Course Title: 7th Grade Math Board Approval Date: 6/2018

Credit / Hours: Reviewed Annually Course Description:

Seventh grade math focuses on mastery of the PA Academic Standards for 7th grade math and incorporates the Assessment Anchors and Eligible Content. As students progress through this course, they will learn operations on rational numbers, expressions and equations, inequalities, proportional relationships, percents, angles and triangles, plane geometry and similarity, surface area, volume, data and statistics, and probability. Integrated into every unit are rigorous, real-world applications of the standards.

Learning Activities / Modes of Assessment:

Direct Instruction
Guided Notes
Cooperative/Small Group Work
Stations
Teacher Observations
Quizzes/Tests
AIMSWEB/CDTs

Instructional Resources:

Teacher made resources aligned to standards, eligible content, and assessment anchors.

Study Island

iXL

Other various applications

Course Pacing Guide 7th Grade Math

<u>Unit Name</u>	Days of Instruction
Unit 1 Rational Numbers	20
Unit 2 Expressions and Equations	20
Unit 3 Inequalities	12
Unit 4 Proportional Relationships	30
Unit 5 Percents	15
Unit 6 Angles and Triangles	20
Unit 7 Plane Geometry and Similarity	20
Unit 8 Surface Area	10
Unit 9 Volume	10
Unit 10 Data and Statistics	10
Unit 11 Probability	10
	 177 days

Curriculum: CCSD CURRICULUM
Course: 7th Grade Math
PENNSYLVANIA
Date: June 20, 2022

Topic: Unit 1: Rational Numbers

Subject(s): 7th Grade Math

Days: 20

Grade(s): 7th

Know:	Understand:	Do:
Absolute Value Difference Integer Natural Number Numerical Expression Product Opposite Quotient Rational Number Reciprocal Sum Whole Number	Understanding add and subtract rational numbers. Understand situations in which opposites combine to make zero. Understand multiply and divide rational numbers.	M07.A-N.1.1.1 Apply properties of operations to add and subtract rational numbers, including real-world situations. M07.A-N.1.1.2 Represent addition and subtraction on a horizontal or vertical number line. M07.A-N.1.1.3 Apply properties of operations to multiply and divide rational numbers, including real-world contexts; demonstrate that the decimal form of a rational number
	Understand solving real-world and mathematical problems involving the four operations with rational numbers.	terminates or eventually repeats. M07.B-E.2.1.1 Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate.

Curriculum: CCSD CURRICULUM Course: 7th Grade Math PENNSYLVANIA

Date: June 20, 2022

Topic: Unit 2: Equations and Expressions Subject(s): 7th Grade Math Days: 20 Grade(s): 7th

Know: Unders	stand:	Do:
Algebraic Expressions Associate Property Coefficient Commutative Property Distributive Property Equation Equivalent Evaluate Expressions Identity Property Simplify Variable Under Tationa any for number and definitions Identity Property Under Tationa any for number and definitions Identity Property Under Tationa Identity Property Under Tationa Identity Property Under Tationa Identity Property Under Tationa Identity Property Under Tationa Identity Property Under Tationa Identity Property Under Tationa Identity Property Under Tationa Identity Property Under Tationa Tati	rstanding rties of tions as gies to add, act, factor, and ad linear ssions with al coefficients. rstand solving step real-life and ematical ems posed with ve and negative al numbers in orm (whole ers, fractions, ecimals) rstand using alles to represent	M07.B-E.1.1.1 Use properties of operations to generate equivalent expressions. M07.B-E.2.2.1 Use variables to represent quantities in a real-world or mathematical problem and construct simple equations and inequalities to solve problems.

Course/Subject: 7th Grade Math Length of instruction: 20 Days

Unit 1 Rational Numbers

Unit Essential Question:

How do you perform operations on rational numbers?

<u>Concept:</u>	<u>Concept:</u>	Concept:	<u>Concept:</u>
Adding and Subtracting	Adding and Subtracting	Multiplying and	Multiplying and Dividing
Integers	Rational Numbers	Dividing Integers	Rational Numbers
_	-	-	•
Lesson Essential	Lesson Essential	Lesson Essential	<u>Lesson Essential</u>
Question/s:	Question/s:	Question/s:	<u>Question/s:</u>
How are numbers represented on a number line?	How do you add rational numbers?	How do you multiply integers?	How do you multiply rational numbers?
How do you add integers?	How do you subtract rational numbers?	How do you divide integers?	How do you divide rational numbers?
How do you subtract integers?			
•	•	•	•
Vocabulary:	<u>Vocabulary:</u>	<u>Vocabulary:</u>	Vocabulary:
 Absolute Value Opposites Integer Natural Number Whole Number Sum Difference Numerical Expression 	Rational Number	ProductQuotient	• Reciprocal

Course/Subject: 7th Grade Math Length of instruction: 20 Days

Unit 2 Expressions and Equations

Unit Essential Question:

How do you simplify expressions and solve equations?

