

# Learning Technologies and Global Education Ecosystem



**Paul Kim**

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# **Quiz on Stanford University**



Who gave **Larry Page** and **Sergey Brin**, two Stanford University students, **\$100,000** check to start Google company in 1998?



**Andy Bechtolsheim**, a former Stanford University student who co-founded **SUN Microsystems** with another Stanford student, Scott McNealy.

What does **SUN** stands for in the company name **SUN Microsystems**?



# Stanford University Network



# YAHOO!

What is Yahoo's original URL when

**Jerry Yang** and **David Filo** were fiddling with their computers at Stanford University as students in 1994?

# akebono.stanford.edu/yahoo

Akebono is the name of a famous Hawaiian sumo player

Yet **A**nother **H**ierarchical **O**fficous **O**racle (Yahoo)



Bill Hewlett and Dave Packard graduated in electrical engineering from Stanford University. What company did they establish?



A big proponent of Internet Television who completed his master's degree in CS at Stanford founded what company?

Reed Hastings

The Netflix logo consists of the word "NETFLIX" in a bold, white, sans-serif font. The letters are set against a solid red rectangular background. Each letter has a subtle 3D effect, with a dark shadow cast to the right and slightly downwards, giving the text a sense of depth.

**NETFLIX**

- **Technology has been the major driver of economic development world-wide.**

- **A new sector is riding on the technology sector growth.**



## Summary of Education Sectors

Knowledge	Market Size (2012)	Market Size (2015)	2012-17 Growth (CAGR)	Market Size (2017)
<b>Global Market Size</b>				
Global Education Expenditure	\$4,450.9 B	\$5,508.7 B	7%	\$6,372.5 B
K-12	\$2,227.0 B	\$2,625.6 B	6%	\$2,930.3 B
Postsecondary	\$1,495.2 B	\$1,883.5 B	8%	\$2,196.9 B
Corporate & Govt. Learning	\$356.6 B	\$449.3 B	8%	\$524.0 B
eLearning	\$90.9 B	\$166.5 B	23%	\$255.5 B
K-12 eLearning	\$16.6 B	\$39.0 B	33%	\$69.0 B
Higher Ed eLearning	\$48.8 B	\$95.4 B	25%	\$149.0 B
Corporate eLearning	\$25.5 B	\$32.1 B	8%	\$37.5 B
For-Profit Postsecondary	\$96.1 B	\$146.1 B	15%	\$193.2 B
Social Learning/Communities	\$1.0 B	\$2.9 B	40%	\$5.6 B
Child Care	\$200.0 B	\$266.2 B	10%	\$322.1 B
Edu Gaming	\$2.0 B	\$4.4 B	30%	\$7.4 B
Global Language Learning	\$115.0 B	\$198.7 B	20%	\$286.2 B
Global English Language Learning	\$63.3 B	\$123.6 B	25%	\$193.2 B
Test Preparation/Tutoring Market/Counseling	\$54.0 B	\$78.2 B	13%	\$100.0 B
For-Profit	\$590.9 B	\$952.2 B	17%	\$1,311.0 B
<b>United States Market Size</b>				
US Education Expenditure	\$1,432.1 B	\$1,651.3 B	5%	\$1,805.5 B
Government Spending on Education	\$941.0 B	\$1,085.4 B	5%	\$1,184.5 B
K-12	\$687.6 B	\$788.7 B	4%	\$853.1 B
Postsecondary	\$535.2 B	\$622.1 B	5%	\$688.5 B
International Students	\$18.2 B	\$20.5 B	6%	\$24.1 B
Executive MBA	\$18.9 B	\$19.8 B	2%	\$20.4 B
Corporate & Govt. Learning	\$133.3 B	\$149.9 B	4%	\$162.2 B
eLearning	\$32.5 B	\$49.1 B	15%	\$65.6 B
K-12 eLearning	\$5.4 B	\$9.3 B	20%	\$13.4 B
Higher Ed eLearning	\$17.4 B	\$28.6 B	18%	\$39.8 B
Corporate eLearning	\$9.6 B	\$11.2 B	5%	\$12.3 B
For-Profit Postsecondary	\$30.8 B	\$40.9 B	10%	\$49.5 B
Child Care	\$65.0 B	\$77.4 B	6%	\$87.0 B
Test Preparation/Tutoring Market/Counseling	\$11.0 B	\$13.1 B	6%	\$14.7 B
Instructional Materials Market (K-12)	\$20.1 B	\$23.9 B	6%	\$26.9 B
Higher Education Instruction Materials	\$4.8 B	\$5.7 B	6%	\$6.3 B

