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Teaching problem solving to mathematics student teachers in a Malaysian context.

Smith, C. (ed.), Proceedings of the British Society for Research into Learning Mathematics (BSRLM). Vol. 33, No. 1. Proceedings of the day conference, University of Bristol, UK, March 2, 2013. London: British Society for Research into Learning Mathematics (BSRLM). 25-30 (2013).

Summary: Problem solving is viewed as an important component in mathematics teaching and learning in Malaysia. As part of my research project on student teachers' recontextualisation of problem solving, I would like to share how one mathematics teacher training program in Malaysia teaches problem solving to student teachers. The courses within the program which focus on problem solving are Methods for teaching mathematics, Laboratory in mathematics education, Microteaching and Operational Research. I am using a critical discourse analysis approach on the data, focusing on what counts as a problem, what problem solving processes are demonstrated and the values portrayed about the problems and problem solving processes. The similarities and differences in the ways the courses portray problem solving and its values are emphasised.

Classification: D59 D39

Keywords: problem solving; preservice teacher education; educational research; teaching; values; recontextualisation; processes; courses; methods; laboratory; operational research

<http://www.bsrlm.org.uk/IPs/ip33-1/BSRLM-IP-33-1-05.pdf>