

Unit Title: Refresh Skills

September

Content Standards:

- OA.2; MD.7; NBT.2;

Essential Questions:

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	Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?	Resources/Materials What websites, resources, and materials will you use to teach this unit?
3 weeks	<ul style="list-style-type: none"> • Composing numbers to 10 • Decomposing numbers to 10 • +1/-1 • +10/-10 	ten frames math mountain quick draw addend total sum difference addition subtraction		tens frames cards Unifix cubes two sided counters 4 in a box for 10 Make 10 Shake 10 Pyramid 10 What Makes Ten? – YouTube video Illuminations – Make a Ten Yellow Math Mountain Cards to 10
	<ul style="list-style-type: none"> • Use the doubles strategy to solve single digit addends 	Doubles Horizontal Vertical		Unit 1 Lesson 7 pages 47-48 Doubles Raps – YouTube video
	<ul style="list-style-type: none"> • Counting forward backwards • Sequencing Numbers • Number recognition • Writing Numbers • Counting On 	Backwards Sequence		Hundreds Chart
	<ul style="list-style-type: none"> • Telling time to the hour • Telling time to the half hour • Introduce AM and PM, but not a mastered skill 	Minute hand Hour hand		Unit 5 Lesson 1 Unit 5 Lesson 2
	<ul style="list-style-type: none"> • Recognizing and identifying pennies • Recognizing and identifying the value of pennies • Recognizing and identifying dimes • Recognizing and identifying the value of a dime • Counting by 10s 	Penny Dime		Use the pennies while using the ten frames Plastic Coins

Unit Title: Relating Addition and Subtraction

September/October

Content Standards:

- OA.1; OA.2; NBT.9

Essential Questions:

	Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?	Resources/Materials What websites, resources, and materials will you use to teach this unit?
1 week	<ul style="list-style-type: none"> • Represent numbers to 100 using quick draws 	hundred tens ones secret code cards expanded form		Unit 2 Lesson 1 pages 159-167
	<ul style="list-style-type: none"> • Compares numbers to 100 using $<$, $>$, or $=$ 	Compare Less than Greater than Equal to		<i>Equal Schmequal</i>
1 week	<ul style="list-style-type: none"> • Relate addition and subtraction using Math mountains/fact family • Look at a math mountain and write the corresponding addition equation • Look at a math mountain and write the corresponding subtraction equation • Look at an addition equation and draw the math mountain • Look at a subtraction equation and draw the math mountain • Explain why the equation matches the math mountain • Explain why the math mountain matches the equation 	equation Math Mountain partners addends total fact family Commutative Property of Addition (not mastered by the student) teen number		Unit 1 Lesson 1 Unit 1 Lesson 2 Math Boards Dry Erase Markers Student Activity Page 4 is VERY difficult – skip it
1 week	<ul style="list-style-type: none"> • Compose and decompose teen totals • Use the make-a-ten strategy to add single-digit addends that have a teen total 	Teen totals Make-a-ten		Coin Strips are very difficult – stick with ten frames
	<ul style="list-style-type: none"> • Identify an unknown addend for an equation • Identify an unknown addend for a math mountain 	Unknown addend		Unit 1 Lesson 4 Unit 1 Lesson 5 Blue Math Mountain Cards

Unit Title: Relating Addition and Subtraction

October/November/December

Content Standards:

- OA.2; OA.1; NBT.5; NBT.7;

Essential Questions:

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	Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?	Resources/Materials What websites, resources, and materials will you use to teach this unit?
1 week	<ul style="list-style-type: none"> • Odd/Even 	Odd Even		Unit 1 Lesson 6
	<ul style="list-style-type: none"> • Find totals using doubles +1/-1 and +2/-2 	Doubles		Unit 1 Lesson 7
1 week	<ul style="list-style-type: none"> • Define an equation • Explain what an equal sign means 	Equation Equal Sign		Unit 1 Lesson 8 – Equation Chain activity Book – <i>Equal Schmequal</i>
	<ul style="list-style-type: none"> • Use strategies to add three addends • Use strategies to add four addends 	Strategy Count all Count on		Unit 1 Lesson 9
4 weeks	<ul style="list-style-type: none"> • Use strategies to solve word/story problems • Add To/take from, Put together/take apart, compare 	Word problems Story problems Group names Compare Comparison bars Matching drawings More Fewer		Unit 1 Lessons 10, 11, 12, 13, 14, 15, 16 Lessons 17-21 are introductory lessons

Unit Title: Geometry

January

Content Standards:

- 2.G.1 – Recognize and draw shapes having specified attributes, such as a given number of angles or a given number or equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.

Essential Questions:

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	Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?	Resources/Materials What websites, resources, and materials will you use to teach this unit?
3 weeks	<ul style="list-style-type: none"> • Identify defining attributes of a shape 	Attribute Shape Triangles Quadrilateral Pentagon Hexagon Cube 2-Dimensional 3-Dimensional		See Geometry Unit on Teacher's Shared Drive Teachers Shared: 2 nd Grade Team D: Math: Geometry
	<ul style="list-style-type: none"> • Draw a shape with a given attribute 	Angles Sides Faces		

Unit Title: Double Digit Addition

January/February

Content Standards:

- OA.1; NBT.1; NBT.3; NBT.4; NBT.5; NBT.6; NBT.7; NBT.8

Essential Questions:

