



Landscape Map

Teacher: Darcie Kvasnicka

Year: 2007-2008

Course: Math K

August	Calendar Ch 2 pg 11				
	Essential Questions	Content	Skills	Assessments	Standards
	How can you identify the days of the week?	Patterning: colors and shapes Counting Numeral recognition Numeral Writing Calendar recognition and calendar reading skills Seasons	Identify a pattern Identify color names Identify shape names Describe shapes Participate in class counting Participate in class numeral recognition Participate in class numeral writing	<u>Students can say the days of the week.</u> 8/31/2007 <u>Teacher Observation</u> 8/31/2007 <u>Students can name the months of the year</u> 8/31/2007 <u>Students will name numbers 0-20</u> 8/31/2007	1.3.2 ~ MEASUREMENT ~ identify tools of measurement and their appropriate use (clocks, calendar, ruler, balance scale, and thermometer).

Shapes Ch 3 pg 19

Essential Questions	Content	Skills	Assessments	Standards
Where do you see shapes in our room?	Geometric Shapes	Name and identify the basic shapes (circle, square, rectangle, triangle).	<u>Creating Shapes</u> 8/31/2007 <u>Identifying Shapes</u> 8/31/2007	1.4.2 ~ GEOMETRY/SPATIAL CONCEPTS ~ identify, describe, and create circles, squares, triangles, and rectangles.

		<p>Recognize and match similar shapes</p> <p>Recognize the shapes of real objects</p> <p>Use shapes to make pictures</p> <p>Draw shapes</p>	
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September

Writing and Counting 0-12 Chapter 16-7 pg 43, 53

Essential Questions	Content	Skills	Assessments	Standards
How can you show/tell how many objects are on your work mat?		<p>Identify numerals 0-12</p> <p>Write numerals 0-12</p> <p>Counts to 25</p>	<p><u>Student will identify numbers 0-12</u> 9/30/2007</p> <p><u>Write numbers 0-12</u> 9/30/2007</p> <p><u>Count to 25</u> 9/30/2007</p>	1.1.1 ~ NUMERATION/NUMBER SENSE ~ recognize, write, and orally express the sequential order of the number system.

Sorting and Classifying Ch 4 pg 27

Essential Questions	Content	Skills	Assessments	Standards
How many different ways can you sort and classify your classmates?	<p>Same and Different</p> <p>Attributes</p> <p>Sorting and Classifying</p>	<p>Observe similarities and differences.</p> <p>Sort and classify objects by one attribute.</p> <p>Sort and classify objects by more than one attribute.</p> <p>Identify the</p>	<p><u>Sorting and Classifying</u> 9/30/2007</p>	1.3.1 ~ MEASUREMENT ~ measure two or more items or sets using nonstandard units of measure and compare attributes.

		sorting attributes (color, shape and size)	
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Sorting and Patterning Ch 5 pg 35				
Essential Questions	Content	Skills	Assessments	Standards
How can you tell which (shape, color, etc.) comes next?	AB Patterns	Identify Patterns in the environment Identify patterns in numbers copy patterns extend patterns make new patterns	Pattern building 9/30/2007	1.6.1 ~ ALGEBRAIC CONCEPTS ~ identify, describe, extend, and create patterns (objects, sounds, movements, shapes, numbers, and colors).

October	Numbers and Counting- Chapter 6 pg 43				
	Essential Questions	Content	Skills	Assessments	Standards
	How many ways can we count?	Counting	One-to-One correspondence Count by 100 by ones Count to 100 by fives and tens Count backward from 20 Skip count by twos Compare equal and unequal sets Find the	Math Composite One-to-One Correspondence Assessment 10/31/2007 <u>Students count to teacher</u> 10/31/2007	1.2.2 ~ COMPUTATION/ESTIMATION ~ justify estimations to mathematical problems.

		number that comes before, after, and between		
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Sorting and Patterning

Essential Questions	Content	Skills	Assessments	Standards
How can you tell which (shape, color, etc.) comes next?	ABB Patterns	Identify Patterns in the environment Identify patterns in numbers copy patterns extend patterns make new patterns	<u>Pattern Worksheet</u> 10/31/2007 <u>Pattern building</u> 10/31/2007	1.6.1 ~ ALGEBRAIC CONCEPTS ~ identify, describe, extend, and create patterns (objects, sounds, movements, shapes, numbers, and colors).

Measurement Ch 12 pg 95

Essential Questions	Content	Skills	Assessments	Standards
How do we compare and describe objects (by weight, length, temperature etc.)?	Estimating	Estimate quantity Estimate capacity Estimate weight Estimate length/height Estimate temperature Estimate time Recognize when numbers are reasonable and make sense		

