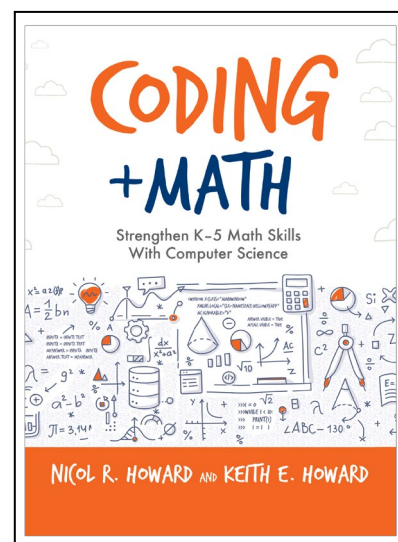


Coding + math

Strengthen K–5 math skills with computer science

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Price	\$34.95
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Topics	Mathematics Technologies 21st Century Skills



Summary

How-to books related to computer science (CS) and teaching CS in K–12 environments are often either step-by-step guides or reference books, with little or no connection to pedagogy. By contrast, *Coding + math* offers the analytical foundation teachers need to inform their practice, specifically in mathematics.

This book will serve as a deep dive into CS integration for elementary teachers, providing guidelines for designing integrated CS/mathematics curricula through case studies and practical examples. Grounded in research, the book's mini-lessons contrast visual-based coding with text-based programming and provide guidance in the selection and creation of lessons, instructional materials and CS platforms to help educators prepare students for the careers of the future.

The book includes:

- current research related to the inclusion of CS in K–5 classrooms
- recommendations on how to incorporate CS to support strengthening mathematics skills
- practical programming examples that encourage 'getting out of the blocks'
- 'mission clarity' reminders to support the decision-making process for CS integration in your classroom.

Other resources

- *Transform your K–5 math class: Digital age tools to spark learning* (IST4093)
- *Transform your 6–12 math class: Digital age tools to spark learning* (IST4094)
- *Rev up robotics: Real-world computational thinking in the K–8 classroom* (IST1178)
- *No fear coding: Computational thinking across the K–5 curriculum* (IST3677)