

“2, 4, 6, 8... If You Can Skip Count, Celebrate!”

For further information contact...



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2006 - 2007 IDEA CATALOG OF EXCELLENCE

■ PROGRAM OVERVIEW

This program is a hands-on approach to teaching skip-counting to primary grade children using music and learning centers. In my kindergarten classroom, I use learning centers as an enrichment tool to extend concepts taught during whole-group instruction. I set up each center as a “station” that students can visit to investigate a skill more thoroughly. Each center in this program is themed around lyrics to my students’ favorite skip-counting CD. At each center, I provide several props, manipulatives, and games that my students can use either independently or with a peer. Each center comes with easy-to-follow instructions and an independent assessment activity.

Sample Whole Group Activities

Counting by 2s:

Create a number line extending across the classroom using students’ shoes. Each student stands in front of his/her pair and together we tap and count aloud.

Counting by 5s:

Students balance each end of a Slinky toy in the palm of their hands. They count and lift each palm in alternating motions. “5, 10, 15, 20...”

Counting by 10s:

We make butterflies with our hands (extending all ten fingers and overlapping our thumbs.) The children flutter their “butterflies” as we count. As we reach 100, the students allow their pretend butterflies to fly away.

Sample Center Activities

Activity #1: How High Can You Go?

The student will use adding machine paper to start a hand-written number line. The students will try to skip count to 100 by 2s, 5s, or 10s and write the numbers as they go. If needed, a laminated 100s chart may be used as a guide.

Activity #2: Whisper Karaoke

The students will need a toy microphone, cassette player with headphones, and a tape of skip-counting songs. Using a whisper, the students will sing and skip count to the lyrics.

Activity #3: Counting Groups

Using counting beans and muffin tins, the student will make group of 2s, 5s, or 10s. For example, after filling all 10 muffin cups with ten beans, the student will use skip counting to identify that the tin now holds 100 beans. This skill also works well using ice cube trays.

Activity #4: Real-life application

The student will complete drawings of an analog clock or thermometer by filling in the missing numbers. Count by fives and write the numerals to complete the clock. Count by tens and write the numerals to show the missing ticks on a thermometer.

■ OVERALL VALUE

Skip counting builds the foundation for learning the multiplication tables. By learning through active participation and social interaction, my students have found excitement and built up their confidence with math activities.

My program provides a non-threatening learning situation where all students can participate and achieve. Because many of the lessons use manipulatives, the activities can be easily adapted for holidays or seasons. (Use acorns for fall, jingle bells for winter, jelly beans for spring, etc.)

■ LESSON PLAN TITLES

1. Line ‘em Up!
2. Making Groups of Five
3. Counting By 2s Using Even Numbers

■ MATERIALS

Materials for each lesson are listed with each lesson plan. Overall materials budget including pricing and vendors follows the lesson plans.

■ ABOUT THE DEVELOPER

Sarah Sesser received her early childhood education degree from Florida Southern College and is currently in her 6th year teaching kindergarten. She has recently joined the staff at Medulla Elementary. This fall, she will begin working on her Nation Board Certification.



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Lesson Plan No 1: Line 'em Up!



SUBJECTS COVERED

Mathematics (Skip Counting)

GRADES

Kindergarten-First

OBJECTIVES

The student will skip count by 10s to 100

SUNSHINE STATE STANDARDS

MA.2.1.1.0.1. With teacher direction, the student counts orally to 100 or more by 2s, 5s...using concrete materials

MATERIALS

- Teacher-Made Numeral cards 10, 20, 30, 40, 50, 60, 70, 80, 90, 100
- Sentence strips
- Scissors and glue
- Butterfly cut-and-paste activity sheet
- Musical Array-ngements CD Track #9

DIRECTIONS

1. Review skip counting by 10s by listening and singing along to track #9 ("I Can Count by Tens!")
2. Sort and form a numerical number line using the numeral cards.
3. Distribute the butterfly cut-and-paste activity sheet along with glue, scissors, and sentence strip.
4. Students are to cut apart the activity sheet and glue the butterflies in numerical order onto the sentence strip.

EVALUATION/ASSESSMENT

Monitor through teacher evaluation.

ADDL INFORMATION

See attached sheets for use when counting by 2s and 5s.



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Lesson Plan No 2: Making Groups of Five



SUBJECTS COVERED

Mathematics (Skip Counting)

GRADES

Kindergarten-First

OBJECTIVES

- 1 The student will divide counting bears into sets of five.
- 2 The student will collectively count the total number of bears in the tray using skip counting.

