

Kindergarten Curriculum Map

September	October	November	December	January	February	March	April	May	June
In, out, over and under Top, middle, bottom In front and behind Left and right	Sorting and classifying by size, length, use and color Recognize basic shapes	Same, more, and fewer Estimate, graphing	Solving problems, making lists, writing numbers 0-6, comparing sets of objects	Writing numbers 7-12, comparing sets of objects, ordinal numbers 1-6, pictographs, tally marks 1-12	Before and after, sequencing, basic time to the hour, money	Measurement, height and width, weight and capacity, temperature, equal parts	Identifying counting and ordering 0-100, comparing sets of objects, making predictions	Addition, review 0-30, join sets of equal numbers	Subtraction, number line, review money

**Kindergarten
EnVision Math**

Kindergarten

UNIT: Counting and Cardinality

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Read, write, count, draw and model numbers 0-100	<ul style="list-style-type: none"> * Sing number song that tells how to form each letter. * Count manipulatives in different stations around the classroom and record answers. * Play number memory to practice identifying numbers with a partner. 	Chapter 3, Lessons 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8	K. CC 1-5	<ul style="list-style-type: none"> * Unit 2 Test and Performance Assessment * Enrichment: Make a Table and Graph * Cumulative Review
Use ordinal numbers to show position	Give each student a large number card and have them stand in the correct order.	Chapter 3, Lesson 3.10	K. CC 1-2	<ul style="list-style-type: none"> * Unit 4 Test and Performance Assessment
Counting forward beginning from a given number within the known sequence	Compare objects around the classroom using the terms more, fewer and same.	Chapter 4, Lesson 4.1	K. CC 5-6	<ul style="list-style-type: none"> * Enrichment: Odd and Even Numbers * Cumulative Review
Compare sets to identify more, same and fewer		Chapter 4, Lesson 4.2		
Compare two numbers between 1 and 10 presented as written numerals.		Chapter 4, Lesson 4.3		
Collect and sort data to create	* Graph in small and whole	Chapter 4, Lesson 4.4	K. MD 3	<ul style="list-style-type: none"> * Unit 8 Test and

graphs using objects	<p>groups.</p> <ul style="list-style-type: none"> * Graph their favorite story read during the week. * Give colored manipulatives. Have the students sort by color, then graph. 	Chapter 4, Lesson 4.4		<p>Performance Assessment</p> <ul style="list-style-type: none"> * Enrichment: Hundred Chart * Cumulative Review
Sort objects by one attribute to make graphs				

Sort objects by various attributes to make a pictograph		Chapter 4, Lesson 4.5		
Work with numbers 11-19 to gain foundations for place value	<ul style="list-style-type: none"> * Sing number song that tells how to form each letter. * Count manipulatives in different stations around the classroom and record answers. * Play number memory to practice identifying numbers with a partner. * Use objects or drawings, and record each composition or decomposition by a drawing or equation. 	Chapter 7, Lessons 7.1, 7.2, 7.3, 7.4, 7.5, 7.7, 7.8	K. CC 1-5	
Identify shapes as two-dimensional or three-dimensional.	Identify and describe shapes		K.G. 3	
Analyze, compare, create, and compose shapes.	<p>Analyze and compare two and three dimensional shapes, in different sizes and orientations using informal language to describe their similarities, differences, parts and other attributes.</p> <p>Model shapes in the world</p>		K.G. 1-4	

	by building shapes from components.			
Make and recognize reasonable estimate for numbers 12 and less	Place cubes in a clear plastic jar. Each student will look quickly and take a guess at how many cubes they think there are in the jar. Make a class graph to show their guesses.	Chapter 8, Lesson 8.4, 8.5	K. CC 4-5	

Count, represent, and recognize numbers 10 – 20		Chapter 15, Lessons 15.1, 15.2, 15.3, 15.4, 15.5	K. CC 1-5	
Order numbers 10 – 20	Give each student a large number card and have them stand in the correct order.	Chapter 15, Lesson 15.6	K. CC 1-4	
Count on from 10 to 19 using pennies	Explain that a penny is worth 1 cent. Then have the students toss the coin 10-19 times and graph the amount of times it lands on heads or tails.	Chapter 8, Lesson 15.7	K. CC 2	
Use benchmarks to estimate 20 and less		Chapter 8, Lesson 15.8	K. CC 4-5	

Kindergarten

UNIT: Geometry

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Recognize and name circles and rectangles	Distribute attribute blocks of circles and rectangles. Have them hold up a rectangle and ask them discuss how many sides it has. Then talk about the circle. Have the students sort the blocks by color, shape and size.	Chapter 5, Lesson 5.1	K. G 2	* Unit 3 Test and Performance Assessment * Enrichment: Paths and Mazes * Cumulative Review
Recognize and name squares and triangles	Distribute triangle and square attribute blocks. Place them under a piece of	Chapter 5, Lesson 5.2		

	paper and have them use the side of a crayon to rub gently across the page and see which shapes appear.			
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Combine shapes to make larger shapes	Cut out a large shape for each student. They will use their shapes like puzzle pieces to build a larger shape.	Chapter 5, Lesson 5.4	K.G 6	
Create symmetrical pictures	Have each child fold a piece of paper in half. Next dab blots of paint on one half of the paper. Have them refold their papers and press on their paper. Reopen the paper and discuss what they see.	Chapter 5, Lesson 5.5	K.G 4-6	
Recognize and represent fractional parts of a whole	Give students a hexagon and then combine trapezoids and rhombuses to show the hexagon shape. Discuss how they were able to show 2 equal parts, 3 equal parts by stacking the small shapes on the larger hexagon.	Chapter 5, Lesson 5.6	K. G 6	
Identify and model halves	Give students cookie cutters and clay. Have them roll the clay, use the cookie cutters and divide their shapes in half with a plastic knife.	Chapter 5, Lesson 5.7	K.G 6	

Kindergarten

UNIT: Measurement and Data

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Identify activities that take place at different times of the day	Discuss morning, afternoon and night. Distribute spinners that have 3 sections (morning, afternoon and night). Take turns spinning and describe an activity that they might do at the time of day shown.	Chapter 9, Lesson 9.1	K. MD 1	* Unit 5 Test and Performance Assessment * Enrichment: Dollar * Cumulative Review
Name and order days of the week	Distribute a calendar for the month. Have the students cut and past the days of the week in the correct order. Fill out the numbers on the calendar and ask questions about different dates.	Chapter 9, Lesson 9.2		
Understand there are 12 months in a year	Have each month written on index cards. Have students work together to put the months in the correct order on the board. Ask questions using before and after.	Chapter 9, Lesson 9.2		

Use comparative words to describe temperature	Have students fold a paper in 4 sections. Have them draw themselves wearing clothing for each season. They can write the season and temperature words such as hot, cold, warm, and cool in each box.	Chapter 9, Lesson 9.3	K. MD 1-2	
Use a calendar to answer questions	Display a large calendar for whichever month you are in. Have the children answer questions by pointing to the calendar.	Chapter 9, Lesson 9.4	K. MD 2	
Gauge time in terms of length of activity	Have the students roll play 2 different tasks at the same time to see which one would take more and less time.	Chapter 9, Lesson 9.5	K. MD 1-3	
Order events with respect to time	Have the students fold a paper in 4 sections. Have them draw how they looked as a baby, toddler, kindergartener and what they will look like in the future.	Chapter 9, Lesson 9.6	K. MD 1-3	
Use analog clock to tell time to the hour	Display a large clock. Distribute smaller clocks to each student. Have them identify the short and long hands explaining that when	Chapter 9, Lesson 9.7	K. MD 1	

	the long hand is on the 12 it shows 0 minutes. Have them practice showing different times to the hour.			
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Use digital clock to tell time	Set a digital clock to different times to the hour. Show times from the class schedule (i.e. snack, lunch, arriving and leaving school).	Chapter 9, Lesson 9.8	K. MD 1	
Compare digital and analog clocks	Give each student their own small analog clock. Display a variety of times to the hour on a digital clock and have the students set their analog clocks to the same time.	Chapter 9, Lesson 9.9	K. MD 1	
Sort and graph coins by attributes	Distribute 12 coins and a 3 sectioned mat to each student. Have them sort the coins into 3 groups of small, medium and large coins.	Chapter 10, Lesson 10.1	K. MD 1	
Identify value of a penny	Explain that a penny equals 1 cent. Give each student 10 pennies. Show an amount on an index card and have the students count out that amount in pennies.	Chapter 10, Lesson 10.2	K. MD 1	
Count and compare sets of pennies	Give each student a 4 sectioned mat. Place pennies under the paper and have them rub a crayon over it to produce an image	Chapter 10, Lesson 10.3	K. MD 1	

	of the pennies. Have them write the amount in each section.			
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Identify value of a nickel and compare to a penny	Teach the difference in appearance and value of a penny and nickel. Distribute pennies and nickels to each child. Have the students show different amounts of money using nickels and pennies.	Chapter 10, Lesson 10.3	K. MD 1	
Identify value of a dime, relate to a penny	Teach the difference in the appearance and value of a penny and dime. Create a classroom store and have the students take turns buying items using pennies, nickels and dimes.	Chapter 10, Lesson 10.4	K. MD 1	
Identify value of a quarter, relate to nickels, dimes, and pennies	Show each coin and review how much each is worth. Explain the quarter is worth 25 cents or 25 pennies. Fold a paper in 4 sections. Have the students make rubbings of the heads and tails side of all 4 coins in each section. and label each one.	Chapter 10, Lesson 10.5	K. MD 1	

