

WEST DEPTFORD SCHOOL DISTRICT

Content Area: Mathematics			
Course Title: 8th Grade Math		Grade Level: 8	
		Weeks Spent	
Analyze & Solve Linear Equations		3 weeks	
Lesson 2.1 Combine Like Terms to Solve Equations Lesson 2.2 Solve Equations with Variable on Both Sides Lesson 2.3 Solve Multi-Step Equations Lesson 2.4 Equations with No Solutions or Infinitely Many Solutions			
Real Numbers		5 weeks	
Exponent Properties Lesson 1.6 Use Properties of Integer Exponents Lesson 1.7 More Properties of Integer Exponents Scientific Notation Lesson 1.8 Use Powers of 10 to Estimate Quantities Lesson 1.9 Understand Scientific Notation Lesson 1.10 Operations with Numbers in Scientific Notation Lesson 1.2 Rational vs. Irrational Lesson 1.4 Square and Cube Roots Lesson 1.5 Solving problems with square and cube roots Lesson 1.1 Changing repeating decimal into fraction Lesson 1.3 Ordering and comparing rational and irrational numbers			
Pythagorean Theorem		2 weeks	
Lesson 7.1 Understand the Pythagorean Theorem Lesson 7.2 Understand the Converse of the Pythagorean Theorem Lesson 7.3 Apply the Pythagorean Theorem to Solve Problems Lesson 7.4 Find Distance on the Coordinate Plane			

Slope		4 week	
Lesson 2.5 Compare Proportional Relationships Lesson 2.6 Connect Proportional Relationships and Slope Lesson 2.7 Analyze Linear Equations $y=mx$ Lesson 2.8 Understand the y-intercept of a Line Lesson 2.9 Analyze Linear Equations $y=mx + b$			
Systems of Equations		3 weeks	
Lesson 5.1 Estimate Solutions by Inspection Lesson 5.2 Solve Systems by Graphing Lesson 5.3 Solve Systems using Substitution Lesson 5.4 Solve Systems using Elimination			
Triangles & Angles		2 weeks	
Lesson 6.7 Understand Similar Figures Lesson 6.8 Angles, Lines, and Transversals Lesson 6.9 Interior and Exterior Angles of Triangles Lesson 6.10 Angle-Angle Triangle Similarity			
Transformations		4 weeks	
Lesson 6.1 Analyze Translations Lesson 6.2 Analyze Reflections Lesson 6.3 Analyze Reflections Lesson 6.4 Compose Transformations Lesson 6.5 Understand Congruent Figures Lesson 6.6 Describe Dilations			
Volume		2 weeks	
Lesson 8.1 Find Surface Area of Three Dimensional Figures Lesson 8.2 Find Volume of Cylinders			

	Lesson 8.3 Find Volume of Cones Lesson 8.4 Find Volume of Spheres		
	Scatter Plots		2 weeks
	Lesson 4.1 Construct & Interpret Scatter Plots Lesson 4.2 Analyze Linear Associations Lesson 4.3 Use Linear Models to Make Predictions Lesson 4.4 Interpret Two-Way Frequency Tables Lesson 4.5 Interpret Two-Way Relative Frequency Tables		
<i>Date Created: August 2022</i> <i>Revised: August 2022</i>		<i>Board Approved on: August 2022</i> <i>Revised Board Approved: August 2022</i>	

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Eighth Grade Mathematics Pacing Guide 2022 – 2023

Topic Number	Title	DATES	Number of Days
1	Analyze & Solve Linear Equations	9/12 - 9/30	15
	Benchmark: Topic 1 Assessment	10/3-10/4	2
2	Real Numbers	10/5 - 11/15	21
	Benchmark: Topic 2 Assessment	11/16-11/17	2
3	Pythagorean Theorem	11/18-12/2	9
	Benchmark: Topic 3 Assessment	12/5	1
4	Slope	12/6-1/17	23
	Benchmark: Topic 4 Assessment	1/17-1/18	2
5	Systems of Equations	1/19-2/8	15
	Benchmark: Topic 5 Assessment	2/9-2/10	2

6	Triangles & Angles	2/13-2/27	10
	Benchmark: Topic 6 Assessment	2/28-3/1	2
7	Transformations	3/2-3/29	20
	Benchmark: Topic 7 Assessment	3/30-3/31	2
8	Volume	4/3-4/25	10
	Benchmark: Topic 8 Assessment	4/26-4/27	2
9	Scatter Plots	4/28-5/12	10
	Benchmark: Topic 9 Assessment	5/15-5/16	2