

The Developing World of MOOCs

Anant Agarwal edX.org



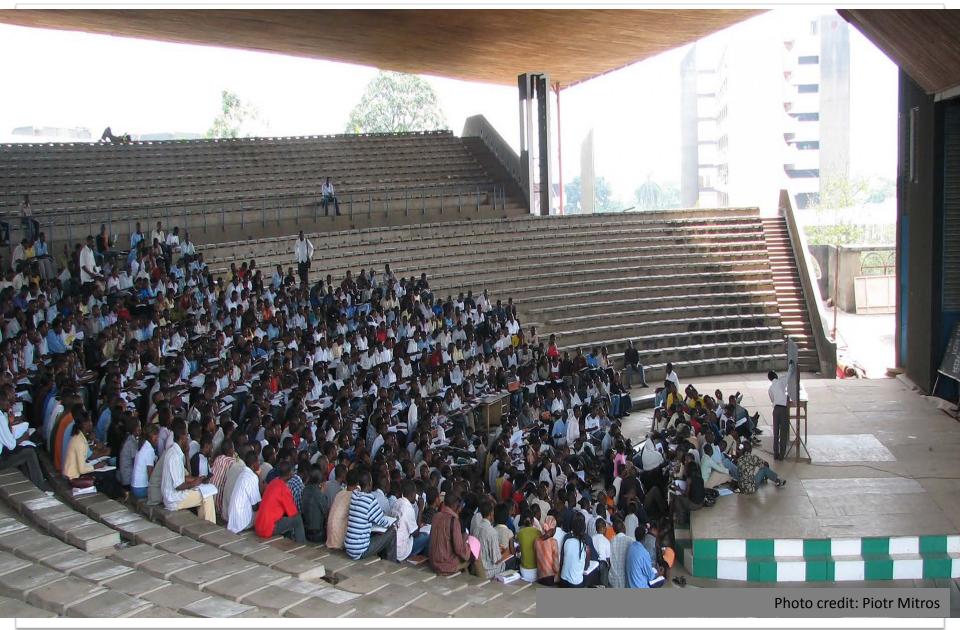






Courtesy Eric Klopfer





A Non-Profit Venture ~1M Learners from 192 Countries



- Increase access to learning worldwide
- Improve on-campus education
- Open source platform
- Learning pedagogy research



an Daily Press

312 172

EDX COURSES

HARVARD

UNIVERSITY

Our courses are designed to be interesting, fun and rigorous. They are the best courses. from the best professors, and the best schools and span a variety of subjects, from science and technology to the

THE UNIVERSITY

TERAS SYSTEM

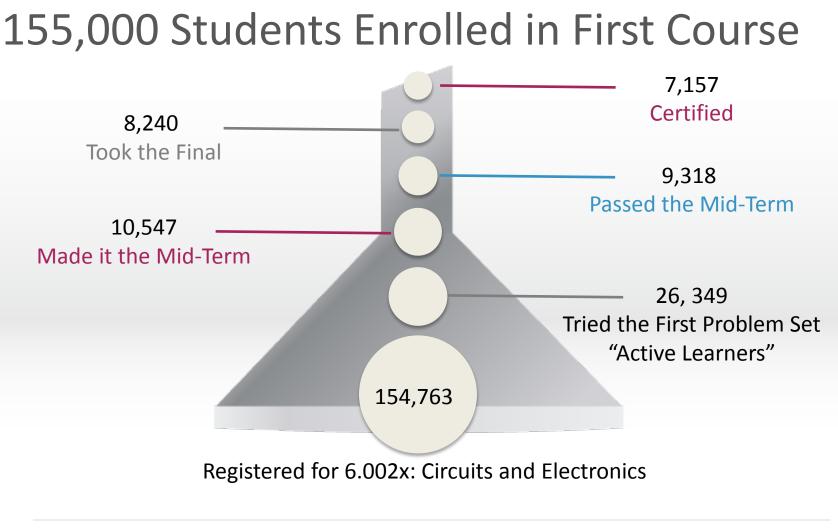
NEWS & ANNOUNCEMENTS

Berkeley

Stay informed about the latest stories being shared around the world

*MIT and Harvard have committed \$60M to the venture



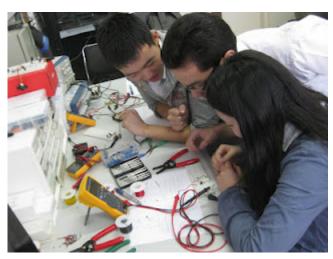


Same staff resources as 150 person on-campus class



The New Classroom





Where is this?