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Compare length	Have the students count out 5 cubes and put them	Chapter 11, Lesson 11.1	K. MD 1-2	* Unit 6 Test and Performance

	together. Have them find objects that are shorter or longer than it. Then have them try to find something that is the same length.			Assessment
Order by length	Give each group a strip of paper, sheet of paper, glue and scissors. Cut the strips into 3 or 4 different lengths and order them by length on the large sheet of paper. Repeat this ordering the strips by height identifying tallest to shortest.	Chapter 11, Lesson 11.2	K. MD 1-2	* Enrichment: Measure With a Ruler
Measure length	Give each child 5-10 paper clips. Have them measure different objects such as their pencil, book, crayon, pencil box, etc.	Chapter 11, Lesson 11.3	K. MD 1-2	* Cumulative Review
Estimate length	Lay strips of masking tape on a table to create paths of different lengths. Use crayons as measuring units. Hold a crayon at the end of a path and discuss about how many crayon lengths it is. Repeat for a second and third path.	Chapter 11, Lesson 11.4	K. MD 1-2	
Explore concept of area	Use post-its measure the surface area of their pencil book and/or math	Chapter 11, Lesson 11.5	K. MD 1-2	

	workbook.			
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Compare weight	Use a balance and have the students predict what will happen if you place 6 yellow blocks on one side and one yellow block on the other. Then show what happens. Repeat this with a variety of objects.	Chapter 12, Lesson 12.1	K. MD 1-2
Order by weight	Give child 12 books of about the same size. Have them separate the books into 2, 4, and 6 books. Discuss which stack is the lightest and heaviest.	Chapter 12, Lesson 12.2	K. MD 1
Measure weight	Place 3 pennies on one side of the balance. Let a child add pennies to the other side until it is level. Place a crayon or marker on one side and have the students add pennies to the other side until it is level.	Chapter 12, Lesson 12.3	K. MD 1
Estimate weight	Have the students hold a handful of 10 pennies. See if they can estimate which objects may weigh the same as the 10 pennies. Then use balance to check their answers.	Chapter 12, Lesson 12.4	K. MD 1
Compare capacity	Have a large bowl and	Chapter 12, Lesson 12.5	K. MD 1

	small bowl. The child pours beans into the small bowl until full. Then pour it into the large bowl and discuss why it is not full.			
Order by capacity	Display 3 containers of different sizes. Discuss which container would hold the most and least. Order the containers according to the predictions and have the children pour water nearly to the top of the container that will hold the least. Pour it into the other containers and discuss why it does not fill the container to the top.	Chapter 12, Lesson 12.6	K. MD 1	
Measure capacity	Display 2 identical containers. Put sand in one bowl and rice in the other. Predict how many scoops it will take to fill each bowl. See how many scoops of each it will take to fill each bowl.	Chapter 12, Lesson 12.7	K. MD 1	
Estimate capacity	Show a scoop and container. Predict how many scoops will fill a small container. Compare a cup to the scoop and	Chapter 12, Lesson 12.8	K. MD 1	

	predict how many cups will fill the container.			
Identify tools for measuring time, length, weight, capacity, and temperature	Show a ruler, measuring tape, clock, balance, scale, measuring cups and thermometer. Have the students share what they know about the tools and discuss their uses.	Chapter 12, Lesson 12.9	K. MD 1	

Kindergarten

UNIT: Operations and Algebraic Thinking

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Model and record addition facts through 10	Have a volunteer stack 4 blocks and then add one more. Explain that you just increased the number of blocks. Model the addition problem on the board.	Chapter 13, Lesson 13.1, 13.2, 13.3, 13.4, 13.5, 13.6, 13.7	K. OA 1-5	* Unit 7 Test and Performance Assessment * Enrichment: Missing Addends
Model and record subtraction facts through 10	Provide children with different objects. Have children act out subtraction problems. An example: One student has 7 blocks and gave one away. How many do they have left?	Chapter 14, Lesson 14.1, 14.2, 14.3, 14.4, 14.5, 14.6	K. OA 1-5	* Cumulative Review
Decide whether to add or subtract in problem situations	Write a simple addition of subtraction problem on the board and have them act	Chapter 14, Lessons 14.7, 14.8	K. OA 1	

	out the problem to find the answer.			
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Kindergarten
Measurement

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		* Student activities * Teacher observations * Completed projects * Chapter tests
Use manipulatives to create patterns	Give students manipulatives. Have them create patterns and have a partner finish their pattern.	Chapter 1, Lesson 1.9	K. MD 3	
Use a logical rule to sort items	Give each group a variety of manipulatives and have them practice sorting by shape, size, color and use.	Chapter 2, Lesson 2.7	K. MD 3	
Use a graph to interpret data and answer questions	Complete a class graph of their favorite book. Discuss which book was the most and least popular.	Chapter 4, Lesson 4.6	K. MD 3	
Use pictures to solve real-world problems	Give samples of pictures (i.e. a child with a plate of 5 cookies, eating one) and have the students create addition and/or subtraction problems for each picture.	Chapter 5, Lesson 5.8	K. OA 1-4	
Identify likelihood of a given situation	Display a bag and tell the children that there are ten cubes inside. Explain that they will choose a cube,	Chapter 5, Lesson 5.9	K. OA 1-4	

	name it's color and put the cube back in the bag. Tally the colors of chosen cubes. Do the activity again after predicting which color would most likely come out.			
Predict and record outcomes of activities dependent on chance	Place 5 yellow cubes and one green cube in a bag. Predict the likelihood of drawing a color from the bag.	Chapter 5, Lesson 5.10	K. OA 1-4	

Solve a problem by Acting it Out	Give a group of students a situation to act out and create an addition or subtraction problem to solve.	Chapter 11, Lesson 11.6	1 MD 4	
Solve problems by exploring relationships between items	Compare 2 bowls of different objects and discuss why they are the same and different.	Chapter 12, Lesson 12.10	1 MD 4	
Use Guess and Check model	Prepare bowls with 20, 17 and 12 counters. Display the bowl of 20. Ask a child to place these counters on the ten-frame and identify the number. Replace the counters in the bowl and label it 20. Repeat this with the other 2 bowls.	Chapter 15, Lesson 15.9	1 OA 1-2	

GRADE 1
EnVision Math

SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
Number concepts	Subtraction concepts	Addition Strategies through 10	Plane and solid shapes
Addition concepts	Data and Graphing	Subtraction Strategies through 10	Spatial sense and patterns

JANUARY	FEBRUARY	MARCH	APRIL
Fractions and Probability Place Value to 100 Order and compare numbers	Number patterns Time and Calendar Using Money	Addition Facts through 12 Subtraction Facts through 12	Length and Weight Capacity and Temperature
MAY	JUNE		
Addition Facts through 20 Subtraction Facts through 20	Adding 2 digit numbers Subtracting 2 digit numbers		

Grade 1

Number and Operations in Base Ten

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		Practice workbook Homework book Re-teach activity Class activity
Recognize, count, order, and compare numbers and sets through 20	Number cards 0-20 Use counters to model numbers. Word names and pictures; count	Unit 1 Chapt 1 Number Concepts Lesson 1.3, 1.4	1 NBT 1,2	
Identify, read, write, order and compare numbers through 100	Number 1-100 chart Pictorial model	Unit 4; Chapt 11 Numbers Through 100 Lessons 10.1-10.8	1 NBT 1,2	
Count and regroup tens and	Connecting tubes	Chapter 4; Chapt 10	1 NBT 2	

ones		Lessons 10.2-10.8		Unit Tests Performance Assessment Enrichment activities Cumulative Assessments
Identify place value through 99	Use place value chart	Unit 4; Chapt 10 Lesson 10.6	1 NBT 2	
Estimate using a group of 10 as a benchmark	Model estimating using a group of 100	Unit 4; Chapt 11 Lesson 11.3	1 NBT 4-6	
Skip count by 2's to 100	Use spinner to skip count by 2's for each spin.	Unit 4; Chapt 12 Lessons 12.1-12.5	1 NBT 1	
Skip count by 5's to 100	Use spinner- How many x skip count by 5's	Unit 4; Chapt 12 Lessons 12.1-12.5	1 NBT 1	
Identify 1 more, 1 less, 10 more, 10 less than a number	Draw pictures to solve.	Unit 4; Chapt 12 Lesson 12.3	1 NBT 3	
Understand place value	Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols.	Unit 4; Chapt 12 Lesson 12.3	1 NBT 3	
Understand place value	Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.	Unit 4; Chapt 12	1 NBT 5	
Understand place value	Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range of 10-90 using concrete models or drawings and strategies based on place	Lesson 12.3	1 NBT 6	

	value, properties of operations, and the relationship between addition and subtraction.		
Understand place value	Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10 using concrete models of drawings and strategies based on place value.	Unit 4; Chapt 12	1 NBT 4

Grade 1

Operations and Algebraic Thinking

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Model addition as increasing	Counting on number line.	Unit 1; Ch 2; Lesson 2.1	1 OA 3 and 1	Practice workbook
Model addition as part-part-whole	Part-part-whole board/transparency	Unit 1; Ch2; Lesson 2.2	1 OA 3	Homework book
Use symbols in addition	Pictorial representations.	Unit 1; Ch2; Lesson 2.3	1 OA 3, 1 OA 7	Re-teach activity
Add with zero	Use of pictures/2-color counters.	Unit 1; Ch2; Lesson 2.4	1 OA 3	Class activity
Understand the order property of addition	Cube train.	Unit 1 Chapt 2; Lesson 2.5	1 OA 3	Unit Tests
Write addition sentences in vertical form	Connect cubes in 2 colors. Draw a picture to match story.	Unit 1 Chapt 2; Lesson 2.7	1 OA 3,7	Performance Assessment
Use addition to solve story problems	Use counters; draw pictures.	Unit 1 Chapt 2; Lesson 2.8	1 OA 1-2	

