SHIFTING MINDSETS FROM LEARNING TO CODE TO CODING TO LEARN

Implementing Computer Science in All Classrooms
In Collaboration with Amazon Future Engineer

COURSE DESCRIPTION HIGHLIGHTS

- Created for **non-computer science educators** across all content areas

- Thinking processes of computer science and computational thinking applicable to **all disciplines**

- **Expand teachers' "toolboxes"** of effective problem solving strategies for student learning and future careers

- Paths for both **elementary** and **secondary** educators available

THEMES

- **Computational Thinking**

- **Critically Thinking and Problem Solving** (Transferable Skills)

- **Integrating Learning to Code with Coding to Learn** (Shifting Mindsets)

- **Learning is a Social Experience**

Implementing Computer Science in All Classrooms Information Highway:

Module 1: Introduction to CS and CT
Module 2: Coding
Module 3: Making Connections
Module 4: Content Connections

PERFORMANCE OBJECTIVE HIGHLIGHTS

UPON COMPLETION OF THIS EXPERIENCE, PARTICIPANTS WILL:

- Be capable of teaching students the core of **computer science is problem solving** and applicable to **any content**

- Understand how to teach **computational thinking skills across all content areas**

- Be able to accelerate student learning via **transferable computer science and computational thinking skills**

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