#10440
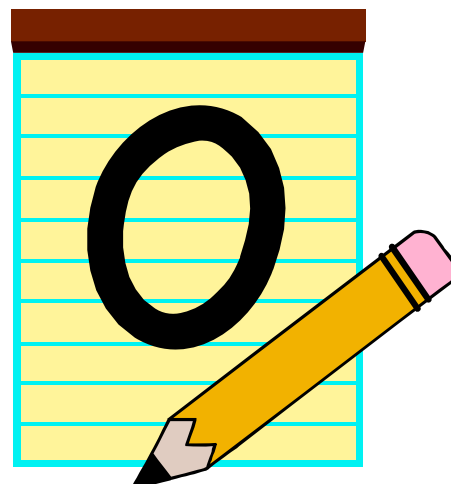## NUMBERS

SVE & CHURCHILL MEDIA, 2003
GRADE LEVEL: PS–2
20 MINUTES

DESCRIPTION

An animated centipede and garter snake teach the concept of numbers. Names a number and shows objects that demonstrate that number. Suggests that students practice writing the numbers between segments.

ACADEMIC STANDARDS

Subject Area: Mathematics
- Standard: Understands and applies basic and advanced properties of the concepts of numbers.
    - Benchmark: Understands that numbers represent the quantity of objects.
    - Benchmark: Counts by ones to ten or higher.
    - Benchmark: Counts objects.

INSTRUCTIONAL GOALS

1. To identify the numerals 0–10.
2. To match numerals with pictorial representations.
3. To count from 1 to 10.
4. To count objects in a pile.

VOCABULARY

1. applause
2. apple
3. "bag of tricks"
4. centipede
5. fine
6. heaven
7. numbers
8. numerals
9. pause
10. pencil
11. snake
12. straight

BEFORE SHOWING

1. Introduce the centipede.
    a. Display pictures of a centipede.
    b. Show animated drawings of a centipede.
    c. Show a live centipede in a jar.
2. Prepare flashcards with the following names written on them:

1

a. Garnet
b. Grata
c. Gregory
d. Greta
e. Mabel

f. Martha
g. Michelle
h. Professor Centi
i. Wanda
j. Wendy

DURING SHOWING

1. View the media more than once, with one showing uninterrupted.
2. Introduce the characters names as they appear.
   a. Display a flashcard with the character's name written on it.
   b. Practice fingerspelling the names.
3. Pause after each of the three sections teaching three numerals.
   a. Practice signing each of the three numerals.
   b. Practice counting with the three numerals.
   c. Display a bag of tricks containing pencils, apples, and snakes. Reenact the counting of the objects.
   d. Point the meaning of "one more."
4. Pause at the end of the sections teaching the numerals 10 and 0.
   a. Discuss the meaning of 0 (nothing, none).
   b. Show the correct signs for expressing the concept of 0.
   c. Reenact the demonstration of 0 pencils, 0 apples, and 0 snakes.
   d. Practice the sign for 10.
   e. Practice counting to 10.
   f. Reenact the counting of the 10 objects show in the program.

