Curriculum Map for Accelerated Math 7

Unit:	**1 Rational Numbers and Exponents** (Chapter 2 and 3)
Big Ideas:	Operations with rational numbers
Unit Essential Questions:	What happens when you add, subtract, multiply, and divide integers? Rational numbers?

Concept & Pacing	**New Emphasis (Pa Core Standard)**	**Key Vocabulary**	**Essential Questions**	**Competencies (Skills, knowledge, abilities)**	**Mini-Lessons/Activities**	**Instructional Materials**	**Assessments**
Integers and Absolute Value 1 Day	C.C.2.1.7.E.1	absolute value coordinate integer negative number opposites positive number inequality	How can you order the integers −12, −5, −15, −10, −3 from least to greatest without using a number line?	Compare and order integers Find the absolute value of an expression	Vocab Start Up Guided Practice Partner Practice Skills	Whiteboards Textbooks	Guided Practice Homework
Adding Integers 1.5 Day	C.C.2.1.7.E.1	additive inverse	Without actually adding, how do you know that the sum of 5, 4, and −5 is positive?	Add Integers	Quick Check Integers Flow Chart Guided Examples. Guided Practice	Flow Chart Whiteboards	Guided Practice Quick Check Homework
Subtracting Integers 1.5 Day	C.C.2.1.7.E.1	inductive reasoning	If you write an expression involving the subtraction of a negative integer and then you write an equivalent addition expression, why is the result the same?	Subtract Integers Find distances on the number line	Quick Check Integers Flow Chart Guided Examples. Guided Practice	Flow Chart Whiteboards	Guided Practice Quick Check Homework
Multiplying Integers 0.5 Day	C.C.2.1.7.E.1		When multiplying more than two integers, how can you determine the sign of the product?	Multiply Integers Simplify Algebraic Expressions	Integer Flow Chart Guided Examples. Integer Review Activity Deltamath	Textbook Integer Review Activity	Review Activity Homework

Dividing Integers 0.5 Day	C.C.2.1.7.E.1		Why are the Associative Property and the Commutative Property not true for division of integers?	Divide Integers Find the mean (average) of a set of data			
Review/Test 2 Days					Review Assignment Test	Assignment Test	Test Test
Fractions and Decimals 1 Day	C.C.2.1.7.E.1	bar notation repeating decimal terminating decimal	How are 0.5 and 0.5 different? Which is greater?	Write fractions as terminating or repeating decimals Compare fractions and decimals	Vocabulary Start Up Skills Practice- Think Pair Share Homework	Skills Practice Textbook	Skills Practice Homework
Rational Numbers 1 Day	C.C.2.1.7.E.1	rational number	How do you compare and order fractions and decimals?	Write rational numbers as fractions Identify and classify rational numbers	Quick Check Guided Examples Stationed Activity.	Quick Check Stations	Activity Sheet Quick Check Homework
Multiplying Rational Numbers 1 Day	C.C.2.1.7.E.1		Why is the estimate of the product different from the actual product?	Multiply positive and negative fractions Evaluate algebraic expressions with fractions	Investigative Learning Activity with partner.	Notebook	IL Activity Homework
Dividing Rational Numbers 1 Day	C.C.2.1.7.E.1	multiplicative inverse reciprocal	For a positive number *n*, why is ?	Divide positive and negative fractions Divide algebraic fractions	Investigative Learning Activity with partner.	Notebook	IL Activity Homework
Adding and Subtracting Like Fractions 0.5 Day	C.C.2.1.7.E.1	like fractions	What types of problems might be solved by adding or subtracting fractions?	Add and subtract rational numbers with common denominators	Discussion of fractions. Review at the Board. Quick Check Homework Deltamath	Board. Textbook	Board work Homework Deltamath

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Adding and Subtracting Unlike Fractions 1.5 Day	C.C.2.1.7.E.1	unlike fractions	If you use 24 instead of 12 as a common denominator when finding , will you get the correct answer?	Add and subtract unlike fractions	Review LCD “Add/Subtract Unlike Fractions” Worksheet Deltamath Skills Practice Partner Activity	LCD and Unlike Fractions Worksheet Workbook Skills Practice	Guided Practice Deltamath Homework
Review/Test 2 Days					Review Worksheet Test	Review Test	Test

