

CS Principles Update (Baker) - [\[Essentially the same presentation\]](#)

- Test will be run in 16-17
- The purpose of Code.org - to get at least one computer science course in every school
- CS Principles A was created because of...
 - diversity issues
 - AP CS A is not a good initial course for high school students in CS
- CS Principles is a framework for a course (based on Understanding by Design)
- Not about programming
- “Programming is the ultimate expression of computational thought”
- “Regular exam”
 - All multiple choice the first year?
- Two Performance Tasks
 - Teachers are not to help students with the tasks!
 - Programming Part with a partner - submit picture of program and a video explaining the algorithms
 - Investigate - go in depth in a modern innovation - global impact
- Students with poor reading/writing may have trouble
- Equivalent to CS0 (at colleges)
- Shouldn't think of AP CS Principles as a prereq for AP CS A
- Course is language agnostic
- “A good lesson touches at least one learning objective from each of the 7 Big Ideas”
 - Don't create units around an individual “Big Idea”
 - When are you done with Creativity?
- Code.org is creating a curriculum that meets the CS Principles Framework
 - [The Code.org CS Principles Curriculum Overview](#)
 - Code.org is creating individual lessons for CS Principles (100+)
 - Widgets are coming from Code.org! - fun puzzles with progress monitoring
 - 8 videos (involving more celebrities!)
 - Professional Development
 - Beta roll out of curriculum is coming out over this year
 - Full roll out of curriculum by June 1st, 2015
 - Unit 1 - Sending Bits
 - [Batch 1 Overview](#)
 - [Lesson 5 - Sending Bits](#)
 - [Lesson 6 - Sending Images](#)
- [Pencil Code](#) - check it out! Very cool environment (similar to Scratch)
 - allows you to switch between blocks and typing in code
 - can integrate GUI elements (radio buttons, etc)
 - creates a real website!