AFTER SHOWING

Applications and Activities

1. Read books on counting.
   a. *Baby Bopp's Counting Book* by Mary Ann Dudko, Marquie Larsen, Dennis Full
   b. *The M & M's Brand Counting Book* by Barbara Barbieri McGrath
   c. *The Cheerios Counting Book* by Will Mcgrath
   d. *How Do Dinosaurs Count to Ten?* By Jane Yolen
   e. *1, 2, 3 To the Zoo* by Eric Carle
   f. *Count on Clifford* by Norman Bridwell
2. Develop a muffin tin counting activity.
   a. Write the numbers 1-10 on the bottom of paper muffin cups and place them inside a muffin tin.
   b. Use poker chips, colored candy, or buttons. Sort and place the correct number of items in the muffin cups.
3. Make individual counting books of numerals 1-10. Use stickers on the pages.
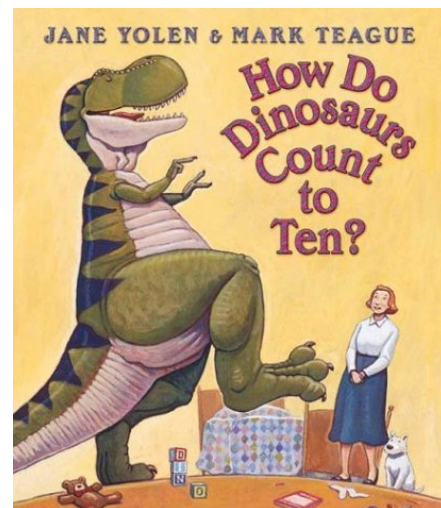
4. Develop a counting activity on birthdays.
    a. Put several candles on a birthday cake.
    b. Display birthday cards that have large numerals written on them and match the numeral with the number of candles on the cake.
    c. Pass out drawings of birthday cakes and draw the candles on the cake. Color the picture.
5. Plan your own bag of tricks.
    a. Bring a bag of surprises.
    b. As the items are revealed, count the number of items that are the same.
6. Develop a human counting activity.
    a. Use masking tape to make several large squares on the floor.
    b. Hold up a numeral and invite that many children to stand inside the square.
    c. Hold up another numeral and invite that many children to sit inside another square.
    d. Use other numerals for lying inside the square, hopping inside the square, or squatting inside the square.
7. Design a spinner activity for counting numerals.
    a. Pass out colored chips for each student.
    b. Take turns to spin the spinner.
    c. Count the number of chips that match the numeral the pointer lands on.
    d. Each student places his or her chips in a straight line.
    e. See who has the longest line at the end of the activity.
8. Use chocolate chip cookies to practice counting.
    a. Bake the cookies and count how many chips are in each cookie.
    b. Label plastic bags with numerals 1-10. Place the correct number of cookies in each bag.
    c. Practice following directions and use numeral cards:
        (1) Place three cookies in a row.
        (2) Place four cookies on top of each other.
        (3) Give two cookies to the teacher.
        (4) Put zero cookies on the chair.
9. Display items that have numerals on them (e.g., calendars, clocks, calculators, rulers, computer keyboard).
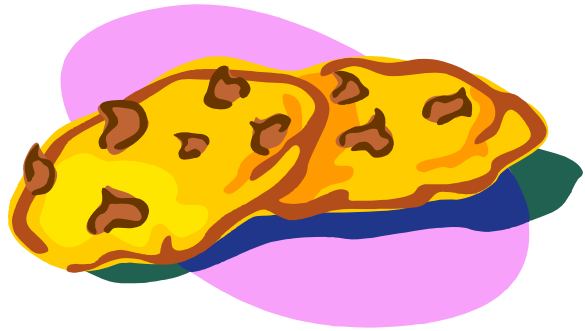
RELATED RESOURCES

Captioned Media Program

- *Apple Blossom Teaches Addition Facts Through 18 #3564*
- *Sing, Dance 'N Sign! #9410*

World Wide Web

The following Web sites complement the contents of this guide; they were selected by professionals who have experience in teaching deaf and hard of hearing students. Every effort was made to select accurate, educationally relevant, and "kid safe" sites. However, teachers should preview them before use. The U.S. Department of Education, the National Association of the Deaf, and the Captioned Media Program do not endorse the sites and are not responsible for their content.

- **COOLMATH4KIDS**

  http://www.coolmath4kids.com/
  Includes coloring worksheets for counting and writing numbers.

- **NUMBERS--MATH THEME**

  http://www.first-school.ws/theme/numbers.htm
  Includes preschool activities, crafts, and lists of books for teaching counting.

- **MATH, NUMBERS, & COUNTING**

  http://www.computerlab.kids.new.net/math_sites.htm
  Uses interactive math games to teach counting. Examples are "Bunny Count," "Counting on a Cloud," "Number Match'Em," and "Connect the Numbers."

- **LIVE AND LEARN**

  http://www.liveandlearn.com/mgame/game.html
  Contains learning activities for preschool age to help learn numbers. Includes "Looking at Numbers," "Counting," "Number Sequence," and "Missing Number."