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Unit:	**2 Proportionality and Linear Relationships** (Chapters 7, 8, 5, 6)
Big Ideas:	Algebraic Expressions (Chapter 7) Equations and Inequalities (Chapter 8) Ratios, Proportions, and Similar Figures (Chapter 5) Percents (Chapter 6)
Unit Essential Questions:	Why are algebraic rules useful? (Chapter 7) How are equations and inequalities used to describe and solve multi-step problems? (Chapter 8) How can you identify and represent proportional relationships? (Chapter 5) How can you use proportional relationships to solve real-world percent problems? (Chapter 6)

Concept & Pacing	New Emphasis (Pa Core Standard)	Key Vocabulary	Essential Questions	Competencies (skills, knowledge, abilities)	Mini-Lessons/Activities	Instructional Materials	Assessments
Simplifying Algebraic Expressions 1 Day	C.C.2.2.7.B.1	coefficient constant like terms simplest form simplifying the expression term	What error was made when $4x - 2(x + 5)$ was simplified to $2x + 10$?	Identify parts of an algebraic expression and use the distributive property to simplify algebraic expressions	Homework Help Practice at the Board Key Strategies Sheet	Key Strategies Sheet Colored Pencils Highlighters	On your own practice. Homework
The Distributive Property 1 Day	C.C.2.2.7.B.1	Distributive Property equivalent expressions	How can you use the Distributive Property and mental math to simplify ?	Use the distributive property to write equivalent numerical and algebraic expressions	Reference area model (rectangles) Class practice at the board.	Whiteboards	Class Practice Homework
Adding Linear Expressions 1 Day	C.C.2.2.7.B.1	linear expression	Without using numbers, how do you add linear expressions?	Add linear expressions and find perimeter	Homework Help Stations.	Stations	Stations Homework
Subtracting Linear Expressions	C.C.2.2.7.B.1		How can you use the rule for subtracting	Subtract linear expressions and	Homework Help Whiteboards.	Whiteboards.	ICA on whiteboards. Homework.

1 Day			integers to subtract linear expressions?	solve real-world problems			
Factoring Linear Expressions **1 Day**	C.C.2.2.7.B.1	factor factored form	How can I use the term *Distributive Property* to explain how the GCF is used to factor an expression?	Find the greatest common factor of two monomials Use properties to factor linear expressions	GCF Review Investigative learning with whiteboards. Guided Practice Homework	Guided Notes Whiteboards	Guided Practice Homework
Review/Test **2 Days**					Review Test	Review Test	Review Test
Solving Equations with Rational Coefficients **1 Day**	C.C.2.2.7.B.3	equivalent equations inverse operations solution	If your friend says he can solve 3x = 15 by using the Multiplication Property of Equality, is he correct?	Solve equations by using the division and multiplication properties of equality	One Step Equation Review. Practice Skills Deltamath	Practice Skill	One Step Review Deltamath
Solving Two-Step Equations **1 Day**	C.C.2.2.7.B.3	two-step equation	When you evaluate 3(2) + 5 and then solve the equation 3x + 5 = 11, how are the problems and solutions similar and how are they different?	Solve two-step equations Solve real-world problems involving two-step equations	Practice Strategy Guided Examples Independent Practice	Whiteboards.	Independent Practice Homework
Writing Equations **1 Day**	C.C.2.2.7.B.3		How are two-step equations used to represent	Write two-step equations Solve verbal problems by	Review CUBES Guided Examples Word Problem Stations	Whiteboard Worksheet	Stations Homework

			real-world problems?	writing and solving two-step equations			
More Two-Step Equations **1 Day**	C.C.2.2.7.B.3		How can I decide whether to use the Distributive Property or the Division Property of Equality as the first step when I solve an equation of the form $p(x + q) = r$?	Solve equations in the form p(x+q)=r	Guided Practice at the Board. Deltamath	Whiteboard	Practice Homework Deltamath
Solving Equations with Variables on Each Sides **1 day**	C.C.2.2.7.B.3		How are equations and inequalities used to solve multi-step problems?	Solve equations with variable on each side	Deltamath	Book Practice	Deltamath Homework
Inequalities **0.5 Day**	C.C.2.2.7.B.3		How can I explain how to tell the difference between graphing an inequality with a closed circle and one with an open circle?	Write Inequalities Graph inequalities on a number line	Basic Inequality Review/Pretest	Pretest	Pretest
Solving Inequalities **2.5 Day**	C.C.2.2.7.B.3		How do I explain how to solve inequalities that involve multiplication and division?	Solve inequalities using the addition and subtraction property of inequality, and multiplying or dividing by a positive or negative number	Investigative Learning Activity Deltamath	IL Worksheet	IL Activity Homework Deltamath