**\$4.5 Trillion in 2012**  
**\$6.3 Trillion in 2017**

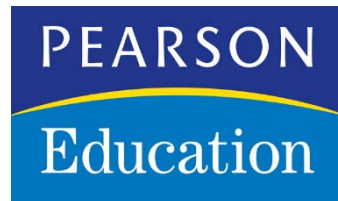
Learning Management Systems



Student Information Systems



Content



# YTD 2013 – 1B invested in Education Ventures

coursera

U  
UDACITY

schoolology®  
learn. together.



open english

edmodo

educreations

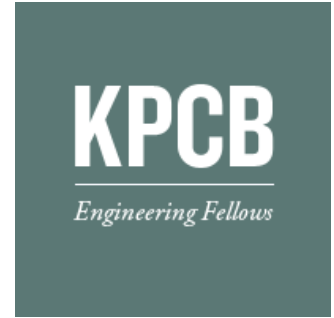


Chegg®

ACCEL®  
PARTNERS



sequoia capital



ANDREESSEN  
HOROWITZ





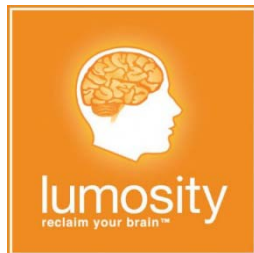
**Series D – 26M**



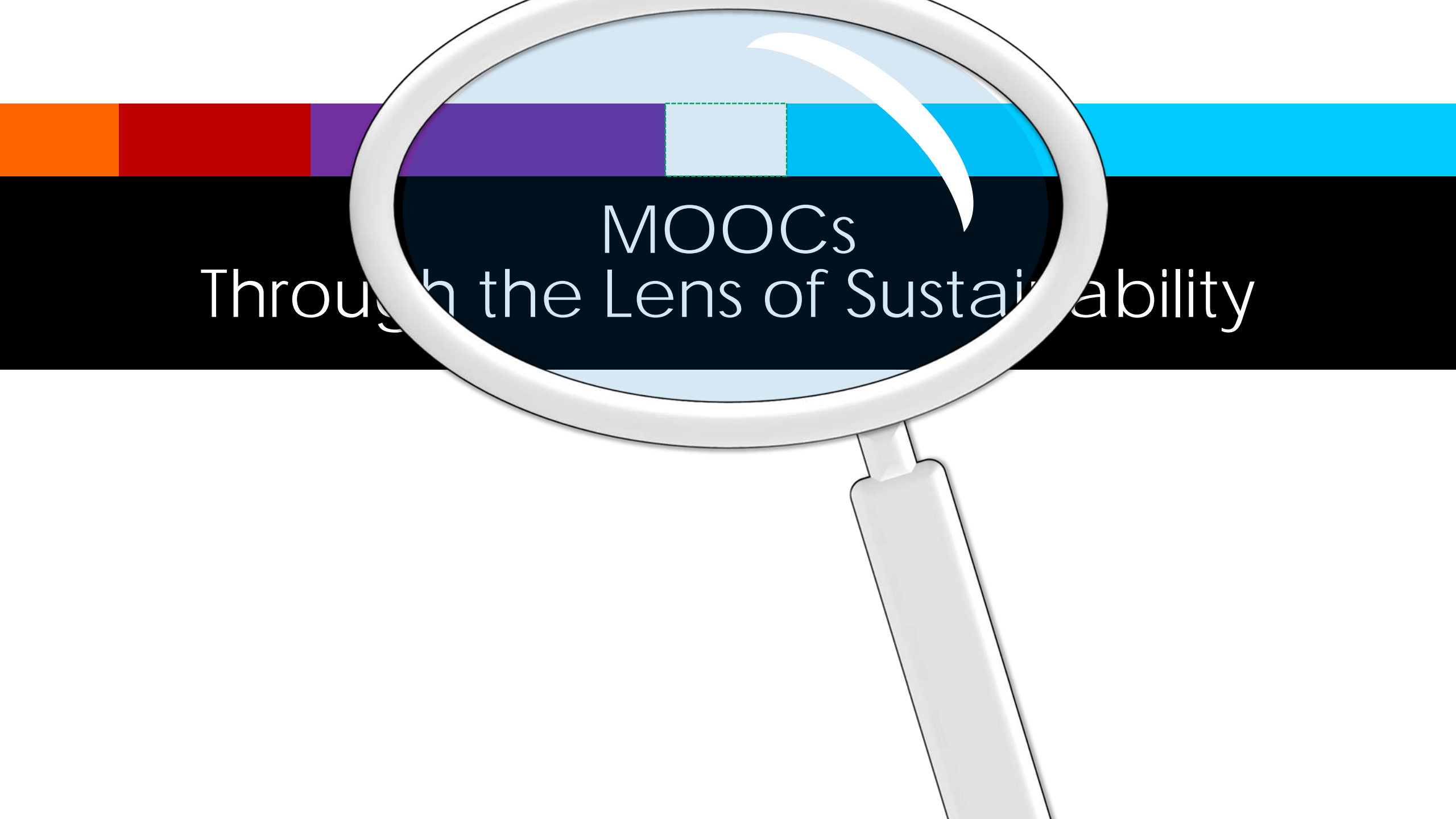
**Series D – 30M**



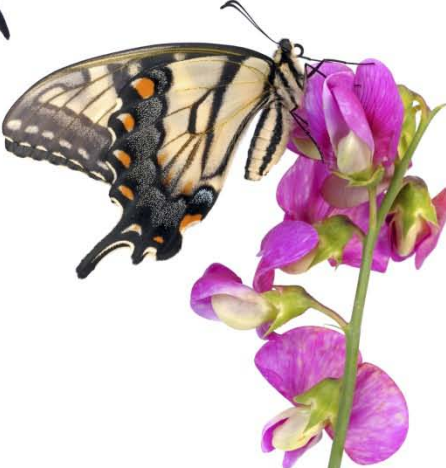
**Series D – 65M**



**Series D – 32M**



MOOCs  
Through the Lens of Sustainability





**STAMP OF**

**APPROVAL**

WWIU v5.0 Main Menu

Message Center	Miscellaneous	E-Mail
N> New Msgs, All Subs	A> Auto-Message	E> E-mail User
P> Post a Message	B> BBS List	M> Read E-mail
R> Remove a message	C> Chat with Sysop	F> Send Feedback
S> Scan Current Msg Base	I> System Information	K> Kill Sent E-mail
Z> Scan All Subs Non-Stop	L> Last Caller List	
#> Enter Number of Sub	O> Log Off	System Features
J> Join Conference	U or ~> User List	D> Change Your Defaults
*> List Subs Available	U> Voting Booth	G> Read General Files
> , ] or +> Advance 1 Sub	X> Toggle Xpert Mode	T> Transfer Section
< , [ or -> Retreat 1 Sub	Y> Your Information	.> On-Line Programs
>> Advance 1 Conference	CTRL Y> Toggle Pause	\$> Use Time Bank
<< Retreat 1 Conference		
H> Hop to Another Sub		
W> WWIU Slash Menu		Ctrl T> Time left On-Line

Time Left: 253 minutes  
Conference: ACnet  
[3] [ACne General Discussion]