<u>Concept:</u>	Concept:	Concept:	Concept:
Expressions	Equations	Real-World	
		Applications	
-	•	-	•
<u>Lesson Essential</u>	Lesson Essential	Lesson Essential	Lesson Essential
Question/s:	Question/s:	Question/s:	Question/s:
How do you combine like	How do you solve one-	How do you write and	
terms?	step equations?	solve equations to	
How do you simplify using the distributive property?	How do you solve two- step equations?	model real-life problems?	
How do you factor an	How do you solve two-		
expression?	step equations with		
	rational numbers?		
	How do you solve		
	multi-step equations?		
-	-	-	•
<u>Vocabulary:</u>	Vocabulary:	<u>Vocabulary:</u>	<u>Vocabulary:</u>
• Expression	• Evaluate		
• Equivalent			
Like Terms			
• Term			
• Coefficient			
Constant Term			
• Variable Term			
• Simplify			

 Distributive 		
Property		
 Factoring 		

Course/Subject: 7th Grade Math Length of instruction: 12 Days

Unit 3 Inequalities

Unit Essential Question:

How do you solve and graph inequalities?

<u>Concept:</u>	<u>Concept:</u>	<u>Concept:</u>	<u>Concept:</u>
Inequalities		Real-World	
1		Applications	
-	•	•	•
Lesson Essential	Lesson Essential	<u>Lesson Essential</u>	Lesson Essential
Question/s:	Question/s:	Question/s:	Question/s:
How do you solve and		How do you write and	
graph inequalities		solve inequalities to	
		model real-life	
		problems?	
-	•	-	•
<u>Vocabulary:</u>	Vocabulary:	<u>Vocabulary:</u>	<u>Vocabulary:</u>
Inequality			
Greater than			
 Less than 			
 Greater than 			
or equal to			
Less than or			
equal to			

Curriculum: CCSD CURRICULUM
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Course: 7th Grade Math Date: June 20, 2022

Topic: Unit 3: Inequalities

Subject(s): 7th Grade Math

Days: 12

Grade(s): 7th

Know: Understand: Do:

Inequality
Greater than
Less than
Greater than or equal to
Less than or equal to

Understand how variables are used to represent quantities in real-world or mathematical problems, and construct simple equations and inequalities to solve problems by reasoning about the quantities.

Understand how to solve word problems leading to inequalities of the form px + q > r or px + q < r, where p, q, and r are specific rational numbers. Graph the solution set of the inequality and interpret it in the context of the problem.

M07.B-E.1.1.1 Use properties of operations to generate equivalent expressions.

M07.B-E.2.2.1 Use variables to represent quantities in a real-world or mathematical problem and construct simple equations and inequalities to solve problems.

Curriculum: CCSD CURRICULUM Course: 7th Grade Math PENNSYLVANIA

Date: June 20, 2022

Topic: Unit 4: Proportional Relationships Subject(s): 7th Grade Math Days: 30 Grade(s): 7th

Know:	Understand:	Do:
Axis	Understanding	M07.A-R.1.1.1 Compute unit rates
Constant of Proportionality Coordinate Grid	compare unit rates	associated with ratios of fractions, including
Dependent Variable	associated with ratios	ratios of lengths, areas, and other quantities measured in like or different units.
Independent Variable	of fractions, including ratios of length, areas,	model of ameron and.
Linear	and other quantities	M07.A-R.1.1.2 Determine whether two
Non-linear	measured in like or	quantities are proportionally related (e.g. by
Non-proportional Ordered Pair	different units	testing for equivalent ratios in a table, graphing on a coordinate plane and observing
Origin		whether the graph is a straight line through
Proportional		the origin).
Rate Rate of Change	Understand recognize and represent	MOZ A D 1 1 2 Identify the constant of
Unit Price	proportional	M07.A-R.1.1.3 Identify the constant of proportionality (unit rate) in tables, equations,
Unit Rate	relationships between	diagrams, and verbal descriptions of
X-axis	quantities.	proportional relationships.
Y-axis		M07.A-R.1.1.4 Represent proportional
		relationships by equations.
	Understand to analyze, recognize,	, , ,
	and represent	M07.A-R.1.1.5 Explain what the point (x, y)
	proportional	on the graph of a proportional relationship means in terms of the situation, with special
	relationships and use	attention to the points $(0, 0)$ and $(1, r)$ where r
	them to solve real-	is the unit rate.
	world and mathematical	
	problems.	M07.A-R.1.1.6 Use proportional relationships
	p. carconic	to solve multi-step ratio and percent
		problems.

