



# Teaching Mathematics in Grades 6 - 12: Developing Research-Based Instructional Practices

*Randall E. Groth*

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*Teaching Mathematics in Grades 6 - 12* by **Randall E. Groth** explores how research in mathematics education can inform teaching practice in grades 6-12. The author shows preservice mathematics teachers the value of being a "researcher" constantly experimenting with methods for developing students' mathematical thinking and connecting this research to practices that enhance students' understanding of the material. Ultimately, preservice teachers will gain a deeper understanding of the types of mathematical knowledge students bring to school, and how students' thinking may develop in response to different teaching strategies.

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