Computer Science PD Playlist

CONNECTICUT
Education

Directions: Explore resources, read one article, watch one video, and listen to a recording of your choice from the list below. Feel free to go big and read them all to support planning, learning, and teaching.

READ
Read one or more articles

- Reimagining CS Pathways (CSTA and ACE)
- AI Learning Priorities for All K-12 Students (CSTA and AI4K12)
- Why all students need a foundation in computer science and AI (EdSource)
- The Urgent Need to Expand Access to Computer Science Education (The Journal)

WATCH
Watch one or more videos

- (52:06) AI and Coding Education for Kids in K-12 with Jamila Cocchiola of Code.org
- (45:48) Creating a K-12 CS Pathway: Building Your Bench
- (53:58) Integrating AI in K-12 education
- (1:52) Teaching AI in K-12
- (5:13) What is Artificial Intelligence?

LISTEN
Listen to one or more recordings/podcasts

- (17:33) The case for making computer science a part of every K-12 curriculum
- (54:36) AI4K12 Guidelines and Getting Students Passionate about Computer Science
- Chat EDU EdAdvance
- (4:45) Why Computer Science is the Foundation of AI Literacy

EXPLORE
Explore additional resources used in the field

- Connecticut Computer Science Model Curriculum **K-8**
- Computer Science Dashboard Edsight
- Connecticut Guidance on Artificial Intelligence Commission for Educational Technology
- AI Guidance For Schools Toolkit Teachai.org
- Get involved in the Lt. Governor's Computing Challenge Computing Challenge (ltgovcc.org)
- Participate in the Hour of AI:**Hour of AI | CSforALL**
- CSEdWeek Home | CSEdWeek
- Activity Resource Guides for Teaching Artificial Intelligence in K-12: AI4K12

REFLECT
Reflect on the following questions

- What new awareness, questions, or ideas do you have after reviewing the resources?
- What will you do during Computer Science Education Week and beyond?
- In what ways can we increase student participation in computer science education?
- In what ways can learning about AI help students see the relevance of computer science in today's world?
- How might AI shape the future of computer science education, and what implications does that have for what and how we teach today?