Model subtraction	Use cubes Model Subt Stories Number cards	Unit 1 Chapt 3; Lesson 3.1	1 OA 4	Enrichment activities
Model subtraction using parts and wholes	Write subt. facts in game spaces on simple game board that looks like a bowl of cereal. Roll number cube to advance spaces. Part-part-whole work mat	Unit 1 Chapter 3 Lesson 3.2	1 OA 4	
Use symbols to subtract	Pictorial representation	Unit 1;Ch3;Lesson 3.1	1 OA 4, 1 OA 7	
Write subtraction sentences	Use of counters.	Unit 1;Ch3;Lesson 3.4	1 OA 4	
Subtract zero	Use of counters.	Unit 1;Ch3;Lesson 3.5	1 OA 4	
Subtract in vertical form	Use connecting cubes.	Unit 1;Ch3;Lesson 3.7	1 OA 4	
Use addition strategies to find sums through 10	Model problem w/ counters Make graph, tally chart	Unit 2; Chap 5; Lessons 5.1-5.4	1 OA 6	
Use subtraction strategies to subtract from 10 or less	2 sets of number cards 0-5 per group. Take turns drawing 2 cards. Use numbers to write facts.	Unit 2; Chap 6; Lessons 6.1-6.4	1 OA 6	
Use related facts to solve addition and subtraction problems	Work mat Dominoes Number Cards	Unit 2 Chapter 6 Lessons 6.4; 6.5;6.6	1 OA 6-7	Practice workbook
Solve problems by choosing the correct operation	Work mat 3 Counters	Unit 2 Chapter 6 Lesson 6.7	1 OA 1	Homework book Re-teach activity
Use addition strategies to find sums through 12	Use of Number line	Unit 6 Chap 6; Lesson 15.1	1 OA 3	Class activity
Use a 10 frame to make sums of 10	Ten frame mat Counters	Unit 6 Chapt 6;Lesson 15.2	1 OA 3	Unit Tests
Find sums greater than 10	Ten Frame;counters;Wkmt 1	Unit 6;Lesson 15.3	1 OA 3	

Use the order property of addition	Workmat 3 Counters	Unit 6;Chapt 6 Lesson 15.4	1 OA 3	Performance Assessment
Find a missing addend	Connect cubes	Unit 6;Lesson 15.7	1 OA 8	
Count back to subtract	Use of number line. Use vocab. Cards for count on/count back.	Unit 6;Chapt 6 Lesson 16.1	1 OA 6	Enrichment activities
Use parts and wholes to subtract facts through 12	Part.part.whole transparencies, counters	Unit 6;Chapt 6 Lesson 16.2	1 OA 3	Cumulative Assessments
Relate addition and subtraction facts to solve problems	Model Blank Transparency	Unit 6;Chapt 6 Lesson 16.3	1 OA 4	
Find the sum of two and three addends to 20			1 OA 3	
Subtract from 20	Model Subt; Transparency	Unit 8; Lesson 20.4	1 OA 6	
Add 2-digit numbers including money amounts, without regrouping	Model two digit numbers Workmat 10	Unit 8; Lesson 21.3 Chapt 8	1 OA 6	
Add and subtract within 20, demonstrating fluency for addition and subtraction within 10.	Model Subt; Transparency	Unit 8; Lesson 20.4	1 OA 6	
Understanding the meaning of the equal sign, and determine if equations involving additional and subtraction are true and false.	Model Subt; Transparency	Unit 8; Lesson 20.4	1 OA 6	
Determine the unknown whole number in an additional or subtraction equation relating three whole	Model Subt; Transparency	Unit 8; Lesson 20.4	1 OA8	

numbers.			
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Grade 1

Measurement and Data

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Represent data with a tally chart	Use tallies to record calendar; Number cards	Unit 1;Chapt 4 Lesson 4.1	1 MD 4	Practice workbook
Read, make, and use a pictograph	Draw simple pictograph eg: Pets owned by class	Unit 1;Chapt 4 Lesson 4.2, 4.3	1 MD 4	Homework book
Read a bar graph	Use colored cubes/sort by Color, color graph, drag finger to bottom number	Unit 1;Chapt 4 Lesson 4.4,	1 MD 4	Re-teach activity Class activity
Use a tally chart to make a bar graph	Discuss how to make a bar Graph; squares	Unit 1;Chapt 4 Lesson 4.5	1 MD 4	Unit Tests
Use bar graphs to solve problems	Use colored cubes, connect to make bars, label graph one row per color/place cube rows on graph to match color, follow up with questions eg: How many children like red best? Etc.	Unit 1 Chapter 4 Lesson 4.6	1 MD 4	Performance Assessment Enrichment activities Cumulative Assessments

Grade 1
Geometry

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Identify, describe, classify, compare, and sort plane and solid shapes	Make shape flags using asst. fabric.	Unit 3; Chapter 8 Lesson 8.1;- 8.7	1 G 1,2	Practice workbook Homework book
Reason with shapes and their attributer.	Compose two-dimensional shapes or three dimensional shapes to create a composite share and compose new shapes from the composite shape.	Unit 3; Chapter 8 Lesson 8.1;- 8.7	1 G 1,2	Re-teach activity Class activity Unit Tests Performance Assessment Enrichment activities Cumulative Assessments

Make and identify symmetrical shapes	Fold in half lengthwise, draw half circle and triangle along the fold.	Unit 3;Chapter 8 Lesson 8.8	1 G 3	

				Practice workbook Homework book Re-teach activity Class activity Unit Tests Performance Assessment Enrichment activities
Identify and name $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{4}$ of a region	Use paper, fold into parts, use clay/craft stick to flatten into fraction parts.	Unit 3 Chapter 9 Lesson 9.4	1 G 3	

Grade 1

Measurement and Data

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Tell time to the hour and half-hour using analog and digital clocks	Use mini clocks and digital clocks, blank clock sheets, make paper clocks	Unit 5 Chapter 13 Lesson 13.3;13.4;13.6	1 MD 3	Practice workbook Homework book
Compare time	Use egg timer and ask students to estimate whether an activity takes 1 min. more than 1 min. or less.	Unit 5 Chapter 13 Lesson 13.2	1 MD 3	Re-teach activity Class activity

				Unit Tests Performance Assessment Enrichment activities Cumulative Assessments
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Grade 1

Measurement and Data

Learner will be able to:		Houghton Mifflin 2007		
Estimate and measure length using nonstandard units, inches, and centimeters	Display 3 text books side by side. Ask about how many index cards long are textbooks? Use cube trains to measure classroom objects. Use pattern blocks and count inches long. Use lengths of yarn cut to 2, 3, and 4 feet long and use a foot ruler to measure. Use a 10 cm paper strip. Cut four paper strips and exchange w/partner and estimate length.	Unit 7 Chapter 17 Lesson 17.2	1 MD 1-2	Practice workbook Homework book Re-teach activity Class activity Unit Tests Performance Assessment Enrichment activities
Compare and order length and height of objects	Use of ruler to measure	Unit 7 Chapt 17;Lesson17.3	1 MD 1-2	Cumulative Assessments
Estimate length	Index card activity	Unit 7;Chap 17;17.4	1 MD 1-2	
Measure an object in inches	Pattern block activity	Unit 7;Chap 17;17.3	1 MD 1-2	

and centimeters	Yarn activity			

Grade 1

Operations and Algebraic Thinking

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Draw pictures to solve problems	Use a picture and cubes to compare groups.	Unit 1; Chapter 1 Lesson 1.9	1 OA, 1-2	Practice workbook
Use strategy of Act it Out	Discuss ways to act out a story, such as having children play act the problem or using counters.	Unit 1; Chapter 3 Lesson 3.8	1 OA, 1-2	Homework book Re-teach activity
Use patterns to solve problems	Make repeating pattern quilt using 3 shapes.	Unit 3; Chapter 8 Lesson 8.9	1 OA, 1-2	Class activity
Use models and place value to solve problems	“Model Teammates” Separate the class into 2 teams. One child on each team gets a number sentence card and models his or her card by asking to move into groups. The opposing team gives number sentence being modeled.	Unit 4; Chapter 10 Lesson 10.9	1 OA 1-2	Unit Tests Performance Assessment Enrichment activities Cumulative Assessments
Use a tables to solve problems about elapsed times	Draw a two-column table. Label columns Activity/Time. Fill in class schedule on the table.	Unit 5; Chapter 13 Lesson 13.9	1 MD 4	

Use logical reasoning	Use of clues to solve problems.	Unit 7; Chapter 17 Lesson 17.8	1 OA 1-2	
Solve problems with too much information	Teacher-made index cards with prepared problems. Students sort through info. And cross out what is not needed.	Unit 8;Chapter 20 Lesson 20.7	1 OA 1-2, 1 NBT 2-3	

GRADE 2
EnVision Math

SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
CHAPTER 1 and CHAPTER 2 Numeration Addition Subtraction Identify even and odd numbers Skip count by 2s, 3s, 4s, 5s, 10s Order whole numbers Use ordinal numbers	CHAPTER 3 and CHAPTER 4 Subtraction Develop and use math Vocabulary related to subtracting three-digit numbers	CHAPTER 5 and CHAPTER 6 Count by thousands, hundreds, and tens through 10,000 Place Value Use tables Use models Compare numbers Identify even and odd numbers Skip count by 2s, 3s, 4s, 5s, 10s	CHAPTER 7 and CHAPTER 8 Shapes Angles Solids Symmetry Transformations
JANUARY	FEBRUARY	MARCH	APRIL
CHAPTER 9 and CHAPTER 10 Fractions Compare Fractions	CHAPTER 11 and CHAPTER 12 Mental math subtract tens regroup tens subtract one digit numbers from two digit numbers subtract two digit numbers /problem solving using a table	CHAPTER 13 and CHAPTER 14 Coins – identify Find value Count Show equal amounts Use coins to show an exact amount	CHAPTER 15 and CHAPTER 16 Identify a quarter and half-dollar; Count on to find value of a group of coins Identify coin combinations Show equal amounts Show an exact amount

