Computer Science prepares students for some of the highest paying and fastest-growing jobs. Computer science is a foundational pathway and creative outlet that will help students thrive in their academic and professional careers. It’s often misunderstood and under-resourced in K-12 education. Many schools don’t offer computer science and most existing classes are not diverse or representative of our population. There is a lack of Computer Science specialized teachers as many pre-service teaching programs fail to offer specialized certification in Computer Science. This makes computer science education every teacher’s responsibility.

Any educator at any grade level can integrate computer science into their daily content teaching. Our unique approach to Computer Science provides an equity lens and clear link to labor market needs.

mindSpark helps schools and districts build cohesive, equitable, and sustainable K-12 CS pathways - ensuring that educators are capable and confident of their teaching and learning practices in Computer Science.

We can support you:

- Create a new program from scratch
- Modernize an existing program
- Create educator capacity/upskill educators to support your state or local requirements

Helping school leaders successfully develop and advance computer science programs through an equity lens.

Fostering computer science curiosity for students through extraordinary teacher experiences.

Building long-term capacity in educators to champion and guide computer science mastery for students.

Learn more at www.mindspark.org/computer-science
PROGRAMS:

Computer Science for All Teachers
This on-demand program will guide you on how to implement CS skills and concepts into your curriculum, connect to existing academic standards, and prepare your students for the future.

CS is a way of thinking past coding. In our program you will learn:
• Integrate CS and AI in Math, ELA, SS, and Science from K-12th grade and accessible to all students
• Explore computational thinking, plugged and unplugged CS lessons and resources
• Become a confident CS educator

IBM AI Education
IBM AI Education is an immersive, online professional learning suite of FREE live and on-demand webinars taken to the next level, crafted by and for educators. The nine webinars will guide educators through AI’s foundational concepts and K-12 classroom connections, with topics including introduction to AI, natural language processing, ethics, robotics, and more.

Code.org
MindSpark is the regional partner for Code.org in Colorado and Utah. Every year we partner with Code.org to offer K-12 computer science programming across K-12 disciplines. Discover our programming with Code.org below.

Find a Local Computer Science Class: code.org/learn/local

Other Ways We Can Help
• Visioning Workshops for K-12 planning, standards alignment, scope and sequence
• Grant Funding Workshops to optimize and cultivate funding streams
• Education Accelerators that support your problem of practice in computer science
• Code.org Professional Learning - Computer Science Fundamentals, Discoveries and Principles
• Computer Science Career Literacy

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