Rote Counting—See and Say Numbers

Student Probe

Ask students to count as high as they can, starting with one. If a student can count to 10 easily without error, skip this lesson, otherwise continue.

Lesson Description

This lesson is intended to help students be able to recite the numbers 1-10 easily (by rote).

Rationale

Fluent rote counting is the basis for counting with meaning. It is also the basis for all other arithmetic activities.

Preparation

Gather materials:

- Sheet with numbers 1-10
- Blank piece of paper

At a Glance

What: Rote Counting
Standard:
AR.Math.Content.K.CC.A.1
Count to 100 by ones, fives, and tens.
Mathematical Practices:
SMP6: Attend to precision.
SMP7: Look for and make use of structure.
Who: Students who cannot count to 10 by rote.
Grade Level: Kindergarten
Prerequisite Vocabulary: None
Prerequisite Skills: None
Delivery Format: 1 or more students
Lesson Length: 15 minutes
Materials, Resources, Technology: None
Student Worksheets:
Number Cards 1-10
Blank sheet of paper

Lesson

The teacher says or does…	Expect students to say or do…	If students do not, then the teacher says or does…
1. Counting from 1-5: Cover up the numbers 6-10. Tell students: "We are going to count numbers to 5. On this page, I am going to touch each number and say it out loud. I want you to watch and listen." Touch each number and say, "1, 2, 3, 4, 5". "Listen again." Repeat the same process.	Students listen and watch.	Say, "I need you to listen. I'm going to start again. Ready?"

The teacher says or does…	Expect students to say or do…	If students do not, then the teacher says or does…
2. Now tell them, "Now we are going to do it together. When I touch the number say it with me. Ready? Here we go, 1, 2, 3, 4, 5."	Students say it with you.	Start over if student doesn't start with you. Maybe say, "I'm sorry, were you not ready… are you ready now? Good, okay, ready, watch ….1, 2, 3, 4, 5
3. "Good job! Now you are going to help me. This time touch each number with me and let's count out loud together. Ready? Here we go, 1, 2, 3, 4, 5".	Students say it with you	Let's do it one more time because then you are going to try it by yourself. 1, 2, 3, 4, 5
4. Now, I want you to try it by yourself. Are you ready?	Students can say it together or individually	Say, that's okay, let's do it together one more time and we will try it again. If the student is unable to do it after that, cover up all numbers except 1-3. Begin again with just the numbers 1-3.
5. Make sure the student is able to count easily and quickly to 5 before going forward to counting to 10.		
6. "Now we are going to count 1-10 Listen as I touch and say the numbers 1-10. Touch each number and say, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10." "Listen and watch one more time. Ready?" (repeat)	Students listen and watch.	Say, "I need you to listen. I'm going to start again. Ready?"

The teacher says or does…	Expect students to say or do…	If students do not, then the teacher says or does…
7. Now tell them, "Now we are going to do it together. When I touch the number say it with me. Ready? Here we go, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10"	Students say it with you.	Start over if student doesn't start with you. Maybe say, "I'm sorry, were you not ready… are you ready now? Good, okay, ready, let's go….1, 2, 3, 4, 5, 6, 7, 8, 9, 10
8. Let's do it again. Touch each number with me this time and let's count out loud. Ready? Here we go, 1, 2, 3, 4, 5, 6, 7, 8. 9, 10	Students say it with you	Let's do it one more time because you are going to try it by yourself
9. Now, I want you to try that all by yourself. Are you ready?	Students can say it together or individually.	Say, that's okay, let's do it together one more time and we will try it again. If the student is unable to do it after that, cover up all numbers except 1-7. Begin again with just the numbers 1-7.
10. Have students practice every day until they can count easily and fluently.		

Teacher Notes

Rote counting is what most students are able to do before coming to school. This is the very first step. Students should also be engaging in meaningful counting activities by playing games such as Chutes and Ladders, Hi Ho Cherry-O, and Hopscotch.

Variations

Use songs to count the numbers such as: *Numbers in a Circle (10)*. Refer to the website http://www.songsforteaching.com/preschoolkindergarten.htm for words and clips of the actual song.

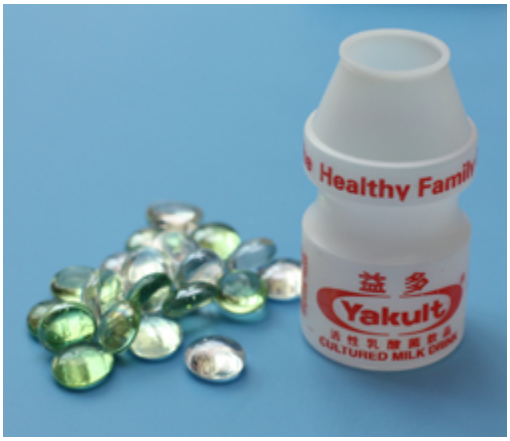
Use books to count the numbers such as:

- 1,2,3 at the Zoo, by Eric Carle
- Arlene Alda's 1,2,3 by Arlene Alda
- Animal Antics from 1-10, by David Wojtowycz
- 1,2,3 Pop! By Rachel Isadora

Use games such as:

- Chutes and Ladders
- Hi Ho Cherry-O!
- Hopscotch

Counting stones: *Give the student 10-20 stones for him to drop one by one into the* bottle. Count from 1 to10 or 1- 20 each time he drops one stone into the bottle.



Cube stacking: Students like to stack and then knock down cubes. The student counts from 1 to 10 while he/she stacks the cubes.

Formative Assessment

Listen to see if students can count fluently and accurately without skipping or stumbling.

References

Elementary and Middle School Mathematics, Teaching Developmentally, Fifth Edition, John A. Van De Walle, pp. 119-124.

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http://www.diykidsmath.com/Numbers/OneToTen/How%20to%20teach%20rote%20counting%20of%201%20to%2010.html

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