



Standards And Meaningful Assessment For Computer Science

Overview

The best assessments are created with great intentionality and specific learning outcomes in mind, but if you are a busy classroom teacher it can feel impossible to find time to sit with computer science standards long enough to make a plan for assessing your students' newly acquired skills and knowledge. This session prepares you to make the most out of every question while employing various assessment approaches.

You will explore the purposes of assessment, as well as learn best practices for designing and implementing assessments with students. The session culminates in you articulating your personal assessment philosophy, which will include your action plan for a more meaningful assessment practice in your classroom.

Learning Outcomes

This 3-hour virtual professional development session is designed to support teachers as they

- Use frequent and varied assessment methods to support students' learning.
- Unpack computer science standards to articulate and strengthen meaningful classroom lessons and assessments.

Outline

- Make introductions and set expectations for the session
- Deep-dive into CSTA computer science standards
- Reflect on effectiveness of current assessment practices and analyze examples of standards-aligned assessments for learning
- Create effective multiple-choice questions to catch and correct student misconceptions in coding
- Implement iterative design principles in lessons to empower students' growth mindset

What To Expect from Our Virtual PD

Each virtual PD session gives teachers the best of both worlds: the active and collaborative learning of traditional face-to-face sessions, with the convenience afforded by online offerings. A variety of formats and strategies engage participants in making the learning their own. For example, participants may share their thoughts and ideas in interactive polls, chats, or collaborative digital tools. Working in small groups or the 'alone zone', participants construct meaning from their shared experiences. Most importantly, they will always have time to consider – and even plan for – how they will take what they have learned back to their classroom.