November				
Numbers and Operations Ch 8 pg 61				
Essential Questions	Content	Skills	Assessments	Standards
Can you show and explain how to solve an addition problem?	Addition of Whole Numbers from 0 - 12	Understanding the meaning of addition Combine sets Find sums less than 10 Draw pictures to solve addition problems Write addition equations	<u>Addition Manipulation</u> 11/30/2007 <u>Picture Addition</u> 11/30/2007 <u>Addition Worksheets</u> 11/30/2007 <u>Addition Games</u> 11/30/2007	1.6.1 ~ ALGEBRAIC CONCEPTS ~ identify, describe, extend, and create patterns (objects, sounds, movements, shapes, numbers, and colors).
December				
Writing and Counting # 0-20				
Essential Questions	Content	Skills	Assessments	Standards
How can you show and tell how many objects are on your work mat?		Identify numerals 0-20 Write numerals 0-20 Counts to 50	<u>ID numbers 0-20</u> 12/31/2007 <u>Write numbers 0-20</u> 12/31/2007 <u>Count to 50</u> 12/31/2007	1.1.1 ~ NUMERATION/NUMBER SENSE ~ recognize, write, and orally express the sequential order of the number system.
Sorting and Patterning				
Essential Questions	Content	Skills	Assessments	Standards
How can you tell which (shape, color, etc.) comes next?	ABC Patterns	Identify Patterns in the environment Identify patterns in numbers copy patterns	<u>Pattern building</u> 12/31/2007	1.6.1 ~ ALGEBRAIC CONCEPTS ~ identify, describe, extend, and create patterns (objects, sounds, movements, shapes, numbers, and colors).

		extend patterns make new patterns		
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January	Place Value Ch 10 pg 81				
	Essential Questions	Content	Skills	Assessments	Standards
	How can quantities be shown?	base ten grouping	Groups objects by tens and ones. Reordr tens and ones. Read numbers to 100. Write numbers to 100.	<u>Students can group objects by tens and ones.</u> 1/31/2008 <u>Students will read numbers between 0-100.</u> 1/31/2008 <u>Students will write numbers between 0-100.</u> 1/31/2008	1.1.1 ~ NUMERATION/NUMBER SENSE ~ recognize, write, and orally express the sequential order of the number system.

Subtraction Ch 9 pg 72

Essential Questions	Content	Skills	Assessments	Standards
What does finding the difference mean?	Picturing and modeling subtraction. 1 Extending Subtraction Concepts. 2	Understand what finding the "difference" means. Explore subtraction facts to 12 with manipulatives Draw pictures to solve subtraction problems. Use symbols to record subtraction problems.	<u>Participation, teacher observation, and practice sheets.</u> 1/31/2008	1.6.1 ~ ALGEBRAIC CONCEPTS ~ identify, describe, extend, and create patterns (objects, sounds, movements, shapes, numbers, and colors).

February	Writing and Counting 0-100				
	Essential Questions	Content	Skills	Assessments	Standards
	How can you show/tell how many objects are on your work mat?		Identify numbers to 100 Writes numbers to 100 Counts to 100	<u>Writes numbers to 100</u> 2/29/2008 <u>Identifies numbers to 100</u> 2/29/2008 <u>Counts to 100</u> 2/29/2008	1.1.1 ~ NUMERATION/NUMBER SENSE ~ recognize, write, and orally express the sequential order of the number system.

March	Measurement Ch 14 pg 111				
	Essential Questions	Content	Skills	Assessments	Standards
	Why are objects measured? How are objects measured?	Length Weight Capacity	Compare length, mass, and capacity of objects Estimate and measure length, mass, and capacity in non-standard units Estimate and measure length in standard units (inches/centimeters, yards/meters) Estimate and measure capacity in standard units (cup, pint, quart, liter) Estimate and measure mass in standard units (pounds, ounces/grams)	<u>Measurement</u> 3/31/2008 <u>Measurement</u> 3/31/2008	1.3.2 ~ MEASUREMENT ~ identify tools of measurement and their appropriate use (clocks, calendar, ruler, balance scale, and thermometer).

Time/Measurement-Ch 13 pg104

Essential	Content	Skills	Assessments	Standards
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Questions				
Why do you need to know how to tell time?	Time	Sequence events Estimate passage of time Know parts of the clock face Tell time to the hour Tell time to the half hour	<u>Time</u> 3/31/2008 <u>Time games</u> 3/31/2008 <u>Time drawing</u> 3/31/2008 <u>Time demonstration</u> 3/31/2008	1.3.2 ~ MEASUREMENT ~ identify tools of measurement and their appropriate use (clocks, calendar, ruler, balance scale, and thermometer).

April	Measurement/Money Ch 15 pg 119			
Essential Questions	Content	Skills	Assessments	Standards
Why are coins different?	Money	Identify penny, nickel, dime, quarter Learn value of penny, nickel, dime, quarter Count coins	<u>Money game</u> 4/30/2008 <u>Money identification</u> 4/30/2008 <u>Money store</u> 4/30/2008	1.1.3 ~ NUMERATION/NUMBER SENSE ~ identify numbers and applications in everyday situations.

May	Fractions Ch 16 pg 127			
Essential Questions	Content	Skills	Assessments	Standards
How can you show me $\frac{1}{2}$, $\frac{1}{4}$, and $\frac{1}{3}$?	Numbers and operations Measurement	Identify equal parts of a whole Identify equal parts of a set Determine how many parts make a whole Identify one-half, one-fourth, one-	<u>Fractions</u> 5/31/2008	1.1.2 ~ NUMERATION/NUMBER SENSE ~ demonstrate ways of representing numbers and compare relations among numbers.