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Review/ Test 2 Days					Review Test	Review Test	Review Test
Ratios 1 Day	CC.2.1.7.D.1	ratio	If a football team took away the ball 21 times and gave up the ball 22 times, is a sports writer correct in saying the takeaway/giveaway ratio is −1?	Write ratios as fractions in simplest form Simplify ratios involving measurements	Pulse Rate Video/Activity Vocabulary Start Up Guided Practice Independent Practice	Pulse Rate Video Textbook	Independent Practice Homework Pulse Rate Activity
Unit Rates 1 Day	CC.2.1.7.D.1	rate unit rate	Why is a horse that runs mile in 1 minute and 9 seconds considered to be faster than a sprinter who runs a 100-yard dash in 12 seconds?	Find, compare and use unit rates	Guided Examples. Skills Practice Partner Activity.	Skills Practice Textbook	Skills Practice Homework
Complex Fractions and Unit Rates 1 Day	CC.2.1.7.D.1	complex fraction	How can complex fractions be used to solve problems involving ratios?	Simplify complex fractions and find unit rates	Quick Check Guided Examples Guided Practice Skills Practice Extra Practice	Quick Check Textbook Skills Practice Extra Practice Whiteboards	Quick Check Guided Practice Homework
Converting Rates 1 Day	C.C.2.1.7.D.1	Dimensional analysis	How would you convert 10 miles per hour to meters per second?	Convert rates using dimensional analysis Convert between systems of measurement	Quick Check Guided Examples Guided Practice Skills Practice Extra Practice	Quick Check Textbook Skills Practice Extra Practice Whiteboards	Quick Check Guided Practice Homework

Proportional and Non-proportional Relationships **1 Day**	CC.2.1.7.D.1 CC.2.2.8.B.2	constant of proportionality non-proportional proportional	If Monica is 12 and Patrice is 6, are their ages proportional?	Identify proportional and nonproportional relationships in tables and graphs Describe a proportional relationship using an equation	"Real World Link" Quick Check Guided Examples. Homework "Recognizing Proportional Relationships" Worksheet	Textbook "Recognizing Proportional Relationships" Worksheet	T.O.D. Quick Check Homework
Graphing Proportional Relationships **1 Day**	CC.2.1.7.D.1 CC.2.2.8.B.2		What are two ways to determine whether *two cups of flour per batch* represents a proportional relationship?	Identify and analyze proportional relationships	Bookwork Independent Practice Worksheet Homework Help Skills Practice	Bookwork Worksheet Independent Practice Worksheet Skills Practice	Bookwork Worksheet Independent Practice Worksheet Skills Practice
Solving Proportions **1 Day**	CC.2.1.7.D.1	cross products proportion	When is it easier to use the constant of proportionality rather than cross products to solve a proportion?	Use cross products or the constant of proportionality to solve problems	Independent Practice Worksheet Homework Help Skills Practice	Independent Practice Worksheet Homework Help Skills Practice	Independent Practice Worksheet Homework Help Skills Practice
Scale Drawings and Models **1 Day**	CC.2.1.7.D.1	scale scale drawing scale factor scale model	How are *scale* and *scale factor* alike and how are they different?	Use and construct scale drawings	Bookwork Worksheet Homework	Bookwork Worksheet Homework	Bookwork Worksheet Homework
Similar Figures **1 Day**	CC.2.1.7.D.1	congruent corresponding parts similar figures	How can you determine whether triangle *A* or triangle *B* is the original triangle if the triangles are similar, the sides of *A* are smaller than the sides of	Find missing measures of similar figures Use scale factors to solve problems involving similar figures	Skills Practice Deltamath Homework	Skills Practice Deltamath Homework	Deltamath Homework

