


The Beauty and Joy of Computing

Lecture #12 Social Implications of Computing I




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BERKELEY CENTRAL PART OF EDX!


Online education now has a player in the open access / free education space, it's called edX, and UC Berkeley was the first west coast school to become involved with the initiative. Several UC Berkeley classes are now available!

www.edx.org/university_profile/BerkeleyX




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


[Read project tips!](#)




Overview

- 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

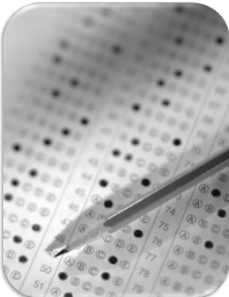








Answer


- "Multiple choice tests have changed what counts as knowledge in schools. Open-ended 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 Testing didn't foresee how it would affect what knowledge means! (unintended consequence)"
- Brian Harvey









Computers in Education (open?)



Tools	Microworlds	Courseware
Word Processor	Interactive geometry	Arithmetic drill
Browser	Physics simulation	Computer-assisted instruction
Programming language	Databases(e.g., atlas)	Computer-managed instruction


Myphysiclab demo
ASSIST movie







www.youtube.com/watch?v=zDZFcdGpL4U

RSA Animate : Changing Education Paradigms







groups.ischool.berkeley.edu/onlineeducation/

UC Berkeley Online Pilot

- Basics of Pilot**
 - Blended vs Online
- What should we do?**
 - How can CS10 be the course for everyone?
 - How can we use peers?
 - What'd help you most?
- Would you take this course if it'd been offered at another UC?**
 - Does f2f matter?

