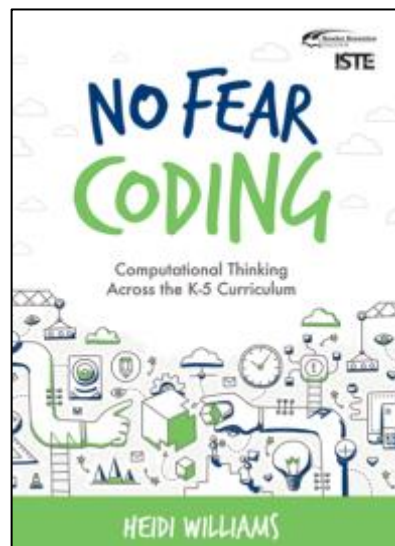


# No Fear Coding: Computational Thinking Across the K–5 Curriculum

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<b>Focus Area:</b>	Professional Development, Activities and Exercises, Classroom Practice and Direct Instruction, Critical and Creative Thinking
<b>Key Learning Area:</b>	Technologies



## Summary

Computational thinking has many applications beyond the computer or math class—it teaches reasoning, creativity and expression, and is an innovative way to demonstrate content knowledge and see mathematical processes in action. Coding goes beyond websites and software—it’s an essential component in finding solutions to everyday problems. With *No Fear Coding*, author Heidi Williams shows K–5 educators how to embed computational thinking skills into activities for every content area, helping students learn to code and preparing them for the middle grades as they build their knowledge.

To help teachers easily and effectively introduce coding, the book features:

- Classroom-tested lessons and activities designed for skills progression.
- Ready-to-implement coding exercises that can be incorporated across the curriculum.
- Alignment to ISTE, educational standards and Computer Science Teachers Association (CSTA) standards.
- Case studies and explorations of technology tools and resources to teach coding.

## Other Resources

- *Engage in the Mathematical Practices: Strategies to Build Numeracy and Literacy with K–5 Learners* (SOT1567)
- *Learning First, Technology Second, The Educator’s Guide to Designing Authentic Lessons* (IST3707)
- *Make, Learn, Succeed: Building a Culture of Creativity in Your School* (IST0874)
- *Picture-Perfect STEM Lessons, 3–5: Using Children’s Books to Inspire STEM Learning* (NST3639)