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Using STEM to reinforce measurement skills.

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Summary: When measurement is taught without a context, students may struggle to make sense of the numbers and units involved. To master measurement, elementary school students need opportunities to discuss how they measured and applied their developing skills and reasoning in context. Measurement is an essential life skill, required to do everything from painting and decorating a room to determining how long it takes to drive to work. Science, technology, engineering, and mathematics (STEM) units can integrate multiple topics and ideas with context, allowing students to deepen their understanding of mathematical concepts like measurement. The STEM unit presented in this article teaches measurement concepts through real-world applications and highlights how these lessons can be useful in addressing some of the challenges students face when using measurement in a context. (ERIC)

Classification: M50 F70 G30 D80

Keywords: modeling; activities; volume; measurement

<http://www.nctm.org/Publications/Teaching-Children-Mathematics/2015/Vol22/Issue3/Using-STEM-to-reinforce-measurement-skills/>