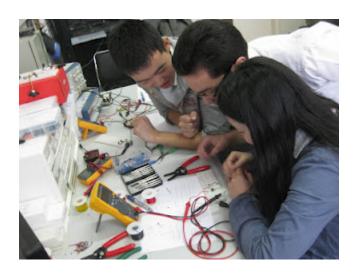
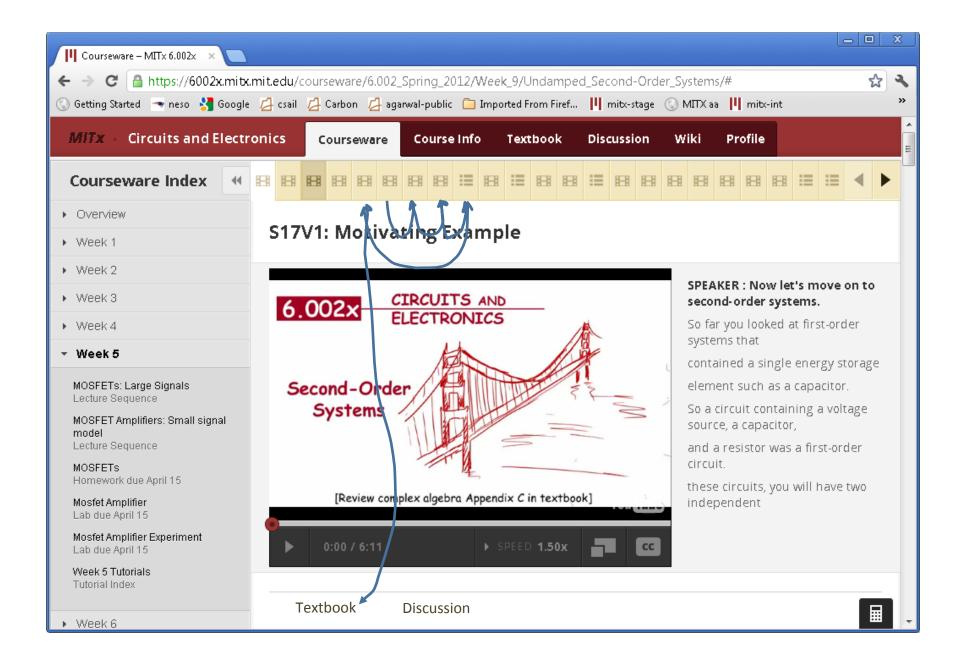
6002x.blogspot.com – the new classroom





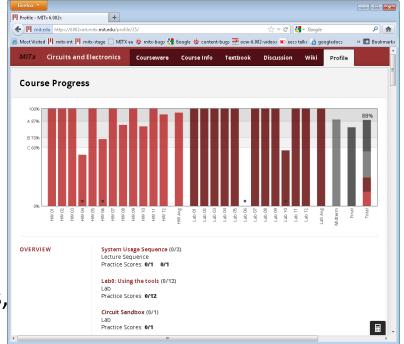
Mhere is this?





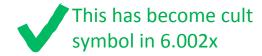
Some Stats

- On campus beta-tester class
 - 20 volunteer students
 - 19 completed final exam; 1 dropped class
- Worldwide class
 - 120K+ enrolled
 - Top four countries represented USA, India, UK, ????
 - ~20K took first set of tests
 - ~10K completed midterm
 - many do not care about taking tests, too hard, need more time



What we learned/Surprises

- Discussion forum scales, and is huge learning tool
 - Learning by teaching
 - Forming communities
 - Students want to continue in the same community (students want 6.004x next, which is natural follow-on to 6.002x)
 - Students value education highly and extraordinarily grateful
- Researchers conducting education experiments on edX
 - Handwritten slides voted above powerpoint slides
- Being able to point to objects in slides is very useful
- Immediate feedback in assessments is good
 - Students keep trying problems till they get them right



- Book publisher wants to give us more free online textbooks for future courses
- How to manage TAs for online courses
- Most MIT students watch lectures at 1.5X speed, and read transcription

What does it take to do an online class

Staffing

- 2 instructors 1 for video lectures and 1 for exercises/labs
- 4 TAs solutions, discussion forum, problem solving tutorials
- Start at least 1 month before online launch of course ideally 3 months before
- Video
 - Can start with existing powerpoint or blackboard notes
 - About 4 hours of video a week (lecture+recitation content)
 - Takes about 5 hours per hour of video
 - Get rid of any copyrighted material (hand-draw, take own pictures)

Exercises/Problems/Exams

- Congruence between making problems easy to grade and making problems for automatic grading
- Break long multi-step problems into smaller chunks remember, there is no partial credit in automatic grading
- Having existing problems in electronic form (text+figures) helps

On the lighter side...

