



Research on Technology in the Teaching and Learning of Mathematics: Research Syntheses v. 1: Syntheses and Perspectives

By -

Information Age Publishing, United States, 2008. Paperback. Book Condition: New. 231 x 157 mm. Language: English . Brand New Book ***** Print on Demand *****.A volume in Research on Technology and the Teaching and Learning of Mathematics: Syntheses, Cases, and Perspectives According to NCTM s Principles and Standards for School Mathematics, Technology is essential in teaching and learning of mathematics; it influences the mathematics that is taught and it enhances students learning. How does research inform this clarion call for technology in mathematics teaching and learning? In response to the need to craft appropriate roles for technology in school mathematics new technological approaches have been applied to the teaching and learning of mathematics, and these approaches have been examined by researchers world-wide. The first volume provides insight into what research suggests about the nature of mathematics learning in technological environments. Included in this volume are syntheses of research on technology in the learning of rational number, algebra, elementary and secondary geometry, mathematical modeling, and calculus. Additional chapters synthesize research on technology in the practice of teaching and on equity issues in the use of technology in mathematics instruction. Instead of simply reporting achievement scores of students who use technology in their...



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