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# Developing a Knowledge Base for the Improvement of Mathematics Learning

by

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4 – 5:30 PM

Oviatt Presentation Room

Abstract

The National Mathematics Panel is about to issue a report responding to the charge: What is known about the teaching and learning of mathematics up to algebra that would enable more children to be successful in algebra? The report suggests that, although we have made substantial progress in some domains, we still have a long way to go in building the knowledge base we need to improve the quality of instruction and students' learning.

In this session, we will consider what would be involved in developing a robust knowledge base useful for effective instructional improvement. As illustration, we will describe one practice-based program of research and development that is responsive to this need and will distill several key principles for developing knowledge that will support systematic improvements in teaching and learning.

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