

WEST DEPTFORD TOWNSHIP SCHOOL

Content Area: Mathematics		
Course Title: 7 th Grade Math		Grade Level: 7
	Topic 1: Integers and Rational Numbers	September - October 10 weeks
	Lesson 1: Relate Integers and their Opposites Lesson 2: Understand Rational Numbers Lesson 3: Add Integers Lesson 4: Subtract Integers Lesson 6: Multiply Integers Lesson 8: Divide Integers Lesson 5: Add and Subtract Rational Numbers Lesson 7: Multiply Rational Numbers Lesson 9: Divide Rational Numbers Lesson 10: Solve Problems with Rational Numbers	
	Topic 4: Generate Equivalent Expressions	November - December 7 weeks
	Lesson 3: Simplify Expressions Lesson 4: Expand Expressions Lesson 5: Factor Expressions Lesson 1: Write and Evaluate Algebraic Expressions Lesson 2: Generate Equivalent Expressions Lesson 6: Add Expressions Lesson 7: Subtract Expressions Lesson 8: Analyze Equivalent Expressions	
	Topic 5: Solve Problems Using Equations	January 4 weeks
	Lesson 1: Write Two-Step Equations Lesson 2: Solve Two-Step Equations Lesson 3: Solve Equations Using the Distributive Property	
	Topic 2: Analyze and Use Proportional Relationships	February - March 7 weeks

	<p>Lesson 1: Connect Ratios, Rates, and Unit Rates</p> <p>Lesson 2: Determine Unit Rates with Ratios</p> <p>Lesson 3: Understand Proportional Relationships: Equivalent Ratios</p> <p>Lesson 4: Describe Proportional Relationships: Constant of Proportionality</p> <p>Lesson 5: Graph Proportional Relationships</p> <p>Lesson 6: Apply Proportional Reasoning to Solve Problems</p>		
	Topic 3: Analyze and Solve Percent Problems		March - April 6 weeks
	<p>Lesson 1: Analyze Percent of Numbers</p> <p>Lesson 2: Connect Percent and Proportion</p> <p>Lesson 3: Represent and Use the Percent Equation</p> <p>Lesson 4: Solve Percent Change and Percent Error Problems</p> <p>Lesson 5: Solve Markup and Markdown Problems</p> <p>Lesson 6: Solve Simple Interest Problems</p>		
	Topic 5: Solve Problems Using Inequalities		May 2 weeks
	<p>Lesson 4: Solve Inequalities Using Addition or Subtraction</p> <p>Lesson 5: Solve Inequalities Using Multiplication or Division</p> <p>Lesson 6: Solve Two-Step Inequalities</p> <p>Lesson 7: Solve Multi-Step Inequalities</p>		
	Topic 7: Probability		May 2 weeks
	<p>Lesson 1: Understand Likelihood and Probability</p> <p>Lesson 2: Understand Theoretical Probability</p> <p>Lesson 3: Understand Experimental Probability</p> <p>Lesson 4: Use Probability Models</p> <p>Lesson 5: Determine Outcomes of Compound Events</p> <p>Lesson 6: Find Probabilities of Compound Events</p> <p>Lesson 7: Simulate Compound Events</p>		
	Topic 6: Use Sampling to Draw Inferences About Populations		1 week

	Lesson 1: Populations and Samples Lesson 2: Draw Inferences from Data Lesson 3: Make Comparative Inferences About Populations Lesson 4: Make More Comparative Inferences About Populations		
	Topic 8: Solve Problems Solving Geometry		1 week
	Lesson 1: Solve Problems Involving Scale Drawings Lesson 2: Draw Geometric Figures Lesson 3: Draw Triangles with Given Conditions Lesson 4: Solve Problems Using Angle Relationships Lesson 5: Solve Problems Involving Circumference of a Circle Lesson 6: Solve Problems Involving Area of a Circle Lesson 7: Describe Cross Sections Lesson 8: Solve Problems Involving Surface Area Lesson 9: Solve Problems Involving Volume		
<i>Date Created: August 2022</i> <i>Revised: August 2023</i>	<i>Date Created: August 2022</i> <i>Revised: August 2023</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	September - October - 10 weeks	38
	Integers Test		2
	Adding and Subtracting Rational Numbers Test		2
	Multiply and Dividing Rational Numbers Test		2
4	Generate Equivalent Expressions	November - December- 7 weeks	24
	Simplifying and Combining Like Terms Test		2
	Adding and Subtracting Expressions Test		2
5	Solving Equations	January - 4 weeks	15
	Solving Linear Equations Test		2
2	Analyze and Use Proportional Relationships	February - March- 7 weeks	28
	Proportions Test		2
3	Analyze and Solve Percents	March - April- 6 weeks	21
	Intro to Percents Test		2
	Multi-step Percents Test		2
5	Solving Problems with Inequalities	May- 2 weeks	8
	Inequalities Test		2
7	Probability	May- 2 weeks	10
6	Sampling	1 week	5
8	Solve Problems involving Geometry	1 week	3

	Unit 7-8 Test		2
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