

ZMATH 2016a.00393

Cheong, Chui Chui Hilary; Lee, Grace Yun Yun; Eng, Guan Tay
Mathematical problem solving in Tanjong Katong Girls' School.

Leong, Yew Hoong (ed.) et al., Making mathematics more practical. Implementation in the schools. Hackensack, NJ: World Scientific (ISBN 978-981-4569-07-1/hbk). 61-78 (2014).

Summary: This chapter aims to consolidate the experience of Tanjong Katong Girls' School in teaching problem solving using the MProSE programme to eight Year 8 classes over nine lessons. We first share our motivation for participating in the programme. We then review the students' test scores, students' feedback, and teachers' reflections to uncover the outcomes of our first implementation. In general, we found that despite certain challenges and setbacks, MProSE can benefit all our students as it can prepare them for the 21st century by equipping them with essential problem solving skills. Thus, in the last part of this chapter, we describe the improvements we made for our second implementation to better achieve the intended results of teaching problem solving to our students.

Classification: D53 D33

Keywords: problem solving; curriculum; educational programmes; improvement

doi:10.1142/9789814569095_0004