Course/Subject: 7th Grade Math Length of instruction: 30 Days

Unit 4 Proportional Relationships

Unit Essential Question:

How do you represent proportional relationships?

<u>Concept:</u>	<u>Concept:</u>	<u>Concept:</u>	Concept:
Constant of Proportionality	Proportional Relationships	Unit Rates	
-	•	•	•
Lesson Essential Question/s:	Lesson Essential Question/s:	Lesson Essential Question/s:	<u>Lesson Essential</u> <u>Question/s:</u>
How do you find and apply the constant of proportionality?	How do you represent a proportional relationship in a table? How do you represent a proportional relationship in a graph? How do you represent a proportional relationship in an equation?	How do you find and apply unit rates in proportional relationships?	
•	-	•	•
Vocabulary:	<u>Vocabulary:</u>	<u>Vocabulary:</u>	<u>Vocabulary:</u>
 Constant of Proportionality Proportional 	 Axis Coordinate Grid Dependent Variable Independent Variable Linear Non-linear 	 Rate Rate of Change Unit Price Unit Rate 	

• Non-	tional	
propor • Ordere	ed Pair	
 Origin 		
• x-axis		
• y-axis		

Course/Subject: 7th Grade Math Length of instruction: 15 Days

Unit 5 Percents

Unit Essential Question:

How do you solve problems involving percents?

<u>Concept:</u>	<u>Concept:</u>	Concept:	<u>Concept:</u>
Ratios and Proportions	Applications of Percent		
s	-	•	•
Lesson Essential	Lesson Essential	Lesson Essential	Lesson Essential
<u>Question/s:</u>	Question/s:	Question/s:	Question/s:
How do you solve percent proportions and equations?	How do you solve multi-step percent problems? How do you find percent change? How do you find simple interest?		
-	•	•	•
Vocabulary:	<u>Vocabulary:</u>	Vocabulary:	<u>Vocabulary:</u>
 Percent Proportion Percent Equation 	 Commission Mark Down Mark Up Percent Percent Change Percent Decrease Percent Increase Sales Tax 		

 Simple Interest Tip (Gratuity) Unit Rate 	
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Curriculum: CCSD CURRICULUM
Course: 7th Grade Math
PENNSYLVANIA
Date: June 20, 2022

Topic: Unit 5: Percents

Subject(s): 7th Grade Math

Days: 15

Grade(s): 7th

Know:	Understand:	Do:
Commission Mark Down Mark Up Percent Percent Change Percent Equation Percent Decrease Percent Increase Percent Proportion Proportion Sales Tax Simple Interest Tip (Gratuity) Unit Rate	Understand how a percent is a part of a whole (total) and apply that to a variety of multi-step percent problems. Understand how to use proportional relationships to solve multistep ratio and percent problems. Understand how to recognize and represent proportional relationships between quantities.	M07.B-E.2.1.1 Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate. M07.A-R.1.1.6 Use proportional relationships to solve multi-step ratio and percent problems.