		Compare the value of groups of money	Compare the value of groups of money
MAY	JUNE		
CHAPTER 17 and CHAPTER 18 Develop and use math vocab. Estimate, Measure, and Compare lengths using standard and nonstandard units Perimeter and area Weight, capacity, temperature	CHAPTER 19 and CHAPTER 20 Multiplication and division Use repeated addition Skip counting and arrays to multiply Choose most reasonable answer Number sentences Use patterns to solve problems Identify and create patterns Use logical thinking Solve problems		

Grade 2

Number and Operations in Base Ten

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Read, write, estimate, order and compare numbers through 50	Use number cards to match number to written word, Place in order and compare them	Textbook trade books	2NBT1	Practice workbook and/or Homework book and/or R-teach and/or Class activity
Read, write, estimate, order and compare numbers through 10,000	Use number tiles to create larger numbers then compare, read, etc.	Textbook trade books Unit 1 Chapter 1, Unit 1	2NBT4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Count by thousands, hundreds, and tens through	Game spin a number	Textbook trade books Chap. 5, Chap. 6	2NBT4	Practice workbook and/or Homework book and/or Re-teach and/or

10,000		Unit 8, Chap. 20 Journals		Class activity
Identify place value through 10,000 and show numbers in different ways	Math Journal	Textbook trade books Chap. 5, Chap. 6 Unit 8, Chap. 20 Teacher Made Resources	2NBT4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use tables to extend number patterns	Create class tables to demo then do in small group	Textbook trade books Chap. 5, Chap. 6 Unit 8, Chap. 20 Teacher Made Resources	2NBT4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Count, read and write decade numbers	Math Journaling	Textbook trade books Chap. 5, Chap. 6 Unit 8, Chap. 20	2NBT4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use tens and ones models to show numbers to 100	Model on board with ones and tens then place race to 100.	Textbook trade books Chap. 5, Chap. 6 Unit 8, Chap. 20 Teacher Made Resources	2NBT4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Identify place value of tens and ones place	Skill and drill	Textbook trade books Chap. 5, Chap. 6 Unit 8, Chap. 20	2NBT4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Show numbers in different forms	Cross number puzzle	Textbook trade books Chap. 5, Chap. 6 Unit 8, Chap. 20	2NBT4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Compare numbers using symbols	Make alligator $><$ puppets.	Textbook trade books Chap. 5, Chap. 6 Unit 8, Chap. 20 Teacher Made Resources	2NBT4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Understand place value.	Read and write numbers to	Textbook trade books	2NBT3	Practice workbook and/or

	1000 using base-ten numerals, number names, and expanded form.	Chap. 5, Chap. 6 Unit 8, Chap. 20		Homework book and/or Re-teach and/or Class activity
Use of place value understanding and properties of operations to add and subtract.	Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.	Textbook trade books Chap. 5, Chap. 6 Unit 8, Chap. 20	2NBT5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use of place value understanding and properties of operations to add and subtract.	Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and the relationship between addition and subtraction.	Textbook trade books Chap. 5, Chap. 6 Unit 8, Chap. 20 Teacher Made Resources	2NBT7	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use of place value understanding and properties of operations to add and subtract.	Add up to four two-digit numbers using strategies based on place value and properties of operations.	Textbook trade books Chap. 5, Chap. 6 Unit 8, Chap. 20 Teacher Made Resources	2NBT6	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Grade 2

Number and Operations in Base Ten

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Use addition properties and fact families to find sums of two and three numbers to 20	Make fact family houses	Textbook trade books Chapter 2, Unit 1 Teacher Made Resources	2 NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use the inverse relationship of addition and subtraction to find missing addends	Play number detective game	Textbook trade books Chapter 2, Unit 1 Teacher Made Resources	2 NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or

				Class activity
Develop and use math vocabulary relating to adding three-digit numbers	Math journals	Textbook trade books Chapter 2, Unit 1 Journal	2 NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use mental math and patterns to add	Play around the world	Textbook trade books Chapter 2, Unit 1 Teacher Made Resources	2 NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Add three digit numbers, with and without regrouping	Use dice to create 3-digit problems and solve.	Textbook trade books Chapter 2, Unit 1 Teacher Made Resources	2 NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use of place value understanding and properties of operations to add and subtract	Mentally add 10 or 100 to a given number 100-900 and mentally subtract 10 or 100 from a given number 100-900.	Textbook trade books Chapter 2, Unit 1 Teacher Made Resources	2 NBT 8	Practice workbook and/or
Use of place value understanding and properties of operations to add and subtract	Estimate lengths using units of inches, feet, centimeters, and meters.	Textbook trade books Chapter 2, Unit 1 Teacher Made Resources	2 NBT 9	Homework book and/or
Use subtraction properties and fact families to find differences of two and three numbers from 20	Create fact families with dice and find differences.	Textbook trade books Chapter 3, Unit 1	2NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use subtraction to compare two sets	Play beat the clock game.	Textbook trade books Chapter 3, Unit 1 Teacher Made Resources	2NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use mental math and estimation to subtract	Work in small groups. Use dice and solve.	Textbook trade books Chapter 3, Unit 1 Practice, re-teach, and	2NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

		extend books.		
Decide when to regroup to subtract 2-digit numbers	Math journal.	Textbook trade books Chapter 3, Unit 1 Journal	2NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Subtract 2-digit numbers with and without regrouping	Skill and drill.	Textbook trade books Chapter 3, Unit 1 Practice, re-teach, and extend books.	2NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use addition to check subtraction	Do Crisscross Applesauce Act	Textbook trade books Chapter 3, Unit 1 Teacher Made Resources	2NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Develop and use math vocabulary related to subtracting three-digit numbers	Skill and drill.	Textbook trade books Chapter 3, Unit 1 Practice, re-teach, and extend books.	2NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Use mental math and patterns to subtract	Skill and drill	Textbook trade books Chapter 3, Unit 1	2NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Subtract three-digit numbers with and without regrouping	Skill and drill.	Textbook trade books Chapter 3, Unit 1 Practice, re-teach, and extend books.	2NBT 5	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Identify even and odd numbers	Read Even Steven/Odd Todd	Textbook trade books Chapters 1-6, Unit 1	2NBT 1	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Skip count by 2s, 3s, 4s, 5s, 10s	Read trade book Skip Counting.	Textbook trade books Chapters 1-6, Unit 1	2NBT 1	Practice workbook and/or Homework book and/or

		Practice, re-teach, and extend books.		Re-teach and/or Class activity
Order whole numbers	Pick number tiles and order.	Textbook trade books Chapters 1-6, Unit 1 Teacher Made Resources Practice, re-teach, and extend books.	2NBT 1	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use ordinal numbers	Pick order number cards and order.	Textbook trade books Chapters 1-6, Unit 1 Teacher Made Resources Practice, re-teach, and extend books.	2NBT 1	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Extend, describe, and create repeating and growing patterns	Use pattern blocks to create patterns.	Textbook trade books Chapters 1-6, Unit 1 Practice, re-teach, and extend books.	2NBT 1	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Grade 2

UNIT: Measurement and Data

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Take a survey, interpret and create pictographs and bar graphs	Conduct classroom surveys and make graphs.	Textbook trade books Chapters 4, Unit 1 Practice, re-teach, and extend books.	2MD 10	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Read and make line graphs and Venn diagrams	Use class graphs to make line/Venn.	Textbook trade books Chapters 4, Unit 1 Practice, re-teach, and extend books. Teacher Made Resources	2MD 10	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Use probability to determine fairness	Unifix cubes in bags to determine probability.	Textbook trade books Chapters 4, Unit 1 Practice, re-teach, and extend books. Teacher Made Resources	2MD 10	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Locate objects on a coordinate grid	Play hurkle.	Textbook trade books Chapters 4, Unit 1 Practice, re-teach, and extend books. Teacher Made Resources	2MD 10	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Explore the likelihood of an event and the concept of fair and unfair using probability	Skill and drill.	Textbook trade books Chapters 4, Unit 1 Practice, re-teach, and extend books.	2MD 10	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Measure and estimate lengths in standard units.	Estimate lengths using units of inches, feet, centimeters, and meters.	Textbook trade books Chapters 4, Unit 1 Practice, re-teach, and extend books. Teacher Made Resources	2MD 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Measure and estimate lengths in standard units.	Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.	Textbook trade books Chapters 4, Unit 1 Practice, re-teach, and extend books.	2MD 4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Grade 2

UNIT: Geometry

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Identify, classify, and describe plane shapes	Create plane shape charts with mag. Pictures.	Textbook trade books Chapters 7, 8 Unit 3 Practice, re-teach, and	2 G 2	Practice workbook and/or Homework book and/or Re-teach and/or

		extend books. Teacher Made Resources		Class activity
Identify, classify, and describe angles	Skill and drill.	Textbook trade books Chapters 7, 8 Unit 3 Practice, re-teach, and extend books.	2 G 2	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Identify, classify, and describe solid shapes	Use solid shapes and match to plane shapes.	Textbook trade books Chapters 7, 8 Unit 3 Practice, re-teach, and extend books.	2 G 2	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Identify and draw congruent shapes and lines of symmetry	Make butterfly sym. Pics.	Textbook trade books Chapters 7, 8 Unit 3 Practice, re-teach, and extend books.	2 G 2	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Identify transformations of shapes	Draw/Show slide, flip	Textbook trade books Chapters 7, 8 Unit 3 Practice, re-teach, and extend books.	2 G 2	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Reason with shapes and their attributes.	Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces.	Textbook trade books Chapters 7, 8 Unit 3 Practice, re-teach, and extend books.	2 G 1	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Reason with shapes and their attributes.	Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half, a third.	Textbook trade books Chapters 7, 8 Unit 3 Practice, re-teach, and extend books.	2 G 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Identify unit fractions and understand the meaning of the term fraction	Use Fraction Fun Factory	Textbook trade books Chapter 9 Unit 3 Practice, re-teach, and extend books.	2 G 2	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