Blended Learning Pilot

San Jose State University

FALL 2012 COMPARED TO SPRING 2012

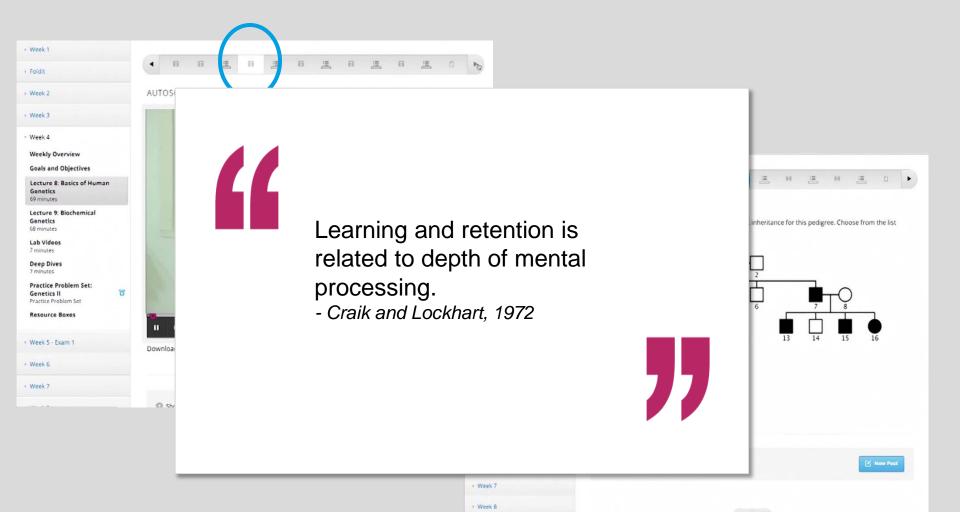
COURSE retake rates dropped from **41% to 9%**

Source: San Jose State University Davidson College of Engineering



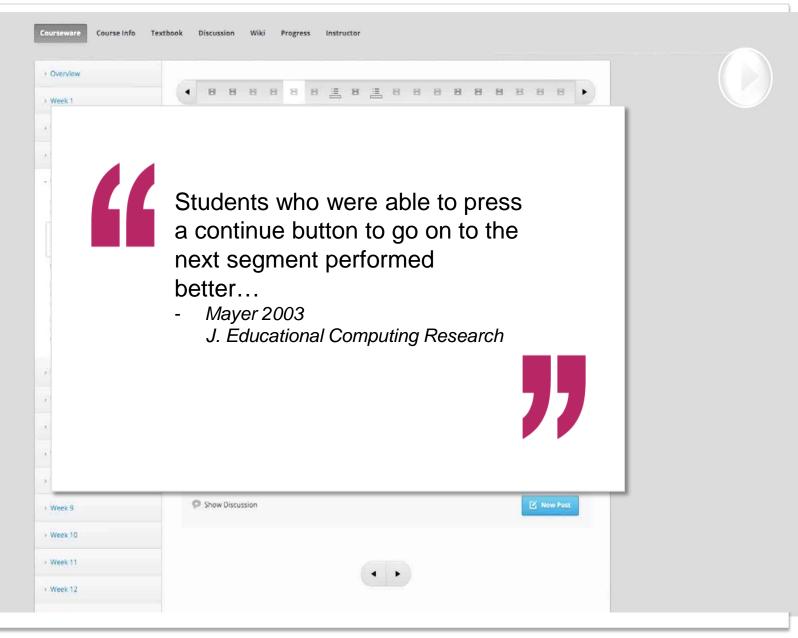
Blended Learning Pilots throughout the World



