Math Talk

Child Vocabulary:

<table>
<thead>
<tr>
<th>Math Vocabulary</th>
<th>Age-Appropriate Definition</th>
<th>Hand Motion</th>
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</thead>
<tbody>
<tr>
<td>Estimate</td>
<td>“Best guess”</td>
<td>Put hand out and tilt head to the side.</td>
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<tr>
<td>Measure</td>
<td>“To find the amount or size”</td>
<td>Move hands together and away from one another.</td>
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Adult Vocabulary:

<table>
<thead>
<tr>
<th>Math Vocabulary</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Non-standard vs. standard units of measurement</td>
<td>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.).</td>
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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 is 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!”
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 Visit:

» Compare the heights of each family member. Talk about different ways that you could measure and compare your sizes. Could you compare the size of clothes? Shoes?

» Let your child help you to make a recipe. Show them how you measure the food as you cook it. Let them try to measure!

» At the sink or in the bath, provide your child with cups of different sizes. Let them see how many cups it takes to fill up a container. Estimate and talk about which cup can hold the most water.

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