate Categorical Data STEM LESSON - Model Eliciting Activities • How Fast Can You Go</p> <p>X. FSA Standards Review</p> <p>XI. Investigations in Expressions, Equations, and Functions A. Solving Linear Equations in One Variable B. Determining Number of Solutions C. Linear Functions D. Systems of Equations STEM LESSON - Model Eliciting Activities • Determining the density of regular and irregular objects</p>																																																																								
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