

CS10: The Beauty and Joy of Computing

> Lecture #10 Social Implications of Computing



is posted

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CS10 CHOSEN AS UC ONLINE PILOT!

CS10 has been chosen as one of 30 courses (all across 10 UC campuses) to receive Pilot funding for online instruction! We'll have 1080p time-indexed videos, "instructor does the class" videos, and mini-quizzes througout. Read BYOB project tips!



onlineeducation.universityofcalifornia.edu



You have a few chapters of reading during these weeks, don't wait.



Your project partners may be in different sections, try to attend "Project Work" labs together



- META: This course is NOT just about programming!
 - Lecs + Reading: Big ideas
 - Labs: Programming
 - Disc: Distillation
- META: plug CS195 Social **Implications of Computers**
- Computers in Education
 - Most important use?
 - Judah Schwartz' continuum
 - RSA Animate "Changing **Education Paradigms**"
 - UC Online Pilot

Answer





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Peer Instruction (thanks to BH)

The most important use of computers in education so far...

- a) Web search
- b) Arithmetic drill programs
- c) Word processing
- d) iclicker-like technologies
- e) Social networking



changed what counts as knowledge in schools. Openended questions were the norm 30 years ago. The kind of knowledge you can report on multiple-choice tests is unimportant in the big scheme of things, and what's really important is not what you already know, but how you can take what you already know and apply it something you've never seen before. Multiple choice tests make that hard. Teaching follows tests! The folks who invented Standardized Testina didn't foresee how it would affect what knowledge means! (unintended

consequence)" - Brian Harvey

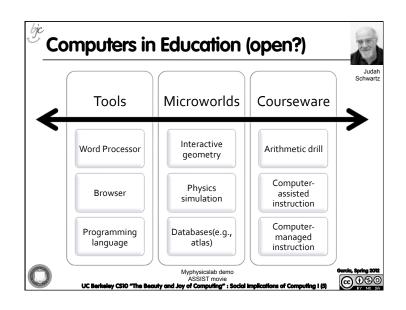
"Multiple choice tests have

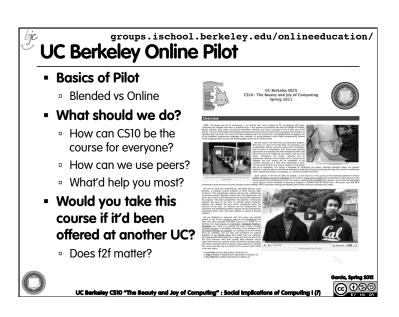


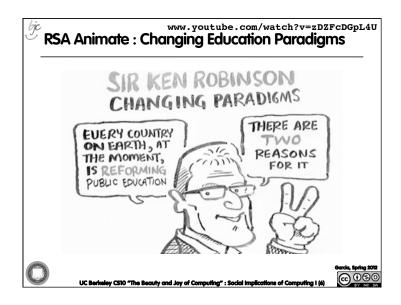
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The <u>most effective</u> thing for your learning, if you were taking CS10 online (remotely)...

- a) "Test yourself" mini-quizzes
- b) Mini-programming challenges
- c) Tree-structure interface to lectures
- d) 1080p High-Definition archived lectures
- e) "Instructor takes the class" videos of us doing labs, HW, exams



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