

A New Approach to Mathematical Problem Solving in the School Curriculum

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In this symposium, we discuss the re-conceptualisation of problem solving in the school mathematics curriculum that is part of the M-ProSE project (Mathematical Problem Solving for Everyone). We propose the use of mathematics practical lessons, similar to practical lessons in science education and the use of an assessment rubric that focuses on key processes of problem solving. We also focus on teacher preparation for a seamless implementation of the problem solving curriculum in school. The following three papers will be presented during the symposium:

Paper 1: Jaguthsing Dindyal, Nanyang Technological University. *Reconceptualising problem solving in the school curriculum.*

Paper 2: Toh, Tin Lam, Nanyang Technological University. *Assessment in a problem solving curriculum.*

Paper 3: Leong, Yew Hoong, Nanyang Technological University. *Teacher preparation for a problem solving curriculum.*