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	Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?	Resources/Materials What websites, resources, and materials will you use to teach this unit?
1 week	<ul style="list-style-type: none"> • Represent numbers to 200 using quick draws • Write Expanded form for numbers to 200 			Unit 2 Lesson 1 (Discuss greater numbers than 100 TE pg. 164-166) Beware that Student Activity Book pg. 74 problem 5 is two-step problem) Unit 2 Lesson 2 (Model Quick Hundreds TE pg. 172-174) Unit 2 Lesson 3 Activities 1 and 2 Unit 2 Lesson 4 Activity 2
	<ul style="list-style-type: none"> • Add Tens or Ones to solve problems 			Unit 2 Lesson 2 Activity 2
	<ul style="list-style-type: none"> • Read and write number names to 100 			Unit 2 Lesson 3 Activity 3
	<ul style="list-style-type: none"> • Make groups of ten to solve word problems 			Unit 2 Lesson 4 Activity 1
	<ul style="list-style-type: none"> • Add 1, 10, or 100 to a number 			Unit 2 Lesson 4 Activity 3
	<ul style="list-style-type: none"> • Compare numbers to 200 			Unit 2 Lesson 5
4 weeks	<ul style="list-style-type: none"> • Solve 2-digit addition problems using an appropriate strategy • Solve word problems with 2 2-digit numbers 	New ten Show All Totals New group New hundred Make a hundred		Unit 2 Lessons 6-10, 13 Unit 2 Lesson 14 – Introductory lesson

Unit Title: Money

March

Content Standards:

- 2.MD.7

Essential Questions:

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	Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?	Resources/Materials What websites, resources, and materials will you use to teach this unit?
2 weeks	<ul style="list-style-type: none"> • Count groups of dimes and pennies • Represent amounts using dimes and pennies • Count groups of dimes, nickels, and pennies 	Dollar Cent sign Dollar sign Decimal point		Unit 2 Lesson 11
	<ul style="list-style-type: none"> • Skip count by 5s 			Unit 2 Lesson 12 Activity 1
	<ul style="list-style-type: none"> • Recognize and identify a nickel • Recognize and identify the value of a nickel • Count groups of nickels • Count groups of dimes, nickels, and pennies • Represent amounts using dimes, nickels, and pennies • Write money amounts using a cent sign • Write money amounts using a dollar sign and decimal point 	Nickel		Unit 2 Lesson 12
	<ul style="list-style-type: none"> • Recognize and identify a quarter • Recognize and identify the value of a quarter • Count groups of quarters, dimes, nickels, and pennies • Represent amounts using quarters, dimes, nickels, and pennies • Count groups of dollars, quarters, dimes, nickels, and pennies • Represent amounts using dollars, quarters, dimes, nickels, and pennies 	Quarter		Unit 4 Lessons 1-2

Unit Title: Double Digit Subtraction

March/April

Content Standards:

- 2.OA.1, 2.NBT.5; 2.NBT.7

Essential Questions:

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	Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?	Resources/Materials What websites, resources, and materials will you use to teach this unit?
1 day	<ul style="list-style-type: none"> • Write equations with double-digit numbers from a math mountain 			Unit 4 Lesson 13
2 days	<ul style="list-style-type: none"> • Find unknown addends for 100 	Count on Ungroup Break apart		Unit 4 Lesson 3
	<ul style="list-style-type: none"> • Subtract from 100 using drawings 			Unit 4 Lesson 3 – Relationship between dollars and 100 to ungroup is a difficult concept
2 weeks	<ul style="list-style-type: none"> • Solve 2-digit subtraction problems using an appropriate strategy 			Unit 4 Lesson 4-6, 11 Skip – Expanded Method unless you have students who absolutely can not get it another way
3 weeks	<ul style="list-style-type: none"> • Solve word problems with 2-digit numbers 			Unit 4 Lesson 12, 16, 17, 18, 19, 20
1 week	<ul style="list-style-type: none"> • 2-Step word problems 			Unit 4 Lesson 21-22

Unit Title: Measurement

May

Content Standards:

- 2.MD.1; 2.MD.2, 2.MD.3, 2.OA.4

Essential Questions:

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	Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?	Resources/Materials What websites, resources, and materials will you use to teach this unit?
1 week	<ul style="list-style-type: none"> • Measure the length of an object to nearest inch • Measure the length of an object to nearest centimeter 	Inch Centimeter Ruler Estimate measure		
	<ul style="list-style-type: none"> • Estimate the length of an object to the nearest inch • Estimate the length of an object to the nearest centimeter 			
	<ul style="list-style-type: none"> • Determine the correct tool needed to measure a given object 	Yardstick meter stick Measuring tape Ruler		
	<ul style="list-style-type: none"> • Measure an object using 2 different units and explain how the size of the unit length affects the measurement 			
1 week	<ul style="list-style-type: none"> • Divide a circle into 2 equal parts • Divide a rectangle into 2 equal parts • Divide a circle into 3 equal parts • Divide a rectangle into 3 equal parts • Divide a circle into 4 equal parts • Divide a rectangle into 4 equal parts 	Equal shares Whole Halves Thirds Fourths		
	<ul style="list-style-type: none"> • Describe the equal shares of a shape using the words thirds, halves, fourths 			

1 week	<ul style="list-style-type: none">• Draw rows and columns of equal size in a rectangle and count to find the total number of them• Use addition to find the total number of objects in an array• Represent the total number of objects arranged in a rectangular array as an expression with the repeated addition of number of objects in each row.	Row Column array		
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