Let's All Teach Computer Science

A Guide to Integrating Computer Science Into the K-12 Classroom
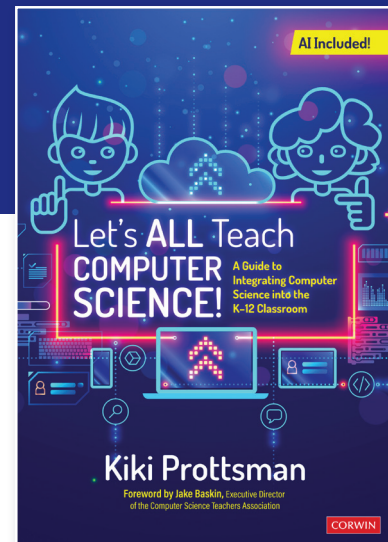
Kiki Prottsman

You belong in this world of computer science education— and because of you, adults of the future will understand how to responsibly participate in high-tech environments with confidence.

Districts, cities, and states are moving toward computer science requirements for all K-12 classrooms, even in courses that were not previously associated with technology. These new requirements leave many teachers feeling anxious and unprepared when it comes to integrating computer science into existing curriculum. This book is here to support educators in that shift by inviting them to explore computer science and coding in an approachable and unintimidating way.

Let's All Teach Computer Science: K-12 is a source of inspiration and empowerment for educators who are moving into this technological wonderland. Kiki Prottsman has more than 15 years of experience in computer science education, and her insight informs thoughtful discussions on promoting creativity, problem-solving, and collaboration in students. The book positions computer science in a way that supports other essential skills–such as reading, writing, and mathematics– by providing customizable frameworks that help to seamlessly integrate computer science into core subjects. This book:

- Provides powerful insights for creating innovative and inclusive learning environments

- Offers practical examples of integrating computer science into traditional subjects like math, history, art, and more

- Highlights the importance of addressing implicit biases and promoting computer science as an inclusive field for all students

- Includes insights on classroom technology and educational technology, as well as AI and its role in education

- Encourages educators to work together to nurture digital innovators while recognizing potential challenges and frustrations

Let's All Teach Computer Science is an essential guide that equips K-12 teachers with the knowledge and tools necessary to begin teaching computer science immediately–and does so in an enjoyable way, thanks to Prottsman's friendly and playful style.

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FIVE STAR REVIEWS
★★★★★

"Kiki Prottsman's book is a thoughtful exploration of various ways educators of all disciplines can incorporate meaningful lessons using computer science. She focuses on tangible, achievable approaches and offers supportive guidance along the way. I particularly loved Prottsman's anecdotes, resources, and questions which tie her guidance to real-world scenarios. This book helps envision how we can enhance students' lives by using tools in computer science!"

—Jen Fox, Engineer, Maker, Educator, Microsoft, Seattle, WA

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