

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		
	Introduction to Functions	1 week	
	Lesson 3.1 Understand Relations and Functions Lesson 3.5 Intervals of Increase and Decrease Lesson 3.6 Sketch Functions from Verbal Descriptions		
	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		3 weeks	
	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 $y=mx + b$ Lesson 3.2 Connect Representations of Functions Lesson 3.3 Compare Linear and Nonlinear Functions Lesson 3.4 Construct Functions to Model Linear Relationships			
	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: November 2023</i>		<i>Board Approved on: August 2022</i> <i>Revised Board Approved: August 2023</i>		

WEST DEPTFORD SCHOOL DISTRICT
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	Introduction to Functions	11/28-12/5	7
	Benchmark: Topic 3 Assessment	12/6	1
4	Pythagorean Theorem	12/7-12/20	10
	Benchmark: Topic 4 Assessment	12/21-12/22	2
5	Slope	1/3 - 1/24	14
	Benchmark: Topic 5 Assessment	1/25 - 1/26	2
6	Systems of Equations	1/27-2/24	19
	Benchmark: Topic 6 Assessment	2/27 - 2/28	2

7	Triangles & Angles	3/1 - 3/14	10
	Benchmark: Topic 7 Assessment	3/15 - 3/16	2
8	Transformations	3/20 - 4/6	14
	Benchmark: Topic 8 Assessment	4/17- 4/18	2
9	Volume	4/19 - 5/2	10
	Benchmark: Topic 9 Assessment	5/3 - 5/4	2
10	Scatter Plots	5/5 - 5/18	10
	Benchmark: Topic 10 Assessment	5/19 & 5/22	2