

***Using Manipulatives and Educational Animations to Support  
Students' Reasoning on Measurement***

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This session describes an instructional sequence using manipulatives and animations to support fourth-grade students' understanding of measurement concept. Experiences during the activities confirm the relevance of designing realistic tasks using students' previous knowledge to support their ideas and interpretations as well as their growth to solve specific math problems related to the measurement. Instructional activities to solve problems related to measurement, with student work and video recordings, will be presented to exemplify how mathematical reasoning was developed through these activities. Recommendations related to the design and use of different materials will be discussed.