SUNSHINE STATE STANDARDS

MA.2.1.1.0.1 - With teacher direction, the student counts orally to 100 or more by 2s, 5s... using concrete materials

MA.A.2.1.1.0.2 - The student uses concrete materials to show the concept of numbers to 10 or more.

MATERIALS

- Plastic Ice cube tray
- Baby-sized Counting Bears
- Teacher-Made Numeral cards 5, 10, 15, 20, 25, 30, 35, 40, 45, 50
- Musical Array-angements CD (Track #4)

DIRECTIONS

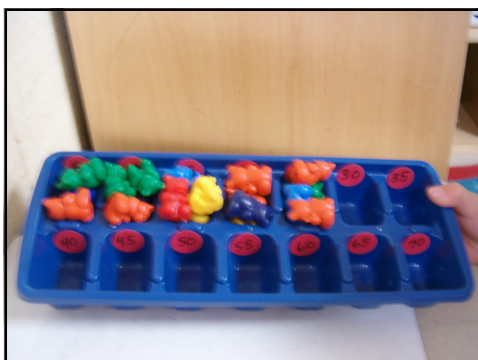
1. Review the skip counting song for skip counting by fives. As you sing the lyrics, display each numeral card in order.
2. Scramble the cards so that they are out of numerical order. Explain to the students that you will show them a card and they are to count out the appropriate amount of counting bears. The key is to have the child arrive at this number by making groups of five. Each set of 5 is to be placed into one of the compartments in the ice cube tray. (If the card with 25 is shown on the card, the student should make 5 sets of 5 bears and fill five compartments in the tray.)
3. After each task is completed, empty the tray, show another numeral card, and begin counting again.

EVALUATION/ASSESSMENT

Monitor through observation.

ADDL INFORMATION

- This activity can easily be used with 2s, 10s, or any other number. For younger students, this may also be used as a sorting and classifying activity.
- For skip counting by 2s, it works best to use a mini-muffin pan with many compartments. For extra appeal, use edible manipulatives.



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Lesson Plan No 3: Counting by 2s Using Even Numbers



SUBJECTS COVERED

Mathematics (Skip Counting)

GRADES

Kindergarten-First

OBJECTIVES

1. The student will identify an even number.
2. The student will skip count to 20 using even numbers.

SUNSHINE STATE STANDARDS

MA.2.1.1.0.1. - With teacher Direction, the student counts orally to 100 or more by 2s, 5s...using concrete materials

MA.A.2.1.1.0.2 - The student uses concrete materials to show the concept of numbers to 10 or more.

MATERIALS

- Counting bears divided into student bags
- Numeral Cards 1-20
- Paper Placemats for a small group of students
- Chart paper or Dry Erase Board for recording purposes

DIRECTIONS

1. I introduce the concept of even numbers by using the analogy of dancing partners. I explain that in a group of even-numbered bears, every bear will have a dancing partner. A group of odd number bears will have one bear left without a dancing partner.
2. I then form two lines a bears on my placemat, putting each bear nose-to-nose with its partner. We count the bears and distinguish if each bear is properly paired up. When we find that a bear from an odd-numbered group is left without a partner, we sing, "Boohooohoo...no partner for you!"
3. Using chart paper or a wipe board, we then record that number into a category: odd or even.
4. After several rounds of this activity in a small group setting, I pass out a bag of bears to my group. I then show a numeral card. The students count out the correct number of bears and line them up nose-to-nose as I had earlier demonstrated.

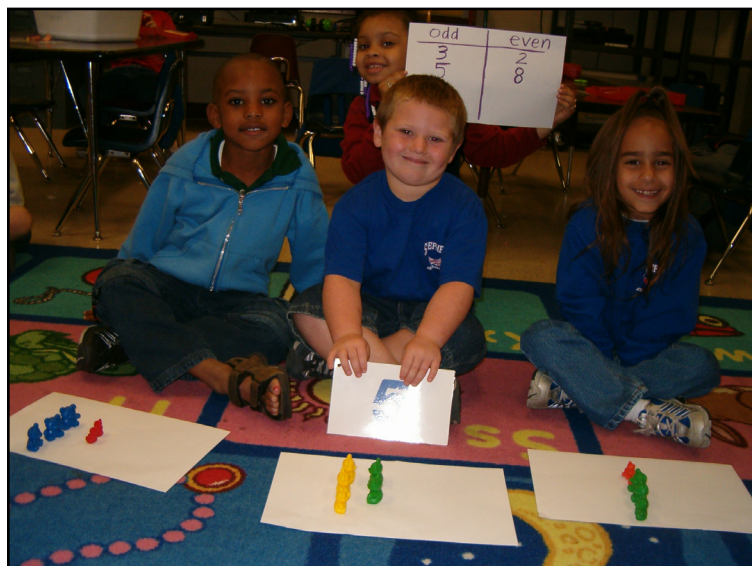
5. After the group is finished, we discuss and record the number again into an odd or even category. Again, we sing our silly phrase for the lonely bears without dancing partners. I work through the numeral cards in a random fashion until all the cards have been shown. We then refer to our record-keeping chart. The students work together to separate the pile of cards according to the chart.
6. Finally, the even numeral cards are spread out to form a number line and the students recite and skip count by 2s.

