Millington Central Middle High School

Math PACING GUIDE
8th Grade

FIRST QUARTER		
Lesson(s) Go Math	**Pacing**	**Topics**
Back to School	**5 days**	• Routines • Procedures • Diagnostic Test
Unit 1: Module 1 **Real Numbers**	**5 Days**	• Rational and Irrational numbers • Sets of Real Numbers • Ordering Real Numbers
Unit 1: Module 2 **Exponents and Scientific Notation**	**8 Days**	• Integer exponents • Scientific Notation with Positive Powers of 10 • Scientific Notation with Negative Powers of 10 • Operations with Scientific Notation
Unit 2: Module 3 **Proportional Relationships**	**10 days**	• Representing Proportional Relationships • Rate of Change and Slope • Interpreting the Unit Rate as Slope
Unit 2: Module 4 **Nonproportional Relationships**	**10 days**	• Representing linear Nonproportional Relationships • Determining Slope and y-Intercept • Graphing Linear Nonproportional Relationships

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SECOND QUARTER		
Lesson(s)	**Pacing**	**Topics**
Unit 2: Module 5 **Writing Linear Equations**	**12 days**	• Writing Linear Equations from Situations and Graphs • Writing Linear Equations from a Table • Linear Relationships and Bivariate Data
Unit 2: Module 6 **Functions**	**12 days**	• Identifying and representing Functions • Describing Functions • Comparing Functions • Analyzing Graphs
Unit 2: Module 7 **Solving Linear Equations**	**12 days**	• Equations with the Variable on Both Sides • Equations with Rational Numbers • Equations with Distributive Property • Equations with Many Solutions or No Solution

THIRD QUARTER		
Lesson(s)	**Pacing**	**Topics**
Unit 3: Module 8 **Solving systems of Linear Equations**	**5 days**	• Solving systems of linear Equations by Graphing • Solving Systems with substitution • Solving systems by Elimination • Solving Systems by Elimination with Multiplication • Solving Special Systems
Unit 4: Module 9 **Transformations and Congruence**	**5 days**	• Properties of Translations • Properties of Reflections • Properties of Rotations • Algebraic Representations of Transformations • Congruent Figures
Unit 4: Module 10 **Transformations and Similarity**	**5 days**	• Properties of Dilations • Algebraic Representations of Dilations • Similar Figures
Unit 5: Module 11 **Angle Relationships in Parallel Lines and Triangles**	**5 days**	• Parallel Lines Cut by a Transversal • Angle Theorems for Triangles • Angle-Angle Similarity
Unit 5: Module 12 **The Pythagorean Theorem**	**10 days**	• The Pythagorean Theorem • Converse of the Pythagorean Theorem • Distance Between Two Points

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FOURTH QUARTER		
Lesson(s)	**Pacing**	**Topics**
Unit 5: Module 13 **Volume**	**5 days**	• Volume of Cylinders • Volume of Cones • Volume of Spheres
Unit 5: Module 14 **Scatter Plots**	**5 days**	• Scatter Plots and Association • Trend Lines and Predictions
Unit 5: Module 15 **Two-Way Tables**	**5 days**	• Two-Way Frequency Tables • Two-Way Relative Frequency Tables