			B, and the scale factor is 0.25?				
Indirect Measurement 1 Day	CC.2.1.7.D.1	indirect measurement	What is a real-world example of when you might need to use indirect measurement, and how would you solve the problem?	Solve problems involving indirect measurement using shadow reckoning Solve problems using survey methods	Quick Check Check Points ICA Practice Skills	Textbook Practice Skills	ICA Practice Skills Homework
Review/ Test 2 Days					Review Test	Review Test	Test
Find the Percent of a Number Mentally 1 Day	C.C.2.2.7.B.3		What are two different ways you could find 20% of 60 mentally?	Compute mentally and estimate with percents	Fluency Practice Guided Practice Independent Practice	Fluency Practice Sheet Textbook	Fluency Practice Guided Practice Independent Practice
Using the Percent Proportion 1.5 Day	C.C.2.2.7.B.3	proportion	Is it reasonable to say 125% of 47 is 5.9? Why?	Use and apply the percent proportion to solve problems	Guided Examples Guided Practice Board Practice	Textbook Whiteboards	Guided Practice Board Practice Homework
Using the Percent Equation 1.5 Day	C.C.2.2.7.B.3	percent equation	What are two different expressions you could use to find the total cost of an item with a price of $*y* if the sales tax is 8%?	Solve percent problems and problems involving taxes using percent equations	“CUBES” Strategy. Guided Examples. “On your own” Think Pair Share T.O.D.	CUBES Sheet Workbook Whiteboard	Think Pair Share activity T.O.D. Homework
Percent of Change 2 Day	C.C.2.2.7.B.3	percent error percent of change	How can I find the percent error in a given situation?	Find percent of increase or decrease	Guided Practice Quick Check Project: Create ten examples out of twenty	Quick Check Project Template Scissors	

		percent of decrease percent of increase		Find percent error	given numbers to find percent of change. Grade another group.	Glue	
Discount and Markup **1 Day**	C.C.2.2.7.B.3	discount markup selling price	What is an example and solution of a real-world problem involving discount?	Solve real-world problems involving discount and markup	Guided Practice Practice Skills and Homework Practice with Partner	Practice Skills and Homework Practice	Guided Practice Practice Skills and Homework Practice Homework
Simple and Compound Interest **1 Day**	C.C.2.2.7.B.3	compound interest interest percent principal simple interest	How does compound interest compare to simple interest?	Solve simple and compound interest problems Apply the simple interest equation to real-world problems	Guided Examples Guided Practice Bookwork Worksheet	Bookwork Worksheet	Guided Practice Homework
Review/Test **2 Days**					Review Packet Test	Review Packet Test	Review Packet Test

Unit:	**3 Geometry** (Geometry insert from ACAP and Chapter 12)
Big Ideas:	Angle Relationships & Parallel Lines (Geometry Unit) Area, Volume, and Surface Area (Chapter 12)
Unit Essential Questions:	How can you use different measurements to solve real-life problems? (Geometry Unit) How are two-dimensional figures used to solve problems involving three-dimensional figures? (Chapter 12)

Concept & Pacing	New Emphasis (Pa Core Standard)	Key Vocabulary	Essential Questions	Competencies (skills, knowledge, abilities)	Mini-Lessons/Activities	Instructional Materials	Assessments
Classify Angles 1 .5 Day	CC.2.3.7.A.1	acute angle angles congruent obtuse angle right angle straight angle vertex vertical angles	What are the differences between vertical and adjacent angles?	Classify angles based off of their measures	Vocabulary Flow Chart Classifying Angles Quick Reference Sheet Classifying Angles Partner Activity	Flow Chart Quick Reference Sheet Partner Activity	Partner Activity Homework
Complementary and Supplementary Angles 1.5 Day	CC.2.3.7.A.1	angles supplementary angles	How are vertical, adjacent, complementary, and supplementary angles related?	Examine the relationship of angles that are complementary and supplementary	Flip Book Classifying Comp. Supp. Angles Partner Activity	Construction Paper Markers Highlighters. Partner Activity	Flip Book Partner Activity
Triangles 2 Day	CC.2.3.7.A.2	acute triangle adjacent congruent segments triangle triangle	How can triangles be classified?	Classify a triangle by its angles and by its sides Find the missing angle measure of a triangle	Reference Sheet. Guided Notes Homework	Reference Sheet Skills Practice Guided Notes	Skills Practice Homework

		obtuse triangle right triangle scalene triangle triangle		Find an exterior angle of a triangle			
Parallel Lines: Angle Relationships . 4 Days	C.C.2.3.7.A.1 C.C.2.3.7.A.2	Parallel lines Transversal Vertical angles Alternate exterior angles Alternate interior angles Same-side exterior angles Same-side interior angles.	How can angle relationships in parallel lines solve real-world problems?	Examine relationships of angles formed by parallel lines and a transversal	Foldable Parallel Lines WS Plickers Quizizz	Identifying Relationships Activity Alternate and Same Side Interior Activity Alternate and Same Side Exterior Activity Study Island Review Quiz	Parallel Lines WS Plickers Quizizz
Draw Three-Dimensional Figures 1 Day	CC.2.3.7.A.2		How does drawing the different views of a three-dimensio	Identify three-dimensional figures	Homework	Homework	Homework

			nal figure help you have a better understanding of the figure?				
Cross Sections 1 Day	CC.2.3.7.A.1	base complementary cone coplanar cross section cylinder diagonal edge equilateral face isosceles plane polyhedron prism pyramid skew line vertex	How can knowing the shape of the base of a three-dimensional figure help you name the figure?	Describe and draw vertical, horizontal and angled cross sections of three-dimensional figures	Deltamath Homework	Deltamath Lesson	Deltamath Homework
Review/Test 2Days					Review Test	Review Test	Review Test