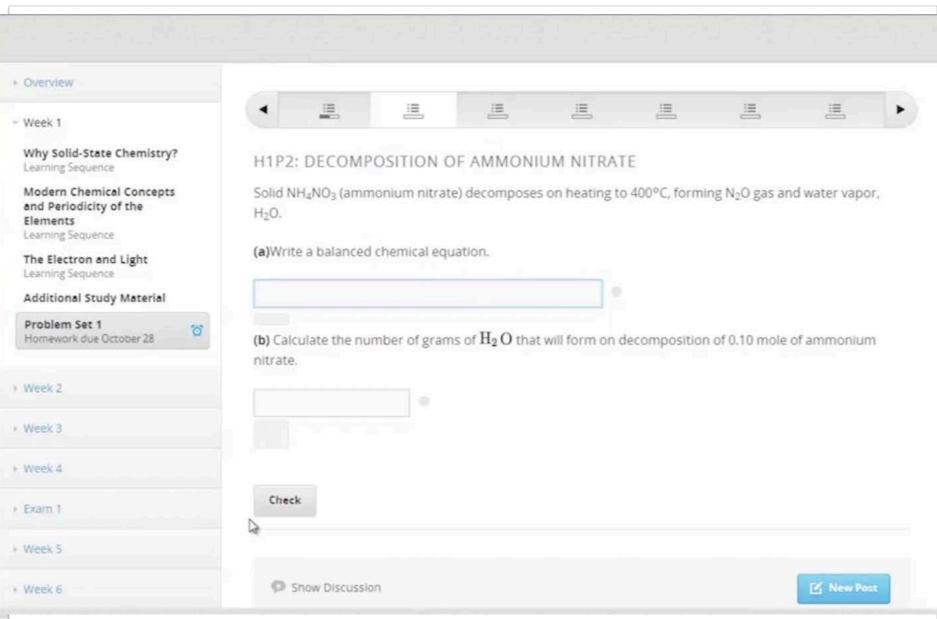


> Overview																				
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+ Week 8																				
+ Week 9	9	Show	Discu	ssion														E to	w Post	
v Werk 10																				
+ Week 11																				











