

**ZMATH 2005b.00675**

**MacGregor, Mollie**

**Goals and content of an algebra curriculum for the compulsory years of schooling.**

Kaye, Stacey et al., The future of the teaching and learning of algebra. Kluwer Academic Publishers, Dordrecht (ISBN 1-4020-8130-8). 313-328 (2004).

This chapter is concerned with the significance of algebra for the broad population of students in the compulsory years of schooling and with what should constitute a basic algebra curriculum. Three broad reasons for scrutiny of the curriculum are identified: the growth of universal education, the challenges and opportunities brought about by information technology, and the concern arising from documented low student achievement. The chapter proposes that the reasons for all students to learn algebra are complex, and must go beyond simple assertions of utility. The final section gives appropriate goals for a basic algebra curriculum.

*Classification:* H13

*Keywords:* compulsory education; general education; values