		Teacher Made Resources		
Identify and write fractions	Skill and drill	Textbook trade books Chapter 9 Unit 3 Practice, re-teach, and extend books.	2 G 2	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Compare fractions using symbols	Use Fraction Fun Factory	Textbook trade books Chapter 9 Unit 3 Practice, re-teach, and extend books. Teacher Made Resources	2 G 2	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Identify and write fractions that represent part of a group or set	Skill and drill	Textbook trade books Chapter 9 Unit 3 Practice, re-teach, and extend books.	2 G 2	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Grade 2

UNIT: Measurement and Data

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		
Find value of a set of coins	Use coins to count on.	Textbook trade books Chapters 14, 15 Unit 3 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Identify a quarter and half- dollar; count on to find value of a group of coins	Use quarters and $\frac{1}{2}$ dollars and money cards to match money to groups of coins.	Textbook trade books Chapters 14, 15 Unit 3 Practice, re-teach, and extend books. Teacher Made Resources	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Identify coin combinations greater than and equal to one dollar	Play money BINGO	Textbook trade books Chapters 14, 15 Unit 3 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Show equal amounts with	Skill and drill	Textbook trade books	2MD 8	Practice workbook and/or

different coin combinations		Chapters 14, 15 Unit 3 Practice, re-teach, and extend books. Teacher Made Resources		Homework book and/or Re-teach and/or Class activity
Use coins to show an exact amount of money	Play memory match money game	Textbook trade books Chapters 14, 15 Unit 3 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Compare the value of groups of money	Math journal	Textbook trade books Chapters 14, 15 Unit 3 Practice, re-teach, and extend books. Journals	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Use the fewest coins to show an amount of money	Math journal	Textbook trade books Chapters 14, 15 Unit 3 Practice, re-teach, and extend books. Journals	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Estimate costs	Use circulars to “Play Store”	Textbook trade books Chapters 14, 15 Unit 3 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Add and subtract money amounts	Skill and drill	Textbook trade books Chapters 14, 15 Unit 3 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Make change with pennies and nickels	Use real money to make change – count up.	Textbook trade books Chapters 14, 15 Unit 3 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Understand and estimate	Use stopwatch test and record	Textbook trade books	2MD 8	Practice workbook
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lengths of time	various times activity.	Chapter 16 Unit 6 Practice, re-teach, and extend books. Teacher Made Resources		and/or Homework book and/or Re-teach and/or Class activity
Tell time to the hour and half-hour	Read “Grouchy Ladybug”	Textbook trade books Chapter 16 Unit 6 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Tell time to five minutes and to the minute	Create ladybug clocks	Textbook trade books Chapter 16 Unit 6 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Tell time to the quarter hour	Play time BINGO	Textbook trade books Chapter 16 Unit 6 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Determine elapsed time	Math Journal	Textbook trade books Chapter 16 Unit 6 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Read and understand information on a calendar	Daily Cal. Oct.	Textbook trade books Chapters 14 and 15 Unit 6 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Compare and estimate amount of time	Math Journal	Textbook trade books Chapters 14 and 15 Unit 6 Practice, re-teach, and extend books.	2MD 8	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Develop and use math	Math Journal	Textbook trade books	2 MD 1-4	Practice workbook

vocabulary relating to length		Chapters 17 and 18 Unit 7 Practice, re-teach, and extend books. Journal		and/or Homework book and/or Re-teach and/or Class activity
Estimate, Measure, and compare lengths using standard and nonstandard units	Use rulers and paper clips to measure the room.	Textbook trade books Chapters 17 and 18 Unit 7 Practice, re-teach, and extend books. Teacher Made Resources	2 MD 1	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Find perimeter and area using measurement, models, and grid paper	Math Journal	Textbook trade books Chapters 17 and 18 Unit 7 Practice, re-teach, and extend books. Journal	2 MD 1	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Develop and use math vocabulary relating to weight, capacity, and temperature	Create Math flashcards	Textbook trade books Chapters 17 and 18 Unit 7 Practice, re-teach, and extend books.	2 MD 1	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Estimate and measure capacity, weight, and mass	Math Journal	Textbook trade books Chapters 17 and 18 Unit 7 Practice, re-teach, and extend books. Journal	2 MD 1	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Read a Fahrenheit and Celsius thermometer	Make classroom thermometers	Textbook trade books Chapters 17 and 18 Unit 7 Practice, re-teach, and extend books.	2 MD 1	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Grade 2

UNIT: Operations and Algebraic Thinking

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Houghton Mifflin 2007		

Develop and use math vocabulary relating to multiplication and division	Develop math flashcards	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books. Teacher Made Resources	2 OA 3-4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use repeated addition, skip counting and arrays to multiply	Skittles activity to show arrays	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books. Teacher Made Resources	2 OA 3-4	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Choose most reasonable answer	Math Journals	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books. Journals	2 OA 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Draw a picture	Use white erase boards to solve.	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books.	2 OA 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Write number sentences	Use dice to create number sent.	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books. Teacher Made Resources	2 OA 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

Determine reasonableness of an answer	Math Journals	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and	2 OA 3	Practice workbook and/or Homework book
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		extend books. Journals		and/or Re-teach and/or Class activity
Use patterns to solve problems	Complete pattern books.	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books. Teacher Made Resources	2 OA 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Identify and create geometric patterns	Read “The Greedy Triangle”	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books.	2 OA 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use logical thinking	Math Journaling	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books. Journal	2 OA 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Solve problems using data from a picture	Skill and drill	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books. Journal	2 OA 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Use data from a table to solve problems	Create classroom charts and solve.	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books. Journal	2 OA 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Make a list	Dr. Seuss Act. With hats	Textbook trade books Chapter 19 Unit 8	2 OA 3	Practice workbook and/or

		Practice, re-teach, and extend books. Journal		Homework book and/or Re-teach and/or Class activity
Use models	Manipulatives to solve	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books. Journal	2 OA 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity
Guess and check	Math Journal	Textbook trade books Chapter 19 Unit 8 Practice, re-teach, and extend books. Journal	2 OA 3	Practice workbook and/or Homework book and/or Re-teach and/or Class activity

**GRADE 3
EnVision Math**

September	October	November
<ul style="list-style-type: none"> • numeration • place value • ordering/comparing numbers • ordinal numbers • counting money • making change • odd / even 	<ul style="list-style-type: none"> • addition meaning and properties • adding whole numbers • addition/hundreds chart • mental math • rounding • estimation 	<ul style="list-style-type: none"> • subtraction meanings • subtraction/hundreds chart • mental math • estimating difference • subtraction models
December	January	February
<ul style="list-style-type: none"> • subtraction • repeated addition • arrays • comparing(multiplication) 	<ul style="list-style-type: none"> • division facts • division as sharing • remainders • repeated subtraction 	<ul style="list-style-type: none"> • tables/graphs • time • geometric patterns • equal/unequal

<ul style="list-style-type: none"> • multiplication stories • multiplication facts • factors/products 	<ul style="list-style-type: none"> • division stories • multiplication/division relationship • fact families • number sentences • patterns • number sequences 	<ul style="list-style-type: none"> • solids/shapes • lines/segments/angles • polygons • congruence • symmetry
March	April	May
<ul style="list-style-type: none"> • fractions/regions • fractions/sets • fractional parts • equivalent fractions • comparing fractions • adding like fractions • subtracting like fractions • decimals • adding/subtracting money 	<ul style="list-style-type: none"> • fractions/regions • fractions/sets • fractional parts • equivalent fractions • comparing fractions • adding like fractions • subtracting like fractions • probability <p>Re-visit fractions, measurement and geometry</p>	<ul style="list-style-type: none"> • customary measurement • metric measurement • time/graphing • organizing data <p>Re-visit fractions, measurement and geometry</p>
June	June (continued)	June (continued)
<ul style="list-style-type: none"> • multiplying with greater numbers • dividing with one-digit numbers 	<ul style="list-style-type: none"> • long division • end of the year testing 	<p>Re-visit fractions, measurement and geometry</p>

On-going through-out the year: * NJ ASK prep * Word problems – strategies/logic/steps * Open-ended questions * Writing for Math *
 Calculators
 * Math facts

Grade 3

Number and Operations - Fractions

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2009		
Construct meanings for whole numbers through hundred thousands	Interactive learning with place value blocks	Pgs. 4,5,6,7 Teaching Tool 24 & 25 Recording sheet	3 NF 1-3	Quick check Quizzes Homework End of Unit Test

				Teacher Observation
Represent equivalent forms of whole numbers, commonly used fractions, and decimals	Interactive learning with counters.	Pgs. 10-11	3 NF 1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Compare and order numbers	Interactive Learning Centers Student number line	Pgs. 12-14, 16-17 Teaching Tool 24 & 25	3 NF 1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Count and perform simple computations with money, standard dollars and cents notation	Interactive Learning with bills and coins	Pgs. 18-21, 22-23 Teaching Tool 36	3 NF 1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation

Grade 3

Operations and Algebraic Thinking

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2009		
Use modeling to develop meaning of 4 basic arithmetic operation	Interactive Learning with counters	Pgs. 32-33, 34-35	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Construct, use, and explain procedures for performing whole number calculations with mental math	Interactive Learning Center Activity	Pgs. 32-33, 34-35	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Demonstrate an understanding	Interactive Learning	Pgs. 36-38	3OA1-9	Quick check

of whole number place value concepts	Recording Sheet			Quizzes Homework End of Unit Test Teacher Observation
Construct and use a variety of estimation strategies for quantities and results of computations	Interactive Learning Recording Sheet Center Activity	Pgs. 40-42	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Add 2 digit numbers	Interactive Learning with place-value blocks	Teaching Tool 24 Topic 2	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Add 3-digit numbers	Interactive Learning with place-value blocks	Teaching Tool 24 Topic 2	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Add 3 or more numbers	Interactive Learning Sheet 5	Teaching Tool 24 Topic 2	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Subtract 2 digit numbers	Place value blocks Interactive Learning Sheet 6 “Subtraction Rhyme”	Teaching Tool 24 Topic 3	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Subtract 3 digit numbers	Place value blocks Interactive Learning Sheet 7 “Subtraction Rhyme”	Teaching Tool 24 Topic 3	3OA1-9	Quick check Quizzes Homework End of Unit Test

