



# Teaching and Learning Proof Across the Grades: A K-16 Perspective (Studies in Mathematical Thinking and Learning Series)

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In recent years there has been increased interest in the nature and role of proof in mathematics education; with many mathematics educators advocating that proof should be a central part of the mathematics education of students at all grade levels. This important new collection provides that much-needed forum for mathematics educators to articulate a connected K-16 "story" of proof. Such a story includes understanding how the forms of proof, including the nature of argumentation and justification as well as what counts as proof, evolve chronologically and cognitively and how curricula and instruction can support the development of students' understanding of proof. Collectively these essays inform educators and researchers at different grade levels about the teaching and learning of proof at each level and, thus, help advance the design of further empirical and theoretical work in this area. By building and extending on existing research and by allowing a variety of voices from the field to be heard, *Teaching and Learning Proof Across the Grades* not only highlights the main ideas that have recently emerged on proof research, but also defines an agenda for future study.

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### **Editorial Review**

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**Dawne Feliciano:**

Exactly why? Because this Teaching and Learning Proof Across the Grades: A K-16 Perspective (Studies in Mathematical Thinking and Learning Series) is an extraordinary book that the inside of the book waiting for you to snap the item but latter it will shock you with the secret that inside. Reading this book next to it was fantastic author who else write the book in such remarkable way makes the content on the inside easier to understand, entertaining approach but still convey the meaning fully. So , it is good for you for not hesitating having this nowadays or you going to regret it. This phenomenal book will give you a lot of rewards than the other book possess such as help improving your talent and your critical thinking approach. So , still want to hold up having that book? If I had been you I will go to the reserve store hurriedly.

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