

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Tuesday, March 29
6:45 pm in MS 101

AN OVERVIEW OF SINGAPORE MATHEMATICS TEXTBOOKS

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Abstract

According to the Trends in International Mathematics and Sciences Study, TIMSS-2003, students from Singapore rank number 1 in the world while U.S. students rank 16th out of the 46 participating nations and below other industrialized countries. Recently the American Institutes for Research released an exploratory study commissioned by the U.S. Department of Education to identify key features of mathematics education in the two countries that may account for the differences. These include frameworks, textbooks, assessments, and the preparation of teachers. Professor Bisk will report on the characteristics of the elementary level Singapore books and how they differ from many U.S. texts. He will provide an overview of the model drawing approach to problem solving that is a key feature of these texts.

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