				Teacher Observation
Subtract across zero	Place value blocks Interactive Learning Sheet 7 “Subtraction Rhyme”	Teaching Tool 24 Topic 3	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation

Understand multiplication and repeated addition	Interactive Learning with two color counters	Teaching Tool 21 Topic 4	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Develop proficiency with basic multiplication and division number facts using fact strategies with 0, 1, 2, 5, 9, 10	Interactive Learning Sheet 8, 9, 10, 11 Two color counters Leveled activities	Teaching Tool 21 Topic 5 and 8	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Develop proficiency with basic multiplication and division number facts using fact strategies with 3, 4, 6, 7, 8, 11 and 12	Interactive Learning with Multiplication War Two color counters	Teaching Tool 21 Topic 6 and 8	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation

Multiply with 3 factors	Interactive Learning with two color tile	Teaching Tool 20 Topic 6	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Estimate products	Interactive Learning Centers	Teaching Tool 24 and 25 Topic 18	3OA1-9	Quick check Quizzes

				Homework End of Unit Test Teacher Observation
Use an expanded algorithm to multiply	Interactive Learning with place value blocks	Teaching Tool 24 Topic 18	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Multiply 2 and 3 digit numbers by a 1 digit number	Interactive Learning with place value blocks	Teaching Tool 24 Topic 18	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Write division stories	Interactive Learning with two color counters	Teaching Tool 21 Topic 7	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use the inverse relationships between addition and subtraction and between multiplication and division	Interactive Learning “Triangle Trios”	Topic 8	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Develop proficiency with basic multiplication and division facts	Multiplication/Division War Division sentence cards Learning Centers Skill and drill	Topics 5, 6, 7, 8, 18, 19	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand fact families with 6 and 7, 8 and 9	Interactive Learning “Fact Family Triangles”	Teaching Tool 21 Topic 8	3OA1-9	Quick check Quizzes Homework End of Unit Test

				Teacher Observation
Divide with 0 and 1	Interactive Learning with two color counters	Teaching Tool 21 Topic 8	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Divide using mental math	Interactive Learning with place value blocks	Teaching Tool 24 and 25 Topic 19	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Estimate quotients	Interactive Learning Center Activity	Teaching Tool 24 and 25 Topic 19	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Divide 2-digit numbers	Interactive Learning with place value blocks	Teaching Tool 24 and 25 Topic 19	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Divide with remainders	Interactive Learning with two color counters	Teaching Tool 21 Topic 19	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation

Grade 3
Geometry

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2009		
Recognize, describe, extend, and create patterns, repeating	Interactive Learning with pattern blocks or tangrams	Teaching Tool 37 Topic 9	3G1-2	Quick check Quizzes

patterns	“Unlock the Pattern”			Homework End of Unit Test Teacher Observation
Recognize, describe, extend, and create patterns, whole number patterns that grow or shrink	Interactive Learning Recording Sheet	Teaching Tool 37 Topic 9	3G1-2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Explore the basic concept of a function: input/output tables, T-Charts	Interactive Learning with two color counters Leveled Centers	Teaching Tool 21 Topic 9	3G1-2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Write rules for patterns	Interactive Learning Recording Sheet	Teaching Tool 21 Topic 9	3G1-2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Recognize, describe, extend, and create patterns; geometric patterns	Interactive Learning ten unit cubes	Teaching Tool 13 Topic 9	3G1-2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use the concepts of greater than, less than, equal to	Interactive Learning with two color counters Alligator Mouth	Teaching Tool 21 Topic 9	3G1-2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use properties of standard 3-dimensional and 2-dimensional shapes to identify, classify, and describe them:	Find a 3-D shape Identify and point to each: face, edge, side etc.	Teaching Tool 39-43 Topic 10	3G1	Quick check Quizzes Homework End of Unit Test

vertex, edge, face, side, angle				Teacher Observation
Use properties of standard 3-dimensional and 2-dimensional shapes to identify, classify, and describe them: 2D figures – square, rectangle, circle, triangle, pentagon, hexagon, octagon	Graph paper Shape Hunt	Topic 10	3G1	Quick check Quizzes Homework End of Unit Test Teacher Observation

Grade 3

Number and Operations - Fractions

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2009		
Divide regions into equal parts	Fraction Strips/Grid Paper Two-colored counters	Teaching Tool 13 Topic 12	3NF1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand benchmark fractions	Fraction Strips	Teaching Tool 13 Topic 12	3NF1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Find equivalent fractions	Fraction Strips/Fraction Action	Teaching Tool 28 Topic 12	3NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use models to compare fractions	Fraction Strips/Skittle Rally	Teaching Tool 28 Topic 12	3NF1	Quick check Quizzes

				Homework End of Unit Test Teacher Observation
Find fractions on a number line	Fraction Strips		3NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use models to add fractions	Fraction Strips/Skill and Drill	Teaching Tool 28 Topic 12	3NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use models to subtract fractions	Fraction Strips/Skill and Drill	Teaching Tool 28 Topic 12	3NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation

Grade 3

Number and Operations - Fractions

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2009		
Use money to understand decimals	Play money/ "Follow the decimal"	Teaching Tool 36 Topic 13	3NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Explore the extension of the place value system to decimals through hundredths	Interactive Learning using grid paper	Topic 13 Teaching Tool 36	3NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation

Add and subtract with money	Ms. _____'s Store/ Play Money	Teaching Tool 36 Topic 13	3NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
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Grade 3

Measurement and Data

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2009		
Incorporate estimation in measurement activities	Interactive Learning with a yard stick Recording Sheet	Topic 14	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation
Select and use appropriate standard units of measure and measurement tools to solve real-life problems; length – fractions of an inch ($\frac{1}{4}$, $\frac{1}{2}$) mile, decimeter, kilometer	Interactive Learning with a ruler Recording Sheet Inch-By-Inch	Teaching Tool 33 Topic 14	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation
Select and use appropriate standard units of measure and measurement tools to solve real-life problems; fluid ounce, cup, gallon, millimeter	Gallon Man “G Diagram”	Topic 14	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation
Select and use appropriate standard units of measure and measurement tools to solve real-life problems; weight – ounce, pound, gram, kilogram	Comparing objects through center activities	Topic 14	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation

Determine perimeter of simple shapes by measuring all sides	Interactive Learning with Ruler	Teaching Tool 13 Topic 16	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation
Determine the area of simple two-dimensional shapes on a square grid	Interactive Learning Recording Sheet Graph paper	Teaching Tool 13 Topic 16	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation
Measure and compare the volume of three-dimensional objects using materials such as rice or cubes	Interactive Learning with Unit Cubes	Topic 16	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation
Tell time to the half hour and quarter hour	Communicators/Judy Clocks	Teaching Tool 34 Topic 17	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation
Tell time to the minute	Judy Clock/Time Check Face clock/fasteners	Teaching Tool 34 Topic 17	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation
Compare and order objects according to measurable units	Calendar Search Interactive Learning with calendar	Teaching Tool 35 Topic 17	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation
Solve problems using elapsed time	Judy Clocks Drill skill and practice	Teaching Tool 34 Topic 17	3MD1-8	Quick check Quizzes Homework

				End of Unit Test Teacher Observation
Tell temperature using degrees Celsius and degrees Fahrenheit	Interactive Learning Recording Sheet Student moveable thermometer Temperature Check using pitchers with water at different temperatures	Topic 17	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation

Grade 3

Measurement and Data

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2009		
Collect, generate, organize, and display data	Tally charts/Vote and Create Graphs “What Is Your Favorite _____”	Teaching Tool 10 Topic 20	3MD1-8	Quick check Quizzes Homework End of Unit Test Teacher Observation
Read, interpret, construct, analyze, generate questions about, and draw inferences from displays of data; bar graphs, pictographs, ordered pairs, line graphs, line plots, and probability	Interactive Learning Recording Sheet Create Graphs/Grid Paper	Teaching Tool 10 Topic 20	3MD1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use every day events and chance devices to explore concepts of more likely, less likely, equally likely	Interactive Learning Recording Sheet	Topic 20	3MD1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Predict probabilities in a	Interactive Learning	Teaching Tool 23	3MD1	Quick check

variety of situations	Recording Sheet	Topic 20		Quizzes Homework End of Unit Test Teacher Observation
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Grade 3

Operations and Algebraic Thinking

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2009		
Make and Organized List	Introduce steps to problem solving Skill and Drill Center Activity	Topic 1	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Draw a Picture	Review steps to problem solving Interactive Learning Centers “Carousel Activity”	Topics 2, 4, 7, 8,	3OA1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Check the reasonableness of computation	Review steps to problem solving Interactive Learning Centers Skill and Drill	Topics 3, 9	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Try a simpler problem	Review steps to problem solving Interactive Learning Centimeter grid paper	Topic 16	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use reasoning to support an answer	Review steps to problem solving Interactive Learning	Topics 3, 9, 14	3OA1-9	Quick check Quizzes Homework

	centers			End of Unit Test Teacher Observation
Make and Test generalizations	Review steps to problem solving Interactive learning using flat shapes Skill and Drill	Topic 10	3OA1-9	Quick check Quizzes Homework End of Unit Test Teacher Observation
Make a table and look for a pattern	Review steps to problem solving “Rule Breaker” Interactive Learning Centers Skill and Drill	Topics 12, 15	3OA1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Find missing or extra information	Review steps to problem solving “Cross It Out” and “What Do I Need?” Activities	Topic 13	3OA1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Act it out	Review steps to problem solving Interactive Learning with counters/unit cubes	Topics 9, 14	3OA1	Quick check Quizzes Teacher Observation Homework End of Unit Test Teacher Observation
Try, check, and revise	Review steps to problem solving Interactive Learning using colored chalk	Topic 16	3OA1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Work backward	Review steps to problem solving Interactive Learning Blank face clocks	Topic 17 Teaching Tool 34	3OA1	Quick check Quizzes Homework End of Unit Test Teacher Observation