Circumference / Area of Circles **1 Day**	CC.2.3.7.A.1	center circle circumference diameter pi radius semicircle	What is the relationship between the circumference and diameter of a circle?	Find the circumference of circles Find the areas of circles	Formula Sheet Review. Review Area and Perimeter of all shapes on Grade 7 Formula Sheet. Area Review Practice Sheet Quizizz	Formula Sheet Practice Sheet Highlighters Colored Pencils. Quizizz	Practice Sheet Quizizz
Area of Composite Figures **1.5 Days**	CC.2.3.7.A.1	composite figure	How can you tell if an answer is exact or an approximation?	Solve problems involving the area of composite figures	Guided Practice Partner Activity Composite Figures-Google sheet	Highlighters Colored Pencils Composite Figures-Google sheet Guided	Guided Practice Homework Google Sheet
Floor Plan Project **2 Days**	CC.2.3.7.A.1			Students use learned shapes to create a “floor plan” for their house. Students find area of each room and total square footage of house.	Floor Plan project Area calculations	Project Graph Paper Rulers Colored pencils Compass	Project Area Calculations
Volume of Prisms **1 Day**	CC.2.3.7.A.1 CC.2.3.7.A.2	volume	How is finding the volume of a rectangular	Find volume of prisms	Guided Practice Partner Activity	Highlighters	Guided Practice Homework

			prism and the volume of a triangular prism alike? different?	Find volume of composite figures		Colored Pencils Guided Practice Sheet	
Surface Area of Prisms **1 Day**	CC.2.3.7.A.1	surface area	Why is the surface area of a three-dimensional figure measured in square units instead of cubic units?	Find lateral and surface area of prisms Find surface area of real-world objects shaped like prisms	Guided Practice Partner Activity	Highlighters Colored Pencils Guided Practice Sheet	Guided Practice Homework
Volume and Surface Area of Composite Figures **2 days**	CC.2.3.7.A.1		How do the previous lessons in this chapter help you find the surface area and volume of a composite figure?	Find both volume and surface area of composite figures	Guided Practice Partner Activity	Highlighters Colored Pencils Guided Practice Sheet	Guided Practice Homework
Review/Test **2 Days**					Review Test	Review Test	Review Test

Unit:	**4 Introduction to Sampling and Inference** (Chapter 10)
Big Ideas:	Statistics and Probability
Unit Essential Questions:	How are statistics used to draw inferences about and compare populations?

Concept & Pacing	**New Emphasis (Pa Core Standard)**	**Key Vocabulary**	**Essential Questions**	**Competencies (skills, knowledge, abilities)**	**Mini-Lessons/Activities**	**Instructional Materials**	**Assessments**
Measures of Center **1 Day**	C.C.2.4.7.B.2	measures of center statistics	Using the Internet to find some real-world data, which measure of center best represents the data you found, and what is that measure of center?	Use the mean, median and mode measures of center Choose an appropriate measure of center and recognize measures of statistics	Guided Lessons Partner Activity Bookwork Worksheet	Book	Homework Worksheet
Measures of Variability **1 Day**	C.C.2.4.7.B.2	first quartile interquartile range measures of variability outliers	How do outliers affect the calculation of measures of variability in a data set?	Find and use measures of variability to interpret and analyze data	Guided Practice Bookwork Worksheet Deltamath	Book Worksheet Deltamath	Homework Worksheet Deltamath

		quartiles range third quartile					
Mean Absolute Deviation 1 Day	C.C.2.4.7.B.2	mean absolute deviation	Why might the mean absolute deviation be useful when considering two real-world distributions with the same mean and median?	Find the mean absolute deviation of a set of data Compare the mean absolute deviations for two sets of data	Guided Practice Textbook	Guided Practice Textbook	Homework Bookwork
Compare Populations 1 Day	C.C.2.4.7.B.2	box plot double box plot	If Marcia recorded the daily temperatures for two cities for 30 days, for which city can you more accurately predict the daily temperature if the two populations have similar centers, but City A has a greater variability than	Compare two populations using the measures of center and variability	Guided Practice	Deltamath	Homework Deltamath

