Course Description:

Students learn to count to twenty. They work with comparing objects using the terms tall, longer, and shorter as well as comparing two objects using the terms lighter and heavier. They will continue their exploration of basic geometric shapes such as cones and spheres. The will work with the concept of first, middle, and last.

Arranging and sorting receive special emphasis this semester. Students will also work on writing numbers with 3, 4, and 5 given special attention. Students will learn the concepts of left and right. Coins are also a focus as students will count pennies, nickels and dimes. Finally, the number 7 is studied using the colors of the rainbow.

Projects include making paper fingers and thumbs and creating designs with them. They will also make the numbers 1-10 out of dough.

Major Concepts:

- Counting to twenty
- Comparing weight and length
- Sorting by shape and color
- Cones, cubes, and spheres
- First middle and last
- Left and right
- Counting pennies and nickel

Module	Lesson Title	Objectives
19	Thirteen	1. Write the digits for 13. 2. Write the number word: thirteen. 3. Count to 13.
	The Order of It	1. Put things in order using time words (today, yesterday, and tomorrow), days of the week, and months.
	Go Forward	1. Count forward beginning from a given number.
	The Lesser Numbers	1. Determine the lesser value in a pair of numerals.
	Shapes	1. Identify shape attributes, such as side, corner, edge and curve.

Module	Lesson Title	Objectives
20	Sequence to 12	1. Complete a sequence to 12 when one or two are missing.
	Naming Shapes	1. Name shapes correctly no matter the size or orientation.
	How Many are Left?	1. Determine the number of objects remaining when removing up to two.
	Weight	1. Measure weight with non-standard units.
	Fourteen	1. Use the number 14.

Module	Lesson Title	Objectives
21	Sets with Less	1. Select a set with one less than a given set.
	Set Subtraction	1. Create story problems that subtract from 5.
	Number Words	1. Recognize and use number words: zero to ten.
	Story Problems that Add to Seven	1. Create story problems that add to 7.
	Commutative Property	1. Use the commutative property of addition.

Module	Lesson Title	Objectives
22	Fifteen	1. Use the number 15.
	Sequence to 12	1. Complete a sequence to 12 when one or two are missing from the beginning.
	Arrays to 16	1. Use arrays to 16 to count "how many" items.
	Story Problems to 8	1. Create story problems that add to 8.
	Sorting	1. Classify, count and sort objects by category.

Module	Lesson Title	Objectives
23	Sixteen	1. Use the number 16.
	Pay For It	1. Use pennies and nickels to pay for items. 2. Calculate the value of a group of pennies, nickels, and a combination of both.
	Story Problems from 6	1. Create story problems that subtract from 6.
	0 to 20	1. Write numbers from 0 to 20 and represent them with objects.
	Sum to 5	1. Add vertically to 5, while distinguishing the words horizontal and vertical.

Module	Lesson Title	Objectives
24	Seventeen to Eighteen	1. Use the numbers 17 and 18.
	Circle Graphs	1. Divide items into multiple groups and place them into a circle graph.
	Picture Graphs	1. Create picture graphs and circle graphs by classifying objects.
	Sequence to 18	1. Complete a sequence to 18 when one or two numbers from the beginning of the sequence are missing.

Module	Lesson Title	Objectives
25	Story Problems to 9	1. Create story problems that add to 9.
	Ten Frames	1. Solve addition story problems using ten frames.
	Length	1. Measure length with non-standard units.
	Number Words	1. Recognize number words eleven, twelve, and thirteen.
	Coloring Patterns in Shapes	1. Color shapes so no adjacent sides share a color.

Module	Lesson Title	Objectives
26	Sum to 10	1. Find the number that makes 10 when added to a given number.
	Greatest Number	1. Select the number with the greatest value in a given set.
	Equals	1. Recognize numerical equivalents.
	Distance	1. Measure distance with non-standard units.
	Nineteen and Twenty	1. Use the numbers 19 and 20.

Module	Lesson Title	Objectives
27	Compare Numbers	1. Compare two numbers between 1 and 10 presented as written numerals. 2. Use these math signs: <, >, =.
	Peak 10	1. Find pairs of numbers on a number line to 10.
	Story Problems from 7	1. Create story problems that subtract from 7.
	Matching Sets to Numbers	1. Match a number 0-9 with a set of items.
	Higher Value	1. Determine the higher value in a pair of numerals from 0 to 9.

Module	Lesson Title	Objectives
28	Sum to 8	1. Add vertically to 8.
	Word Numbers	1. Recognize the word numbers: fourteen to twenty, thirty, forty, and fifty.
	20 to 30	1. Use the numbers 20 to 30, using rows and columns.
	Comparing Lengths	1. Compare and order objects by length.
	Sorting by Weight	1. Sort objects by non-standard units of weight.

Module	Lesson Title	Objectives
29	Sequence to 20	1. Complete a sequence to 20 when two numbers are missing.
	Addition Facts to 8	1. Practice addition facts to 8.
	Positions	1. Use position words inside and outside with geometric shapes.
	Temperature	1. Sort objects by temperature and measure temperature on a Celsius and Fahrenheit scale.
	31 to 50	1. Use numbers 31 - 50 and place in columns and rows.

Module	Lesson Title	Objectives
30	Sum to 9	1. Add vertically to 9.
	Write Numbers 0-20	1. Represent objects with a numeral from 0 to 20 and write those numbers.
	Subtract From 6	1. Subtract vertically from 6 and practice subtraction facts.
	Patterns of Shapes	1. Complete patterns of shapes.

Module	Lesson Title	Objectives
31	Numbers 51-100	1. Use numbers 51 - 100.
	Count by 10's	1. Count by 10's to 100.
	Sum to 10	1. Add vertically to 10.
	Arrays	1. Write numbers 0 - 20 and identify objects in arrays representing those numbers.
	Subtract From 9	1. Subtract vertically from 9.

Module	Lesson Title	Objectives
32	Describe Objects	1. Describe objects in the environment by using the names of shapes.
	Using a Tally Chart	1. Chart the results of rolling a cube 20 times.
	Compare Temperatures	1. Compare different temperatures.
	Addition and Subtraction Word Problems	1. Solve addition and subtraction word problems.
	Move the Shape	1. Move a figure by flipping, sliding or turning it.

Module	Lesson Title	Objectives
33	Sum to 12	1. Add vertically to 12.
	Add Horizontally	1. Add horizontally to 12.
	Write Number Words	1. Recognize and write the number words fifty, sixty, seventy, eighty, ninety and one hundred.
	Subtract to 10	1. Subtract vertically to 10.
	Adding Dimes	1. Add dimes, nickels, and pennies. 2. Use the decimal, cent sign, and dollar sign.

Module	Lesson Title	Objectives
34	Sum to 15	1. Add to 15.
	Add or Subtract?	1. Select addition or subtraction to solve a problem. 2. Select the plus or minus sign to finish an equation.
	Odd and Even	1. Identify odd and even numbers to 15.
	Fact Families—Addition	1. Work with addition fact families.
	Fact Families—Subtraction	1. Work with subtraction fact families.

Module	Lesson Title	Objectives
35	Making Shapes	1. Make large shapes out of small ones.
	Sets to 20	1. Match sets from 0 - 20.
	Numbers 11-20	1. Identify numbers from 11 - 20.
	Build Numbers	1. Build numbers from 11 - 20.
	Ordering Numbers	1. Put numbers in order from 0-20.

Module	Lesson Title	Objectives
36	Review Ordering	1. Review ordering.
	Review Shapes	1. Review shapes.
	Review Addition Facts	1. Review addition facts.
	Review of Subtraction Facts	1. Review subtraction facts.