Use tables and graphs to draw conclusions	Review steps to problem solving	Topics 15, 20	3OA1	Quick check Quizzes Homework End of Unit Test Teacher Observation
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**GRADE 4
EnVision Math**

September	October	November	December
<u>Math</u> <ul style="list-style-type: none"> • Numeration • Addition • Subtraction • Counting Money • Whole Numbers • Multiplication Meaning 	<u>Math</u> <ul style="list-style-type: none"> • Multiplication Meaning • Properties • Division Meaning • Multiplication by 1 digit • Numerations • Patterns & Expressions 	<u>Math</u> <ul style="list-style-type: none"> • Multiplication • 2 digit numbers • Estimating Products • Multiples of 10 and 100 • Dividing 1 digit numbers • Factors • Prime/ Composite numbers 	<u>Math</u> <ul style="list-style-type: none"> • Lines • Angles • Points • Shapes • Planes • Measuring Angles • Triangles • Polygons
January	February	March	April
<u>Math</u> <ul style="list-style-type: none"> • Understanding Fractions • Add Fractions • Subtracting Fractions • Equivalent Fractions • Simplest Form • Improper Fractions • Mixed Fractions • Like/Unlike 	<u>Math</u> <ul style="list-style-type: none"> • Understanding Decimals • Decimal Place Value • Comparing/Ordering • Fractions/Decimal # lines • Operations with Decimals • Rounding Decimals • Estimating Sums and Differences 	<u>Math</u> <ul style="list-style-type: none"> • Area • Perimeter • Solids • Volume • Time (Units & elapsed) • Temperature • Customary Measurement • Metric System 	<u>Math</u> <ul style="list-style-type: none"> • Data • Graphs • Equations • Line plot • Ordered Pairs • Mean/Median/Mode • Stem-Leaf Plots

Denominators	<ul style="list-style-type: none"> • Multiply Decimals • Divide Decimals 	<ul style="list-style-type: none"> • Mass/Capacity/Length 	
May	June		
Math <ul style="list-style-type: none"> • Transformations • Congruence • Symmetry • Rotational Symmetry • Geometry Review 	Math <ul style="list-style-type: none"> • Probability • Combinations • Outcomes & Tree Diagram • Probability as Fractions • Diagnostic Assessment 		

Grade 4

Number and Operations in Base Ten

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2007		
Construct meaning for whole numbers through millions	Interactive Learning Place value blocks/charts	Teaching Tool 20-21 Pgs. 4-9	4NBT1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Compare and order numbers	Interactive Learning Human Number Line	Recording sheet Pgs. 10-13	4NBT 2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use rounding and mental math to estimate quantities	Interactive Learning Sheet Number line Centers	Teaching Tool 8 Pgs. 14-15	4NBT 3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use money to understand	Bills/coins/place value	Teaching Tool 4/30	4NBT 3	Quick check

decimals	chart/Centers	Pgs. 16-17		Quizzes Homework End of Unit Test Teacher Observation
Count money and make change	Bills/coins/ Interactive Learning Centers	Teaching Tool 30 Pgs. 18-19	4NBT 3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use the concepts of equals, less than, and greater than in simple sentences	Interactive Learning Centers	Recording Sheet 1 Topic 1	4NBT 3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Solve simple linear equations with manipulative with variables on one or both sides of equations	Recording Sheet 1	eTools Topic 6	4NBT 5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Utilize symbols ($=, <, >$) in simple sentences	Interactive Learning Centers	Recording Sheet 1 Topic 1	4NBT 5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use mental math to add and subtract	Place value blocks Interactive Learning Centers	Teaching Tool 20 Topic 2	4NBT 1-6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Estimate sums and differences of whole numbers	Place value blocks Interactive Learning Centers	Teaching Tool 20 Topic 2	4NBT 1-6	Quick check Quizzes Homework

				End of Unit Test Teacher Observation
Add whole numbers	Place value Interactive Learning Centers	Teaching Tool 20 Topic 2	4NBT 1-6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Subtract whole numbers	Place value Interactive Learning Centers	Teaching Tool 20 Topic 2	4NBT 1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Subtract across zeros	Place value chart Interactive Learning Centers	Teaching Tool 4 Topic 2	4NBT 1-4	Quick check Quizzes Homework End of Unit Test Teacher Observation
Develop meaning of multiplication; repeated addition, area/array	Grid paper Place value blocks Interactive Learning	Teaching Tool 9/20 Topic 3	4NBT 5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Recognize, describe, extend, and create patterns	Hundred chart Interactive Learning	Teaching Tool 19 Topic 3	4NBT 5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand, name and apply properties of operations and numbers; commutative	Flash cards Grid paper Interactive Learning	Teaching Tool 9 Topic 3	4NBT 5	Quick check Quizzes Homework End of Unit Test

				Teacher Observation
Develop proficiency with basic multiplication and division number facts using a variety of fact strategies and then commit them to memory	Grid Paper Place Value Blocks Centers Hundred Chart	Animated Glossary eTools Topic 3	4NBT5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Multiply by multiples of 10 and 100	Interactive Learning Recording Sheet	Teaching Tool 20 Topic 5	4NBT5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use mental math to multiply	Interactive Learning Centers Spiral	Teaching Tool 20 Topic 5	4NBT5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use rounding to estimate products	Interactive Learning Centers Recording Sheet #3	Teaching Tool 20 Topic 5	4NBT5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use an expanded algorithm to find products	Place value Interactive Learning	Teaching Tool 20 Topic 5	4NBT5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Multiply 2-digit and 3-digit by 1 digit numbers	Interactive Learning Centers	Teaching Tool 20 Topic 5	4NBT5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use mental math to multiply 2-digit numbers	Calculator colored chalk	Teaching Tool 20 Topic 7	4NBT5	Quick check Quizzes

	Interactive Learning Center 7-1			Homework End of Unit Test Teacher Observation
Estimate products	Interactive Learning Center 7-2	Teaching Tool 20 Topic 7	4NBT5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Multiply 2-digit numbers by multiples of 10	Interactive Learning Center 7-4 Tape Grid paper	Teaching Tool 20 Topic 7	4NBT5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Multiply 2-digit by 2-digit numbers	Interactive Learning Center 7-5	Teaching Tool 20 Topic 7	4NBT5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Develop meaning of division	Interactive Learning 2 color counters/Match game	Teaching Tool 17 Topic 4	4NBT6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use the inverse relationships between addition and subtraction and between multiplication and division	Centimeter grid paper 2 color counters Interactive Learning Center 4-4	Teaching Tool 17 Topic 4	4NBT6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use mental math to divide	Interactive Learning Center 8-1	Teaching Tool 9/17 Topic 8	4NBT6	Quick check Quizzes Homework End of Unit Test Teacher Observation

Estimate quotients	Interactive Learning Center 8-2	Teaching Tool 9/17 Topic 8	4NBT6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Divide with remainders	Interactive Learning Center 8-3 2 color counters	Teaching Tool 9/17 Topic 8	4NBT6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Divide 2-digit by 1-digit numbers	Interactive Learning Center 8-5 Missing number game	Teaching Tool 9/17 Topic 8	4NBT6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Divide 3-digit by 1-digit numbers	Interactive Learning Center 8-6	Teaching Tool 9/17 Topic 8	4NBT6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Apply knowledge of factors in problem solving situations	Centimeter Grid Paper Centers Vocabulary Cards Reteach	eTools Topic 8	4NBT6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand prime and composite numbers	Interactive Learning Center 8-9	Teaching Tool 9/17 Topic 8	4NBT6	Quick check Quizzes Homework End of Unit Test Teacher Observation

Grade 4

Operations and Algebraic Thinking

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2007		
Use concrete and pictorial models to explore the basic concept of a function; input/output tables, T-charts	Interactive Learning Center 6-2 Place value blocks	Teaching Tool 9/17 Topic 6	4OA4	Quick check Quizzes Homework End of Unit Test Teacher Observation

Grade 4

Geometry

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2007		
Understand and apply concepts involving lines, angles, and circles; parallel and perpendicular	Interactive Learning Center 9-1 Flash cards Grid paper Aerobics Exercise with terms and do paper picture book	Teaching Tool 9/17 Topic 8	4G1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and apply concepts involving lines, angles, and circles; point, line, line segments, endpoint	Interactive Learning Center 9-2	Teaching Tool 9/17 Topic 8	4G1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use a protractor to measure angles	Reteach Protector Center Ruler	Teaching Tool 9/17 Topic 8	4G1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Identify classify, and describe square, rectangle, circle,	Polygon match up Flash cards	Teaching Tool 9/17 Topic 8	4G1-3	Quick check Quizzes

triangle, quadrilateral, pentagon, hexagon, octagon	Picture vocabulary			Homework End of Unit Test Teacher Observation
Identify classify, and describe triangles by angles and sides	Toothpicks Picture vocabulary Polygons Color pencils	Teaching Tool 9/17 Topic 8	4G1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Identify classify, and describe quadrilaterals	Polygons R 9-6 Interactive Learning Center 9-6 Polygon Town	Teaching Tool 9/17 Topic 8	4G1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Describe and use geometric transformations	Graph paper Polygon Interactive Learning Center 19-1 Body Motion game	Teaching Tool 9/17 Topic 8	4G1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Identify and describe congruent figures	Tangrams Animal creation <u>Grandfather Tangs Journey</u>	Teaching Tool 9/17 Topic 19	4G1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Identify and describe lines of symmetry	Paper/Scissors/Ruler Interactive Learning Center 19-5 Name symmetry	Teaching Tool 9/17 Topic 19	4G1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Identify and apply the concepts of congruence and symmetry (line and rotational	Grid paper Polygons Vocabulary	Teaching Tool 9/17 Topic 19	4G1-3	Quick check Quizzes Homework End of Unit Test Teacher Observation