Curriculum: CCSD CURRICULUM Course: 7th Grade Math PENNSYLVANIA

Date: June 20, 2022

Topic: Unit 6: Angles & Triangles Subject(s): 7th Grade Math

Days: 20 Grade(s): 7th

Know:	Understand:	Do:
Acute Angle	Understand how to	M07.C-G.1.1.2 Identify or describe the
Acute Triangle	use facts about	properties of all types of triangles based on angle and side measures.
Acute mangle	supplementary, complementary,	angle and side measures.
Adjacent Angles	vertical, and adjacent	M07.C-G.1.1.3 Use and apply the triangle
	angles in a multi-step	inequality theorem.
Alternate Exterior Angles	problem to write and	M07.C-G.2.1.1 Identify and use properties of
Alternate Interior Angles	solve simple	supplementary, complementary, and adjacent
, merriate interior, migree	equations for an	angles in a multi-step problem to write and
Complementary Angles	unknown angle in a	solve simple equations for an unknown angle
0	figure.	in figure.
Congruent		M07.C-G.2.1.2 Identify and use properties of
Corresponding	Understand how to	angles formed when two parallel lines are cut
	construct triangles	by a transversal (e.g., angles may include
Isosceles Triangle	from three measures	alternate interior, alternate exterior, vertical,
Obtuse Angle	of angles or sides,	corresponding).
Obtase / trigic	noticig when the conditions determine	
Obtuse Triangle	a unique triangle,	
D " ! ! !	more than one	
Parallel Lines	triangle, or no triangle.	
Right Angle		
Right Triangle		
Scalene Triangle		
Ocaletic Thangle		
Straight Angle		
0		
Supplementary		
Transversal		
Triangle Inequality		
Theorem		
Vertex		
Vertical Angles		
Equivalent Triangle		
Lyarvaioni mangie		

Course/Subject: 7th Grade Math Length of instruction: 20 Days

Unit 6 Angles and Triangles

Unit Essential Question:

How are angles and triangles related?

<u>Concept:</u>	<u>Concept:</u>	<u>Concept:</u>	<u>Concept:</u>
Angle Relationships	Triangles		
•	•	•	•
<u>Lesson Essential</u> <u>Question/s:</u>	<u>Lesson Essential</u> <u>Question/s:</u>	Lesson Essential Question/s:	Lesson Essential <u>Ouestion/s:</u>
How are complementary and supplementary angles related? How are vertical and adjacent angles related? How are angles related when two parallel lines are cut by a transversal?	How are angles in a triangle related? How are sides in a triangle related? How do you use and apply the Triangle Inequality Theorem?		
•	-	•	•
 Vocabulary: Acute Angle Adjacent Angles Alternate Exterior Angles Alternate Interior Angles Complementary Angle Congruent Corresponding 	 Vocabulary: Acute Triangle Isosceles Triangle Obtuse Triangle Right Triangle Scalene Triangle Triangle Inequality Theorem Vertex 	Vocabulary:	Vocabulary:

 Obtuse Angle Parallel Lines Right Angle Straight Angle Supplementary Transversal Vertical Angles 	 Equilateral Triangle 	

Curriculum: CCSD CURRICULUM Course: 7th Grade Math PENNSYLVANIA

Date: June 20, 2022

Topic: Unit 7: Plane Geometry and Similarity Subject(s): 7th Grade Math Days: 20 Grade(s): 7th

Know:	Understand:	Do:
Circle Circumference	Understand how to solve problems involving scale	M07.C-G.1.1.1 Solve problems involving scale drawing of geometric figures, including finding length and area.
Cube	drawings of geometric figures.	M07.C-G.1.1.4 Describe the two-dimensional figures that result from slicing three-
Cylinder		dimensional figures.
Diameter	Understand the formulas for the area	M07.C-G.2.2.1 Find the area and circumference of a circle. Solve problems
Edge	and circumference of a circle and use them	involving area and circumference of a circle(s).
Face	to solve problems.	M07.C-G.2.2.2 Solve real-world and
Irregular Polygon	Understand how to	mathematical problems involving area, volume, and surface area of two- and three-
Leg	solve real-world	dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right
Net	problems involving	prisms.
Prism	area, volume, and surface area of two-	
Pyramid	and three-dimensional objects composted of	
Radius	triangles, quadrilaterals,	
Rectangular Prism	polygons, cubes, and right prisms.	
Regular Polygon		
Scale Drawing		
Scale Factor		
Similar		
Surface Area		

Curriculum: CCSD CURRICULUM
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Topic: Unit 8: Surface Area

Subject(s): 7th Grade Math

Days: 10

Grade(s): 7th

Know:	Understand:	Do:
Cube	Understand how to	M07.C-G.2.2.2 Solve real-world and
Edge	solve real-world mathematical	mathematical problems involving area, volume, and surface area of two- and three- dimensional objects composed of triangles,
Face	problems involving area, volume, and	quadrilaterals, polygons, cubes, and right
Leg	surface area of two- and three-dimensional	prisms.
Net	objects composted of triangles,	
Prism	quadrilaterals, polygons, cubes, and	
Pyramid	right prisms.	
Rectangular Prism		
Regular Polygon		
Surface Area		

Course/Subject: 7th Grade Math Length of instruction: 20 Days

Unit 7 Plane Geometry and Similarity

Unit Essential Question:

How do you find the area of plane geometric figures?