• Overview

Week 1

Why Solid-State Chemistry? Learning Sequence

Modern Chemical Concepts and Periodicity of the Elements Learning Sequence

The Electron and Light Learning Sequence

Additional Study Material

Problem Set 1 Homework due October 28

+ Week 2

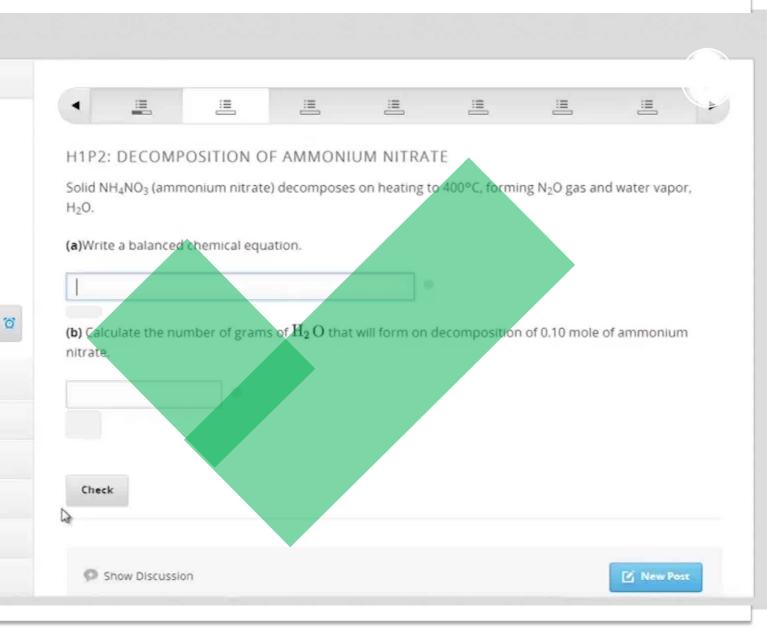
Week 3

F Week 4

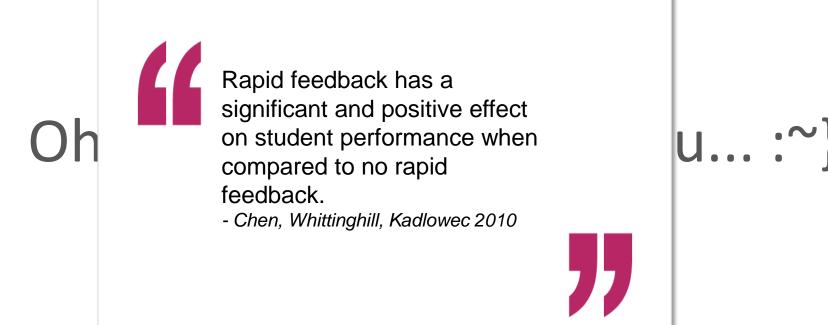
+ Exam 1

+ Week 5

+ Week 6







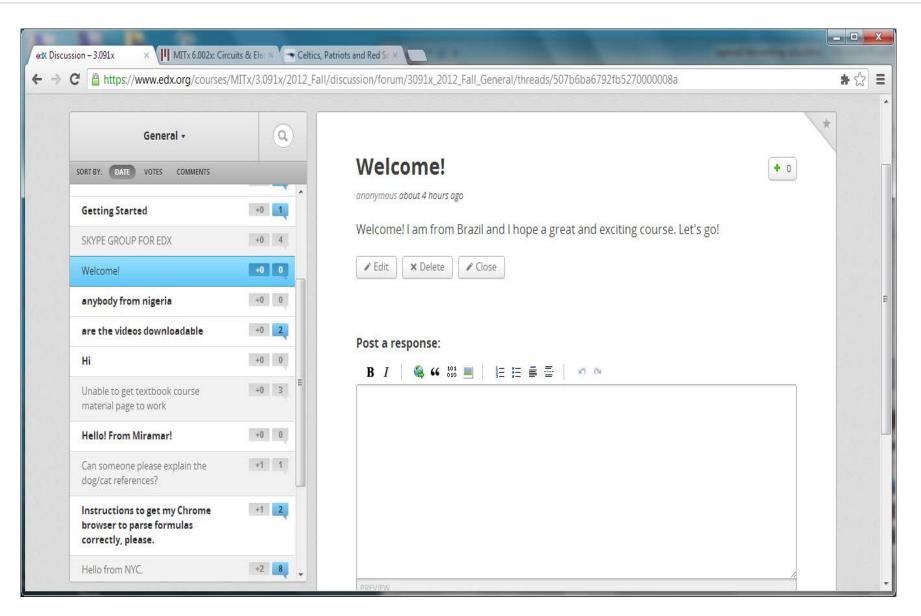


Virtual Game-Like Laboratory



Overview Welcome to 6.002x Lecture Sequence edX Tutorial Lecture Sequence Using the Tools	CIRCUIT SANDBOX Here's a sandbox where you can experiment with all the components we'll discuss in 6.002x. If you clic ter time.	*
Lao Circuit Sandbox Lao Waek 1 Waek 2 Waek 3	Tell me and I forget. Teach me and I remember. Engage me and I learn. - Benjamin Franklin	
 Week 5. Week 5. Week 7. 		A.
 Week 8 Midterm Exam Week 9 	¥	





