

WEST DEPTFORD TOWNSHIP SCHOOLS

Content Area: Mathematics			
Course Title: 7 th Grade Math		Grade Level: 7	
Unit 1: Topics 1 – 10			
Topic 1: Relate Integers and their Opposites Topic 2: Understand Rational Numbers Topic 3: Add Integers Topic 4: Subtract Integers Topic 5: Add and Subtract Rational Numbers Topic 6: Multiply Integers Topic 7: Multiply Rational Numbers Topic 8: Divide Integers Topic 9: Divide Rational Numbers Topic 10: Solve Problems with Rational Numbers		6 weeks	
Unit 2: Topics 1-6			
Topic 1: Connect Ratios, Rates, and Unit Rates Topic 2: Determine Unit Rates with Ratios Topic 3: Understand Proportional Relationships: Equivalent Ratios Topic 4: Describe Proportional Relationships: Constant of Proportionality Topic 5: Graph Proportional Relationships Topic 6: Apply Proportional Reasoning to Solve Problems		5 weeks	
Unit 3: Topics 1-6			
		5 weeks	

<p>Topic 1: Analyze Percent of Numbers</p> <p>Topic 2: Connect Percent and Proportion</p> <p>Topic 3: Represent and Use the Percent Equation</p> <p>Topic 4: Solve Percent Change and Percent Error Problems</p> <p>Topic 5: Solve Markup and Markdown Problems</p> <p>Topic 6: Solve Simple Interest Problems</p>			
Unit 4: Topics 1-8		5 weeks	
<p>Topic 1: Write and Evaluate Algebraic Expressions</p> <p>Topic 2: Generate Equivalent Expressions</p> <p>Topic 3: Simplify Expressions</p> <p>Topic 4: Expand Expressions</p> <p>Topic 5: Factor Expressions</p> <p>Topic 6: Add Expressions</p> <p>Topic 7: Subtract Expressions</p> <p>Topic 8: Analyze Equivalent Expressions</p>			
Unit 5: Topics 1-7		5 weeks	
<p>Topic 1: Write Two-Step Equations</p> <p>Topic 2: Solve Two-Step Equations</p> <p>Topic 3: Solve Equations Using the Distributive Property</p> <p>Topic 4: Solve Inequalities Using Addition or Subtraction</p> <p>Topic 5: Solve Inequalities Using Multiplication or Division</p> <p>Topic 6: Solve Two-Step Inequalities</p> <p>Topic 7: Solve Multi-Step Inequalities</p>			
Unit 6: Topics 1-4		2 weeks	
<p>Topic 1: Populations and Samples</p> <p>Topic 2: Draw Inferences from Data</p> <p>Topic 3: Make Comparative Inferences About Populations</p> <p>Topic 4: Make More Comparative Inferences About Populations</p>			

Unit 7: Topics 1-7		4 weeks	
Topic 1: Understand Likelihood and Probability Topic 2: Understand Theoretical Probability Topic 3: Understand Experimental Probability Topic 4: Use Probability Models Topic 5: Determine Outcomes of Compound Events Topic 6: Find Probabilities of Compound Events Topic 7: Simulate Compound Events			
Unit 8: Topics 1-9		4 weeks	
Topic 1: Solve Problems Involving Scale Drawings Topic 2: Draw Geometric Figures Topic 3: Draw Triangles with Given Conditions Topic 4: Solve Problems Using Angle Relationships Topic 5: Solve Problems Involving Circumference of a Circle Topic 6: Solve Problems Involving Area of a Circle Topic 7: Describe Cross Sections Topic 8: Solve Problems Involving Surface Area Topic 9: Solve Problems Involving Volume			
<i>Date Created: August 2022</i> <i>Revised: August 2022</i>	<i>Date Created: August 2022</i> <i>Revised: August 2022</i>		

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Seventh Grade Mathematics Pacing Guide

Topic Number	Title	Instructional Period	Number of Days
	Readiness Testing (Placement test)		2
1	Integers and Rational Numbers		24
	Topic 1 Mid-Chapter Assessment		1
	Benchmark: Topic 1 Assessment		2
2	Analyze and Use Proportional Relationships		16
	Topic 2 Mid-Chapter Assessment		1
	Benchmark: Topic 2 Assessment		2
1 – 2	Benchmark: Topics 1-2 Assessment		3
3	Analyze and Solve Percent Problems		16
	Topic 3 Mid-Chapter Assessment		1
	Benchmark: Topic 3 Assessment		2
4	Generate Equivalent Expressions		24
	Topic 4 Mid-Chapter Assessment		1
	Benchmark: Topic 4 Assessment		2
1 – 4	Benchmark: Topics 1-4 Assessment		3
5	Solve Problems Using Equations and Inequalities		21
	Topic 5 Mid-Chapter Assessment		1
	Benchmark: Topic 5 Assessment		2
6	Use Sampling to Draw Inferences About Populations		10
	Topic 6 Mid-Chapter Assessment		1
	Benchmark: Topic 6 Assessment		2

1 – 6	Benchmark: Topics 1-6 Assessment		3
7	Probability		16
	Topic 7 Mid-Chapter Assessment		1
	Benchmark: Topic 7 Assessment		2
8	Solve Problems Involving Geometry		15
	Topic 8 Mid-Chapter Assessment		1
	Benchmark: Topic 8 Assessment		2
1 – 8	Benchmark: Topics 1-8 Assessment		3