How are similar figures and scale drawings related?

<u>Concept:</u>	<u>Concept:</u>	<u>Concept:</u>	Concept:
Circles	Area of Two- Dimensional Figures	Similarity	
•	•	-	-
Lesson Essential Question/s:	Lesson Essential Question/s:	<u>Lesson Essential</u> <u>Question/s:</u>	<u>Lesson Essential</u> <u>Ouestion/s:</u>
How do you find the circumference of a circle? How do find the area of a circle?	How do you find the area of a two-dimensional figures? How do you find the area of composite figures?	How are corresponding sides and corresponding angles related in similar figures? How do you find missing measurements in similar figures? How do you solve problems involving scale drawings?	
•	•	•	•
 Vocabulary: Circle Circumference Diameter Radius Regular Polygon 	 Vocabulary: Edge Base Height Irregular Polygon Leg 	 Vocabulary: Scale Drawing Scale Factor Similar 	Vocabulary:

Course/Subject: 7th Grade Math Length of instruction: 10 Days

Unit 8 Surface Area

Unit Essential Questions:

How do you find the area of plane geometric figures?

How are similar figures and scale drawings related?

<u>Concept:</u>	<u>Concept:</u>	Concept:	Concept:
Circles	Area of Two- Dimensional Figures	Similarity	
•	•	•	•
Lesson Essential Question/s: How do you find the circumference of a circle? How do find the area of a circle?	Lesson Essential Question/s: How do you find the area of a two-dimensional figures? How do you find the area of composite figures?	Lesson Essential Question/s: How are corresponding sides and corresponding angles related in similar figures? How do you find missing measurements in similar figures? How do you solve problems involving scale drawings?	<u>Lesson Essential</u> <u>Ouestion/s:</u>
-	•	•	•
 Vocabulary: Circle Circumference Diameter Radius Regular Polygon 	 Vocabulary: Edge Base Height Irregular Polygon Leg 	 Vocabulary: Scale Drawing Scale Factor Similar 	<u>Vocabulary:</u>

Curriculum: CCSD CURRICULUM
Course: 7th Grade Math
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Date: June 20, 2022

Topic: Unit 9: Volume
Subject(s): 7th Grade Math

Days: 10
Grade(s): 7th

Know:	Understand:	Do:
Cube	Understand how to	M07.C-G.2.2.2 Solve real-world and
Edge	solve real-world mathematical	mathematical problems involving area, volume, and surface area of two- and three-
Face	problems involving area, volume, and surface area of two-	dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.
Leg	and three-dimensional	
Net	objects composted of triangles,	
Prism	quadrilaterals, polygons, cubes, and	
Pyramid	right prisms.	
Rectangular Prism		
Regular Polygon		
Volume		

Course/Subject: 7th Grade Math Length of instruction: 10 Days

Unit 9 Volume

Unit Essential Questions:

How do you find volume?

<u>Concept:</u>	<u>Concept:</u>	Concept:	<u>Concept:</u>
Cross-Sections	Volume		
-	•	•	•
Lesson Essential <u>Ouestion/s:</u>	<u>Lesson Essential</u> <u>Question/s:</u>	<u>Lesson Essential</u> <u>Question/s:</u>	<u>Lesson Essential</u> <u>Ouestion/s:</u>
How do you find the area of a cross-section?	How do you find the volume of three-dimensional figures? How do you solve problems involving volume?		
•	•	•	•
<u>Vocabulary:</u>	<u>Vocabulary:</u>	Vocabulary:	<u>Vocabulary:</u>
• Cube	•	•	
Cross Section			
• Prism			
• Pyramid			
Rectangular Prism			
• Regular Polygon			

Curriculum: CCSD CURRICULUM
Course: 7th Grade Math
PENNSYLVANIA
Date: June 17, 2022

Topic: Unit 10: Data and Statistics
Subject(s): 7th Grade Math

Days: 10
Grade(s): 7th

Know:	Understand:	Do:
Biased Sample	Understand that	M07.D-S.1.1.1 Determine whether a sample
Box plot	statistics can be used	is a random sample given a real-world
·	to gain information	situation.
Dot plot	about a population by	
Interquartile Range	examining a sample	M07 D 0 4 4 0 H
	of the population.	M07.D-S.1.1.2 Use data from a random
Median		sample to draw inferences about a population with an unknown characteristic of interest.
Mean	Understand how to	with an unknown characteristic of interest.
Maca Abaduta Daviation	use data from a	
Mean Absolute Deviation	random sample to	M07.D-S.2.1.1 Compare two numerical data
Measures of Center	draw inferences about	distributions using measures of center and
Measures of Variability	a population with an	variability.
Population	unknown characteristic of	
Outlier	interest.	
Quartile		
Panao	Understand how to	
Range	use measures of	
Sample	center and measures	
Spread	of variability for	
Survey	numerical data from random samples to	
Unbiased Sample	draw informal comparative inferences about two populations.	

