

# Handbook of Research on Online Pedagogical Models for Mathematics Teacher Education

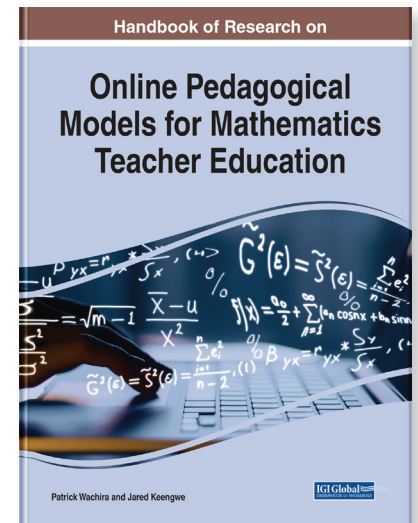
Part of the Advances in Higher Education and Professional Development Book Series

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## Description:

Online learning has become an important vehicle for teacher and student learning. When well designed, online environments can be very powerful in a way that is consistent with the goals of inquiry, experimentation, investigation, reasoning, and problem solving so learners can develop a deep understanding of a subject. Some subjects, however, are not well suited for this type of learning due to the need for small group collaborating and hands-on problem solving.

The **Handbook of Research on Online Pedagogical Models for Mathematics Teacher Education** provides innovative insights into technology applications and tools used in teaching mathematics online and provides examples of online learning environments and platforms that are suitable for meeting math education goals of inquiry, investigation, reasoning, and problem solving. The content within this publication examines access to education, professional development, and web-based learning. It is designed for teachers, curriculum developers, instructional designers, educational software developers, IT consultants, higher education faculty, policymakers, administrators, researchers, academicians, and students.



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## Topics Covered:

- Access to Education
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- Traditional Learning
- Web-Based Learning

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