Grade 4

Number and Operations - Fractions

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2007		
Understand fraction as regions and sets	Circles/colored pencils/markers Interactive Learning Center 10-1	Topic 10	4NF1-7	Quick check Quizzes Homework End of Unit Test Teacher Observation
Relate fractions and division	Scissors/paper strips Interactive Learning	Topic 10	4NF1-7	Quick check Quizzes Homework End of Unit Test Teacher Observation
Estimate fractional amounts	Paper strips Markers Interactive Learning	Topic 10	4NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and find equivalent fractions and decimals	Equivalent Fraction Hunt Fraction strips	Topic 10	4NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Write fractions in simplest form	Fraction strips Interactive Learning Center 10-7	Topic 10	4NF1-7	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use improper fractions and mixed numbers	Interactive Learning Center 10-8 Human Fraction Line	Topic 10	4NF1	Quick check Quizzes Homework

				End of Unit Test Teacher Observation
Compare fractions	Fraction Strips Interactive Learning Center 11-1	Topic 10	4NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Order fractions	Fraction Strips Interactive Learning Center 11-2	Topic 10	4NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Add and subtract fractions with like denominators	Fraction Strips Interactive Learning Center 11-2	Topic 11	4NF1-5	Quick check Quizzes Homework End of Unit Test Teacher Observation
Add fractions with unlike denominators	Fraction Strips Interactive Learning Center 11-2 Skill drill	Topic 11	4NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Subtract fractions with unlike denominators	Fraction Strips Interactive Learning Center 11-3 Skill drill	Topic 11	4NF1-7	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand decimal notation for fractions, and compare decimal fractions.	Express a fraction with denominator 10 as an equivalent fraction with denominator 100, and use this technique to add two fractions with denominators 10 and	Topic 10	4NF5	Quick check Quizzes Homework End of Unit Test Teacher Observation

	100.			
Apply and extend previous understandings of multiplication to multiply a fraction by a whole number.	Understand a fraction a/b as a multiple of $1/b$.	Topic 10	4NF4	Quick check Quizzes Homework End of Unit Test Teacher Observation
Apply and extend previous understandings of multiplication to multiply a fraction by a whole number.	Understand a multiple of a/b as a multiple of $1/b$, and use this understanding to multiply a fraction by a whole number.	Topic 10	4NF4	Quick check Quizzes Homework End of Unit Test Teacher Observation
Apply and extend previous understandings of multiplication to multiply a fraction by a whole number.	Solve word problems involving multiplication of a fraction by a whole number.	Topic 10	4NF4	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand place value through hundredths	Interactive Learning #4 Grid paper	Topic 12	4NF7	Quick check Quizzes Homework End of Unit Test Teacher Observation
Compare and order decimals	Interactive Learning #5 Decimal War	Topic 12	4NF7	Quick check Quizzes Homework End of Unit Test Teacher Observation
Relate fractions and decimals	Decimal Models Match Up Game Interactive Learning Center 12-3	Topic 12	4NF7	Quick check Quizzes Homework End of Unit Test Teacher Observation
Find fractions and decimals on a number line	Number line Index cards	Topic 12	4NF7	Quick check Quizzes

	Interactive Learning Center 12-4			Homework End of Unit Test Teacher Observation
Find mixed numbers and decimals on the number line	Number line Human number line Interactive Learning Center 12-5	Topic 12	4NF6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Round decimals	Number line Color markers	Topic 13	4NF6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Estimate sums and differences of decimals	Macho Man Image and colors Interactive Learning Center 13-2	Topic 13	4NF1-7	Quick check Quizzes Homework End of Unit Test Teacher Observation
Construct and use models for adding and subtracting decimals	Graph paper Markers Interactive Learning #6	Topic 13	4NF1-7	Quick check Quizzes Homework End of Unit Test Teacher Observation
add and subtract decimals	Skill and drill Interactive Learning Center 13-4	Topic 13	4NF1-6	Quick check Quizzes Homework End of Unit Test Teacher Observation
Multiply a whole number and a decimal	“Floating decimal/side adding” Colored markers	Topic 13	4NF1-5	Quick check Quizzes Homework End of Unit Test Teacher Observation

Divide a decimal by a whole number	“Floating decimal point” Interactive Learning Center 13-C	Topic 13	4NF1	Quick check Quizzes Homework End of Unit Test Teacher Observation
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Grade 4
Geometry

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2007		
Understand and determine area	Grid paper/formula/images	Topic 14	4MD3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Solve real-life problems involving area	Grid paper/rules/formula/measure models	Topic 14	4MD3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Find area of an irregular shape	Grid paper Interactive Learning Center 14-3	Topic 14	4MD3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Find area of a parallelogram	Grid paper Models	Topic 14	4MD3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Find area of a triangle	Grid paper Models Interactive Learning Center	Topic 14	4MD3	Quick check Quizzes Homework

	14-3			End of Unit Test Teacher Observation
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Grade 4
Geometry

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2007		
Determine perimeter of simple shapes	Formula Grid paper Models	Topic 14	4MD3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Recognize rectangles that have the same area do not necessarily have the same area and vice versa	Grid paper Models Interactive Learning Center 14-7	Topic 14	4MD3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Identify and classify 3-dimensional shapes	Solid models Flash cards	Topic 15	4MD3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Identify a 3-dimensional shape give characteristics	Nets for rectangle prism Pyramid Scissors Tape	Topic 15	4MD3	Quick check Quizzes Homework End of Unit Test Teacher Observation
Identify, describe, and draw the faces or shadows of 3-dimensional objects	Pre-made models Grid paper Markers	Topic 15	4MD3	Quick check Quizzes Homework End of Unit Test

				Teacher Observation
Find volume	Cubes Model Figure Centers	Topic 15	4MD3	Quick check Quizzes Homework End of Unit Test Teacher Observation

Grade 4

Measurement and Data

Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2007		
Understand and use units of length	Blank ruler Flip ruler	Topic 16	4MD1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use units of capacity	“G” Man Models	Topic 16	4MD1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use units of weight	Weigh classroom objects Center	Topic 16	4MD1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Convert measurement units within a system	“Cheat Sheet” Interactive Learning Center 16-4	Topic 16	4MD1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Estimate in measurement activities; capacity, mass	Eyedropper 1 liter bottles	Topic 16	4MD1	Quick check Quizzes

				Homework End of Unit Test Teacher Observation
Solve problems involving elapsed time	Clock face Paper fastener Demo clocks	Topic 16	4MD1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Tell temperature using degrees Celsius and degrees Fahrenheit	Moveable thermometer Cups of different temps.	Topic 16	4MD1	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use data from surveys	Pre-made tables with tallies	Topic 17	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Interpret graphs	Bar graph overhead 3 labels	Topic 17	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use line plots	Amusement Park design, Centers	Topic 17	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use ordered pairs	Amusement Park design, Centers, Vocabulary flash cards, Number lines/Colored pencils	Topic 17	4MD2	Quick check Quizzes Homework End of Unit Test

	Grid paper			Teacher Observation
Use line graphs	Interactive Learning Sheet Centers Vocabulary Flash Cards Grid paper	Topic 17	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use mean	Cubes Centers	Topic 17	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use median, mode, and range	Index cards Centers	Topic 17	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use stem-and-leaf plots	Stem-Leaf diagram Centers Interactive Learning Activity	Topic 17	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Understand and use circle graphs	Interactive web site Centers Vocabulary Flash Cards	Topic 17	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Make a graph	Tally Chart Centers eTools Interactive learning activity	Topic 17	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Represent all possibilities from a simple counting	Two colored counters Two colored tiles	Topic 20 pearsonsuccessment.com	4MD2	Quick check Quizzes

situation in an organized way	Spinners “Bag of goodies” activity” Centers	etools animated glossary		Homework End of Unit Test Teacher Observation
Write probability as a fraction	Vocabulary Flash Cards Centers Interactive form	Topic 20 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Make an organized list	“Scoops” ice cream book and activity Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3 Step form	Topic 1 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Find missing or extra information	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3 step form	Topic 2 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Draw a picture	Center Activities Interactive Recording Interactive Learning Recording Sheet	Topic 2, 3 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test

	Enrichment Master Daily Spiral Review Vocabulary flashcards 3 step form			Teacher Observation
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Objectives	Sample Activity	Resources	Standard	Assessment
Learner will be able to:		Pearson 2007		
Write an equation	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form	Topic 3, 4 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Check the reasonableness of a computation	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form	Topic 4, 5 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Use objects and reasoning	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards	Topic 6 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation

	3-step form			
Solve multi-step problems	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form	Topic 7, 8 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Make and test generalizations	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form	Topic 9 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Write to explain and answer	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form	Topic 10 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Try, check ,and revise	Center Activities Interactive Recording Interactive Learning Recording Sheet	Topic 13 pearsonsucceessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test

	Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form			Teacher Observation
Solve a simpler problem	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form	Topic 14 pearsonsuccessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Make a table	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form	Topic 14, 17 pearsonsuccessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Look for a pattern	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form	Topic 15 pearsonsuccessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation
Work backward	Center Activities Interactive Recording	Topic 16, 18 pearsonsuccessment.com	4MD2	Quick check Quizzes

	Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form	etools animated glossary		Homework End of Unit Test Teacher Observation
Use reasoning	Center Activities Interactive Recording Interactive Learning Recording Sheet Enrichment Master Daily Spiral Review Vocabulary flashcards 3-step form	Topic 6 pearsonsassessment.com etools animated glossary	4MD2	Quick check Quizzes Homework End of Unit Test Teacher Observation