EVALUATION/ASSESSMENT

Monitor through teacher evaluation.

ADDL INFORMATION

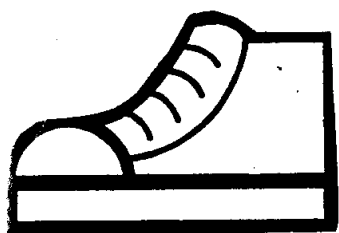
Use Cookie Crisp cereal as an edible manipulative. Tell the group that they may only eat a cookie if an even numeral card is shown. In a similar fashion, line up the cookies in groups of two. When an odd numeral card is shown, sing, "Boohooohoo...no cookie for you!".



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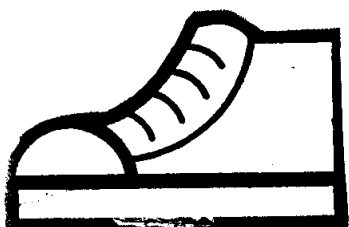
~ Additional Lesson Plan Information ~



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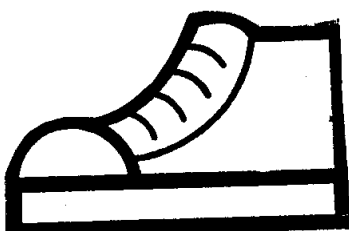
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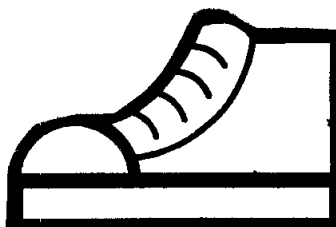
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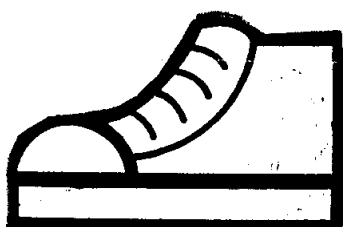
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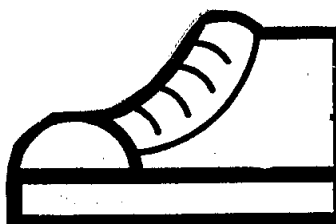
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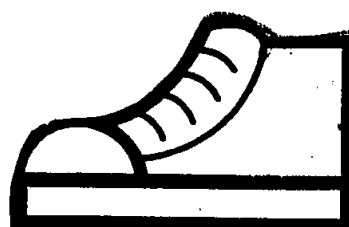
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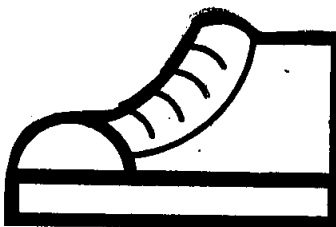
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~ Additional Lesson Plan Information ~