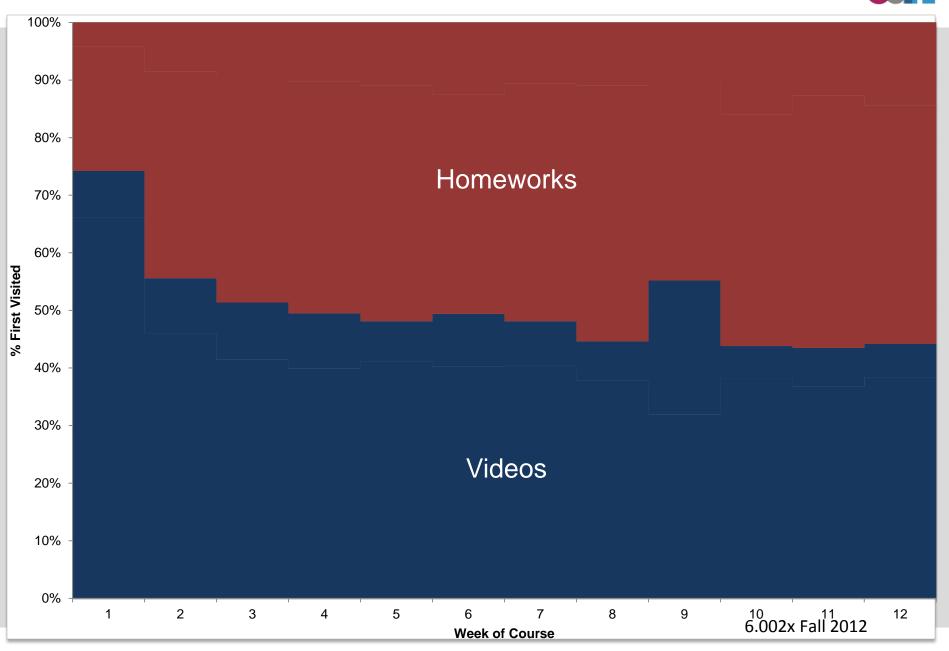
Feedback from Our Campus Students

edX

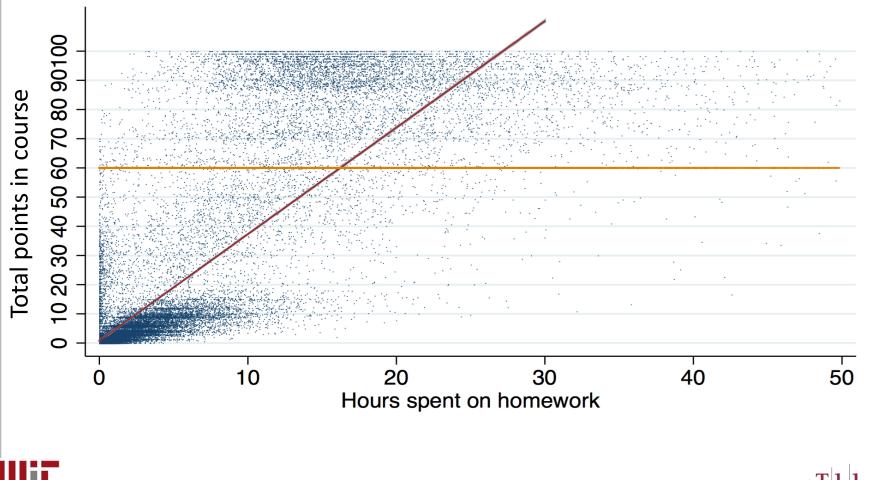
Campus Students Identified Three Key Components of the Online Course that they Particularly Liked

Ability to stop and pause video lectures Immediate feedback on homework Immediate Response from External Discussion Forum

What do Students Visit First?



Hours spent on homework in relation exits to total points in course



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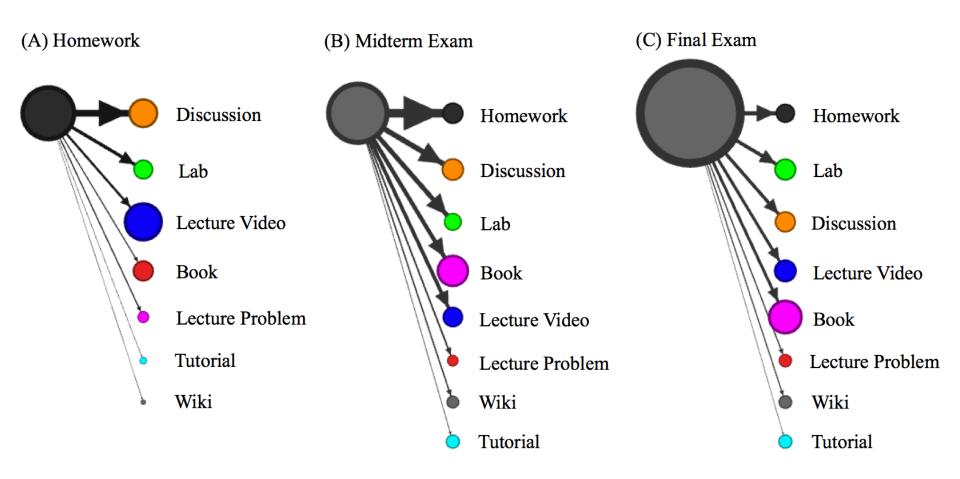
FLL Teaching & Learning Laboratory

Research with Learning Big Data



What Resources are Learners Accessing

Resource area ~ time spent



Learner Activity Profile – Deadlines Work!

