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19 - The Place of Mathematical Modelling in Mathematics Education

Michael J. Hamson

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This paper will first consider the current content of mathematics curricula in schools and universities. Although the author's views are influenced by first hand knowledge of the UK educational system, the problems in mathematics education discussed here are universal. Current deficiencies in the content of secondary school mathematics and the difficulties in recruiting mathematics undergraduates are discussed. The place of mathematical modelling within mathematics curricula at school and university levels is then outlined. A strong case is made for including modelling and problem solving in these curricula.

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