Computer Science PD Playlist

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

- State of Computer Science Education (Code.org, CSTA, ECEP)
- Teaching the Principles of Computer Science in K–12 Schools (EdTech Magazine)
- The Urgent Need to Expand Access to Computer Science Education (The Journal)
- The Two Codes Your Kids Need to Know (New York Times)
- CS helps students outperform in school, college, and workplace (Code.org)

WATCH
Watch one or more videos

- Why K-12 Computer Science Education? (1:45)
- Teaching Coding | Bringing Computer Science Education to All students (3:39)
- What is Artificial Intelligence? (5:13)
- Pathways into Tech Careers: Panel Discussion (38:54)
- Impactful Computing (keynote 13:20 – 55:05)

LISTEN
Listen to one or more recordings/podcasts

- The case for making computer science a part of every K-12 curriculum (17:33)
- How to Get Started with Computer Science Education (27:55)
- AI4K12 Guidelines and Getting Students Passionate about Computer Science (54:36)

EXPLORE
Explore additional resources used in the field

- Connecticut Computer Science Model Curriculum K-5
- Get involved in the Lt. Governor's Computing Challenge Computing Challenge (ltgovcc.org)
- Participate in the Hour of Code: Hour of Code | Code.org
- CS Unplugged Activities: Topics - CS Unplugged
- Inspire Students to Try Computer Science: Inspire students | Code.org
- 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?