			City B? Explain.				
Using Sampling to Predict 1 Day	C.C.2.4.7.B.1	biased sample convenience sample population random sample simple random sample stratified random sample systematic random sample unbiased sample voluntary response sample	Why is sampling an important part of the manufacturing process, and how can you illustrate your answer with an unbiased and a biased sampling method you can use to check the quality of DVDs?	Identify various sampling techniques, determine the validity of a sample and predict the actions of a larger group	Valid Sampling Flow Chart Guided Examples Plickers Activity	Plickers Activity	Homework Plickers Activity
Theoretical and Experimental Probability 1 Day	C.C.2.4.7.B.3	experimental probability theoretical probability uniform probability model	How can I compare and contrast the theoretical and experimental probabilities in the following real-world problem involving	Find and compare the experimental and theoretical probabilities Predict the actions of a larger group	Guided notes Probability WS	Probability WS	Probability WS

			choosing socks from a drawer? *Jasmine's sock drawer has 8 white pairs, 5 black pairs, 7 navy pairs, 3 khaki pairs, and 12 other pairs. She randomly selected a pair of socks 20 times and selected a navy pair 6 times*.				
Review/Test 2 Days							

Unit:	**5 Powers and Roots** (Chapter 4)
Big Ideas:	Operations with Rational Numbers
Unit Essential Questions:	Why is it useful to write numbers in different ways?

Concept & Pacing	**New Emphasis (Pa Core Standard)**	**Key Vocabulary**	**Essential Questions**	**Competencies (skills, knowledge, abilities)**	**Mini-Lessons/Activities**	**Instructional Materials**	**Assessments**
Powers and Exponents 1.5 Day	C.C.2.2.8.B.1	base exponent power	What are some advantages to using exponents to represent numeric values?	Write and evaluate expressions containing exponents	Guided Examples and Practice	Skills Practice	Homework Skills Practice
Negative Exponents 1.5 Day	C.C.2.2.8.B.1	negative exponent	What is the difference between the expressions $(-3)^4$ and 3^{-4}?	Write and evaluate expressions using negative exponents	Guided Examples Guided Practice	Skills Practice	Homework Skills Practice
Multiplying and Dividing Monomials 1 Day	C.C.2.2.8.B.1	monomial	How can you use division of powers to divide large numbers?	Multiply and divide monomials	Guided Examples and Practice	Skills Practice	Homework Skills Practice

Cut/Paste Exponents Puzzle Activity 1 Day	C.C.2.2.8.B.1			Students match "Question" tiles with correct simplified "Answer" tiles	Project	Scissors Glue Project WS	Project
Scientific Notation 1 Day	C.C.2.2.8.B.1	scientific notation standard form	Why is the conclusion that 7.8×10^3 is greater than 6.5×10^2 because 7.8 > 6.5 incorrect?	Write, compare, and order numbers in scientific notation	Guided Examples Guided Practice	Skills Practice	Homework Skills Practice
Compute with Scientific Notation 1 Day	C.C.2.2.8.B.1		How does writing numbers in different ways help to make it easier to compute with very large or very small numbers?	Add, subtract, multiply and divide numbers written in scientific notation	Guided Examples Guided Practice	Skills Practice	Homework Skills Practice
Square and Cube Roots 1 Day	C.C.2.2.8.B.1	Square root perfect square radical sign cube root perfect cube	Why is it useful to write numbers in different ways?	Find and estimate square root and cube roots	Bookwork Worksheet	Book Worksheet	Homework Worksheet
Review and Test 2 Days					Review WS Test		Review WS Test

Unit:	**End of Year Career Project**
Big Ideas:	Effective Decision Making Skills
Unit Essential Questions:	How does our decisions in 8th grade and high school prepare us for college or finding a job? How is math used in the careers that I am interested in?

Concept & Pacing	**New Emphasis (Pa Core Standard)**	**Key Vocabulary**	**Essential Questions**	**Competencies (skills, knowledge, abilities)**	**Mini-Lessons/Activities**	**Instructional Materials**	**Assessments**
Career Project		Undergraduate degree Major	What decisions will I make now to help me obtain my goals?		Career Project	Outline	Rubric (Essay)