

## Viewer Worksheet for:

### *Supporting Mathematical Development in Young Children: Measurement*

This [video](#) describes children's ability to notice the various attributes of objects and to describe their sizes. Adults can introduce measurement of those objects using both standard and nonstandard units.

**Teachable Moment** – While setting up a dramatic play area as a radiology center, two children notice that the light table won't fit, and the x-rays will fall off if it remains upright. They want to place it on a table. The teacher asks how they can know if it will fit on the table. One child suggests they try it, another thinks they should measure it. The teacher supports them to use a tape measure and try measuring it first.

Additional ideas for using measurement for problem-solving:

**Explicit Teaching** – A teacher works one-on-one with a child to explore measurement with a ruler and some non-standard units (a collection of rubber worms.) He measures the ruler with the worms and they notice that it is two worms long. She then invites him to help her measure some additional objects.

Additional strategies for teaching children about measurement:

**Play** – While constructing with Duplo blocks a child asks the teacher, who is sitting closest to the bin, for another block. The teacher holds out a few options and asks if she needs a big, little or medium one. The child points and asks for the medium one then uses it in her building.

Additional ideas for including measurement in play:

**A lot of mathematics learning occurs within the context of classroom play, especially when teachers are talking with children about how to solve problems involving number.**

What are some vocabulary words related to measurement that adults could use with children?

Identify the tools and materials used for measuring that you noticed in the video:

What are some additional tools or items that could be used for standard or non-standard measurement?

**A meaningful curriculum is integrated so that learning experiences include many developmental domains and content areas. This video focused solely on mathematics. Think about ways that measurement could be integrated into a larger topic of study in authentic ways.**

**Topic:** \_\_\_\_\_

**Write your ideas here.**