

Indicator #17
Counting

Student knows the count sequence.

Research

Counting begins at a young age for many children. When children are reciting numbers they are repeating a memorized sequence. Counting is an integral part of young children's daily experience. Being able to count includes both procedural skills and conceptual understandings of numbers. Children must be able to follow the procedure of saying the number words in the correct order. Once children are able to rote count to 20 they can then begin working on understanding one-to-one correspondence. In order for children to describe and reason about large quantities of items they must refine their understanding of numbers by learning how to rote count. Research shows that counting is a very important skill for children to develop to become proficient counters among the many different areas of the math curriculum.

Sadler, F. H. (2009, October). Help! They Still Don't Understand Counting. *TEACHING Exceptional Children Plus*, 6(1). Retrieved June 03, 2016, from <http://files.eric.ed.gov/fulltext/EJ875422.pdf>

Counting and Cardinality

2.1 PK.A.1

Know number names and the count sequence.

The learner will:

- Rote count up to 20

The learner may also:

- Match a numeral to a set of 0-10 objects
- Represent a number of objects with a written numeral 0-10
- Differentiate numerals from letters
- Counts on when a specific number is provided

Effective Practices:

- Teach children counting songs, rhymes, and chants
- Provide and read books, poems, chants with numbers, and number concepts
- Use number words and numerals, including zero, in everyday situations
- Provide experiences with numbers through daily routines (e.g. attendance, calendar)
- Provide opportunities for writing numerals and representing numbers
- Play number recognition games

ACTIVITIES

Activity:

During center time, encourage students to line up manipulatives: dinosaurs, cars, bears etc. Encourage students to count the number of items.

Activity Prompts:

“How many _____ do you have?”

Evidence Collection Strategies:

- Teachers will observe students' ability to count the correct number of manipulatives.

Home School Connection:

Have children practice counting various objects at home.

Activity:

The teacher will start the lesson by telling the children they are going to do some exercise moves. The teacher will ask students to think of some exercises they would like to do together. Next, the teacher will explain to the class that the moves are important, but what is more important is that as the teacher walks around they should be able to hear them whisper counting every move they do. Explain whisper counting: quietly counting each move as it is done. The teacher will say each move they will need to complete and also how many they must complete.

Activity Prompts:

The teacher will ask children to whisper count while they are completing the exercises.

Evidence Collection Strategies:

- The teacher will observe and listen to the children as they whisper count and complete all the moves.
- The teacher will keep a checklist record of each child counting.

Home School Connection:

Play a game in the car or at home. Children can be asked to count a variety of different things.

Activity:

During the activity for morning meeting, teacher plays Jack Hartmann's counting video from YouTube (<https://www.youtube.com/watch?v=0TgLtF3PMOc>). Have the children participate in the activities in this video.

Activity Prompts:

Teacher counts, sings, dances and exercises along with students in between collecting evidence.

Evidence Collection Strategies:

Teacher observes students' rote-counting ability using a checklist that contains the class roster.

Home School Connection:

Encourage parents to play counting games with their kids such as:

- Alternating between counting numbers. (Parent says, "1", child says, "2", parent says next number and so forth...)
- Count how long it takes Mom to finish a given task. (Child counts aloud, parent can correct).
- Count how many steps it takes to reach your favorite toy.

Teacher can also share the Jack Hartmann video with parents so students can enjoy it at home.