

Cases on Informal Learning for Science and Mathematics Education

Part of the Advances in Early Childhood and K-12 Education Book Series

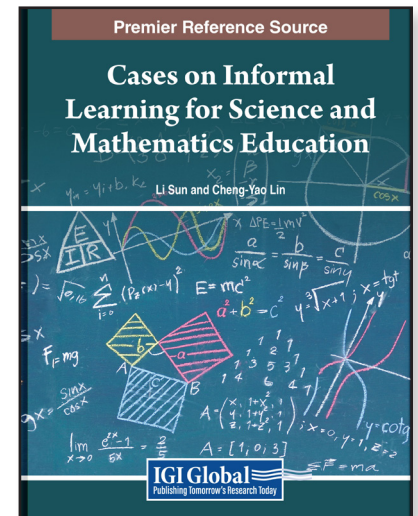
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Description:

Many educators face the challenge of engaging students in science and mathematics, often struggling to bridge the gap between theoretical concepts taught in classrooms and their real-world applications. This disconnect can lead to disinterest and disengagement among students, hindering their learning outcomes. **Cases on Informal Learning for Science and Mathematics Education** offers a solution to this problem by showcasing how informal learning experiences can significantly enhance students' understanding and engagement in these subjects.

This book demonstrates the potential of informal learning to support and complement formal classroom instruction by presenting a rich collection of case studies. It highlights how activities such as cooking, budgeting, visiting museums, and participating in after-school math clubs can serve as valuable informal learning experiences that deepen students' understanding of science and mathematics concepts. The book also addresses the challenge of recognizing the value of informal knowledge in problem-solving, offering insights and strategies for educators to help students leverage their informal learning experiences.

With a focus on integrating informal learning into formal education settings, this book provides practical guidance for teacher educators, K-12 teachers, professional development educators, parents, and informal educators. It aims to inspire educators to tap into the rich reservoir of informal knowledge students accumulate daily, empowering them to create more engaging and effective science and mathematics learning experiences. By offering a comprehensive exploration of informal learning in science and mathematics education, this book is a valuable resource for those seeking to enhance their teaching practices and improve students' learning outcomes.



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- The Role of Digital Technology

Subject: Education

Classification: Case Book

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