



Measure Me!

INSTRUCTOR GUIDE



Math Talk

Child Vocabulary:

Math Vocabulary

Estimate

Age-Appropriate Definition

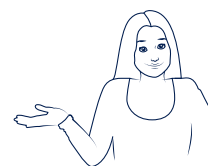
“Guess”

Measurement

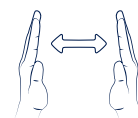
“To find the amount or size”

Hand Motion

Put hand out and tilt head to the side.



Move hands together and away from one another.



Adult Vocabulary:

Math Vocabulary

Non-standard vs. standard units of measurement

Definition

“Nonstandard units of measurement are units of measurement that aren't typically used (paper clips, pieces of paper, hands, etc.). Standard units of measurement are units of measurement that are typically used within a measurement system (inch, feet, meter, gram, etc.).”

Self-Talk: is when you narrate your own actions. Here are some examples of how to use self-talk to practice measuring:

- » While cooking, “I need 2 cups of water and one cup of rice. Here are 1, 2 cups of water. And here is 1 cup of rice!”
- » While grocery shopping, “We need the biggest carton of milk because we drink a lot of milk! This carton is taller and wider than the others, so it's the biggest!”

Parallel-Talk: is when you narrate the child's actions. Here are some examples of how to use parallel-talk to practice measuring:

- » When a child is playing with blocks, “You built one tower that is taller than the others and two towers that are the same height!”
- When a child is playing at the water table or in the bath, “You poured four cups of water into the big container to fill it up!”

Build

Teaching Strategies GOLD Alignment

22 Compares and Measures

(Yellow, Green, Blue, and Purple)

Makes simple comparisons between two objects. Compares and orders a small set of objects according to size, length, weight, area, or volume. Uses multiple of the same unit to measure; uses numbers to compare; knows the purpose of a standard measuring tool. Uses measurement words and some standard measurement tools accurately.



Book Recommendation:

The Best Bug Parade
by Stuart J. Murphy

Song Recommendation:

Baby Shark
by Pinkfong

Play and Connect

Here are some ideas for continuing to play and learn about measuring!

In The Classroom:

» As students enter the classroom, help them to use a piece of string to measure themselves. Have a child hold the string to the top of their head and cut it near their feet. During morning meeting, have students compare their heights. Ask students to order themselves from tallest to shortest using their strings. Help students to put themselves in order.

» In the Science Center, let students explore different measurement tools (scales, rulers, measuring tapes and cups, etc.).

At Home Visits:

» Have parents compare the heights of each family member with their child. They can talk about the different ways they can measure and compare their sizes. For example, they may ask, "Could you compare the size of clothes?... Shoes?"

» Encourage parents to let their child help them make a recipe. They can show them how to measure the food as they cook it. Tell parents to let their child try to measure!

» At the sink or in the bath, have parents provide their child with cups of different sizes. They can let them see how many cups it takes to fill up a container. Parents can estimate and talk about which cup can hold the most water with their child.

TS GOLD ALIGNMENT

Game Level

Name/Description



Seed
2 Years

Perceptual Comparer

Make simple comparisons between two objects. When shown a bouncy ball and a basketball, indicates that the basketball is bigger.



Sprout
3 Years

Length Quantity Recognizer

Child can identify length as an attribute. May say, "My tower is tall."



Sprout
4 Years

Length Direct Comparer

Child can physically align 2 objects and determine which is longer or if they are the same.



Bloom
5 Years/
Kinder

Indirect Length Comparer

Child can compare the length of two objects using a third object to measure (such as a string). May measure the height of a block tower using unifix cubes and say, "I made a tower that is 10 cubes tall."



Bloom
5 Years/
Kinder

Serial Orderer to 6+

Child orders lengths, marked 1 to 6 units. A child orders towers of cubes from a 1-cube tower to a 6-cube tower from tallest to shortest. Child begins to understand how to use standard measuring tools. Child may stand on a scale, pretending to be at the doctor's office.



Bloom
5 Years/
Kinder

End-to-end Length Measurer

Child begins to think about the need for equal-length units. Child may line up blocks along a book to measure how long it is.

Learn more about playing math at
www.zenomath.org/partner-resources/