TOO-SMALL TYSON

Measurement

Preschool

This book is about the youngest and smallest of four brothers, Tyson, who uses measurement and creativity to rescue his pet gerbil. This book lends itself to using comparison and measurement words as Tyson problem-solves.

CORE SKILL OBJECTIVES

THINK-MATH

Children will:

- Use measurable attributes to compare size and length
- Identify which of two objects is longer

INTENTIONAL TEACHING PRACTICES

Teachers will:

- Use measurement words
- Prompt children to make measurements

TEACHING TIP

Young children can build on their measuring skills when comparing and learning to order three or more objects. This supports their understanding that objects can be measured in different ways. Provide opportunities for children to learn measurement in meaningful ways – the more concrete, relevant, and visible the examples, the more likely children are to understand what they're learning. This story uses family dynamics and a tricky problem to show measuring as important and accessible.

1. INTRODUCE

- "Knowing how long or short something is can be really helpful. Today we will read *Too-Small Tyson,* and see how Tyson solves his problem by measuring."

2. READ THE BOOK

- Pause occasionally to comment on comparisons within the illustrations, using relevant measurement vocabulary.
- Ask children to point out or compare various measurements and attributes.

Use Measurement Words

Read: "'I have to take way more steps to go as far as you guys,' Tyson tells his brothers." **Comment:** "Look at Tyson and his brothers' feet. Tyson's feet are smaller than theirs. Their shoes look wider." **Ask:** "What do you notice about the distance between Tyson's footsteps compared to his older brothers?"	**Read:** "There are short tubes, medium tubes, and long tubes." **Comment:** "It looks like three medium tubes are the same length as one long tube. Two short tubes are equal to one medium tube. They're each a different size, but you can put them together to make them longer."	**Read:** "Tyson slides the connected tubes under the bed." **Comment:** "The short, medium, and long tubes connected reach farther than just one alone. **Ask:** "If your arm was longer than Tyson's, could you use longer or shorter tubes than he did?"

3. REVIEW

- "Tyson used different sized tubes to make a longer tube to rescue his gerbil. Measuring can help us make something longer or shorter."

4. KEEP IT GOING

- Provide a variety of stacking/crafting materials that can be made into different sizes for children to explore and manipulate. Use measurement words to help them understand how their creations' sizes are related. Model and encourage children to use measurement words as they solve problems and look for solutions while building their creations (e.g., "You are trying to make your tower reach the shelf, but it's too short. How will you make it taller?").