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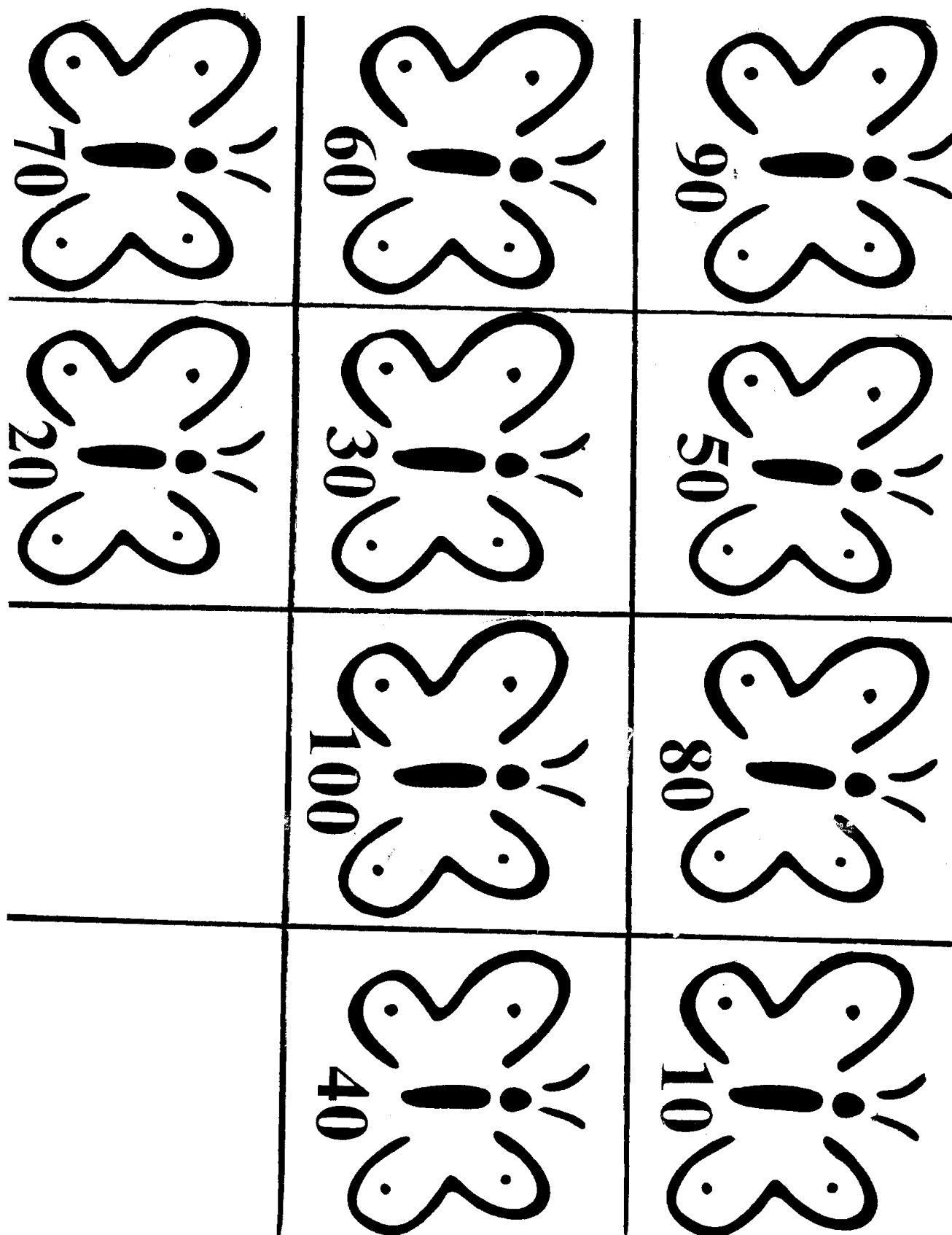
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Materials Budget

ITEM DESCRIPTION	QTY	COST	SUPPLIER	TOTAL COST
Assorted Construction Paper	1	\$2.00	P.C.S.B.	\$2.00
Sentence Strips	2	\$1.00	P.C.S.B	\$2.00
Cassette Player with headphones	3	\$5.00	Walmart	\$15.00
Musical Array-ngements KIT	1	\$15.00	The Math Learning Ctr *	\$15.00
Musical Array-ngements Tape	3	\$4.00	The Math Learning Ctr*	\$12.00
Ice Cube Trays	4	\$1.00	Dollar General	\$4.00
Mini-muffin Tray	3	\$3.00	Dollar General	\$9.00
Number Pointers (paint sticks)	20	FREE	Walmart Paint Dept	\$0.00
Plastic “Magic Spring” (Slinky)	20	\$1.00	Walgreens - toy aisle	\$20.00
Counting Bears Family Set	2	\$15.00	www.eNasco.com	\$30.00
Counting Bear Stamp Set	2	\$4.50	www.eNasco.com	\$9.00
Hundreds Number Board	1	\$14.50	www.eNasco.com	\$14.50
Index cards for Numeral Cards	1	\$2.00	Walmart	\$2.00
** Paper Plates for Clocks	1	\$2.50	Walmart	\$2.50
** Judy Discovery Digital & Analog Clock w/ markings	1	\$22.50	www.eNasco.com	\$22.50
Toy Microphone	2	\$4.50	Walmart	\$9.00
Adding Machine Tape	3	\$3.00	Walmart	\$9.00
* 1-800-575-8130 ** We use analog clocks to practice counting by 5s Teacher’s Name <u><i>Sarah Sesser</i></u> School: <u><i>Medulla Elementary</i></u>				
				Subtotal \$173.50
				Tax if applicable \$13.00
				Shipping if applicable \$13.50
				TOTAL BUDGET AMOUNT \$200.00