Course/Subject: 7th Grade Math Length of instruction: 10 Days

Unit 10 Data and Statistics

Unit Essential Questions:

How do you compare data?

Concept:	Concept:	Concept:	Concept:
			сонсери.
Samples and Populations	Measures of Center and	Comparing Data Sets	
	Variability		
•	•	-	•
Lesson Essential	Lesson Essential	Lesson Essential	Lesson Essential
Question/s:	Question/s:	Question/s:	Question/s:
How are samples and	How do you find and	How do you compare	
populations related?	use the measures of	two data sets using	
r-r	center?	measures of center and	
	11 1 6 1 1	variability?	
How can you use samples	How do you find and use the measures of		
to make inferences about	variability?		
the population?	variability:		
	•	•	•
Vocabulary:	Vocabulary:	Vocabulary:	Vocabulary:
Biased Sample	 Box plot 	•	
• Population	• Dot plot		
• Sample	 Interquartile 		
• Survey	Range		
 Unbiased 	 Median 		
Sample	 Mean 		
	 Mean Absolute 		
	Deviation		
	 Measures of 		
	Center		
	 Measures of 		
	Variability		

Outlier	
 Quartile 	
• Range	
RangeSpread	

Curriculum: CCSD CURRICULUM
Course: 7th Grade Math
PENNSYLVANIA
Date: June 17, 2022

Topic: Unit 11: Probability
Subject(s): 7th Grade Math

Days: 10
Grade(s): 7th

Know:	Understand:	Do:
Complementary Events	Understand that the	M07.D-S.3.1.1 Predict or determine whether
	probability of a	some outcomes are certain, more likely, less
Compound Evets	chance event is a	likely, equally likely, or impossible.
Dependent Events	number between 0	
Dependent Events	and 1 that expresses	
Independent Events	the likelihood of the	M07.D-3.2.1 Determine the probability of a
•	event occurring.	chance event given relative frequency and
Experimental Probability		predict the approximate relative frequency given the probability.
Theoretical Probability	Understand how to	
	approximate the	
Outcome	probability of a	M07.D-3.2.2 Find the probability of a simple
	chance event by	event, including the probability of a simple
Probability	collecting data on the	event not occurring.
Random Event	chance process that	
Transon Event	produces it and observing its long-run	M07 D 0 0 0 0 F;
Relative Frequency	relative frequency and	M07.D-S.3.2.3 Find probabilities of
	predict the	independent compound events using organized lists, tables, tree diagrams, and
Sample Space	approximate relative	simulation.
Simple Event	frequency given the	Simulation.
Simple Event	probability.	
	Understand how to	
	find the probabilities	
	of compound events	
	using organized lists,	
	tables, tree diagrams,	
	and simulation.	

Course/Subject: 7th Grade Math Length of instruction: 10 Days

Unit 11 Probability

Unit Essential Questions:

How do you find probability?

<u>Concept:</u>	<u>Concept:</u>	<u>Concept:</u>	<u>Concept:</u>
Simple Probability	Compound Probability		
-	•	•	-
<u>Lesson Essential</u> <u>Question/s:</u>	<u>Lesson Essential</u> <u>Question/s:</u>	<u>Lesson Essential</u> <u>Question/s:</u>	<u>Lesson Essential</u> <u>Question/s:</u>
How do you find the probability of a simple event?	How do you find the probability of independent events?		
How do you find the sample space of an event?	How do you find the probability of		
How are experimental and theoretical probability related?	dependent events?		
How can probability help make predications?			
_	•	•	•
<u>Vocabulary:</u>	<u>Vocabulary:</u>	<u>Vocabulary:</u>	<u>Vocabulary:</u>
 Complementary Events Experimental Probability Theoretical Probability Outcome Probability Random Event Relative Frequency 	 Compound Evets Dependent Events Independent Events 		

Sample SpaceSimple Event		