No videos over slow modems  
UOP 1987

Google



You Tube™

WIKIPEDIA  
The Free Encyclopedia

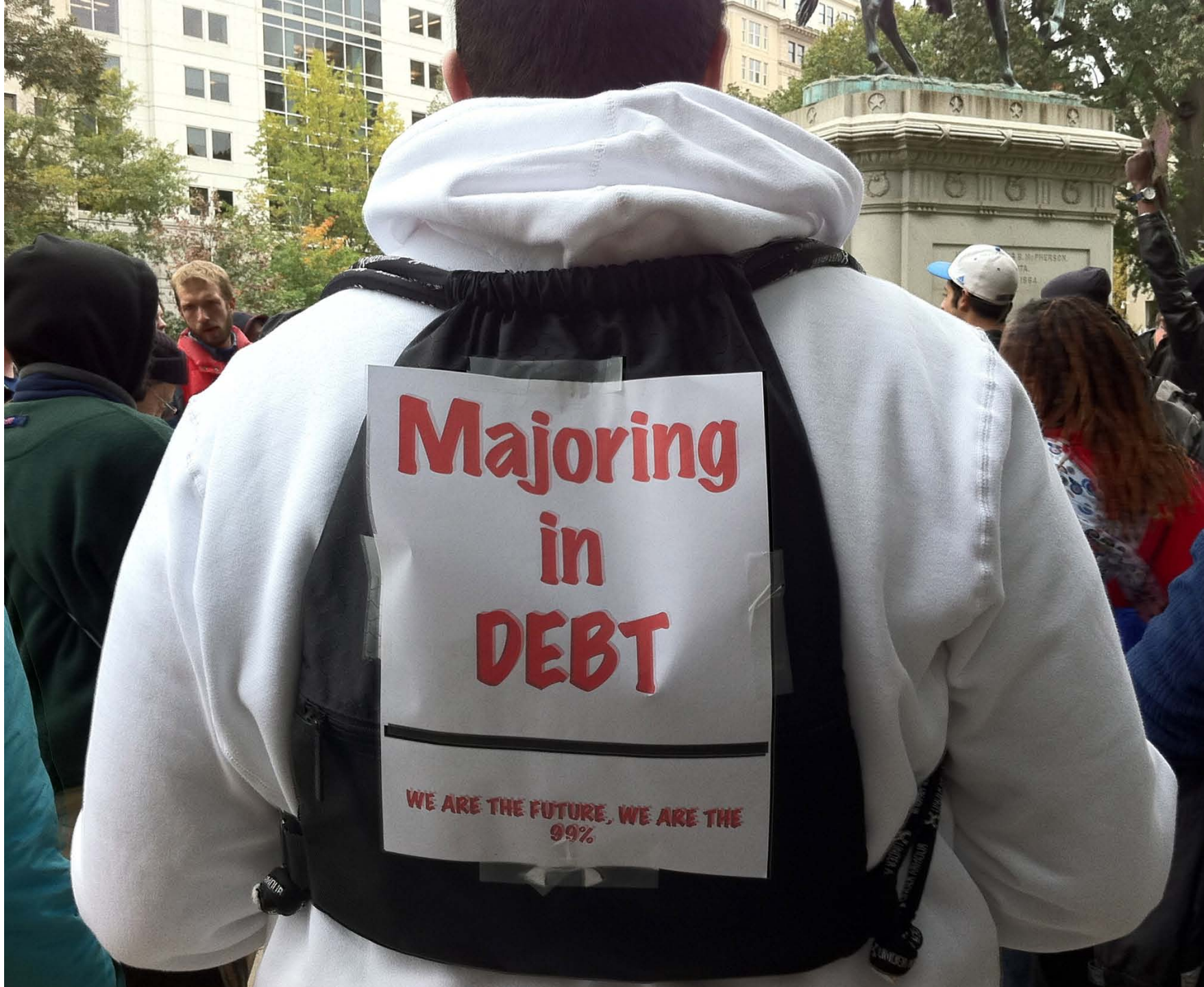






**Majoring  
in  
DEBT**

**WE ARE THE FUTURE, WE ARE THE  
99%**





## NCU...

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### Affordable

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#### NEWS

##### Excellence Spotlight

- [Dr. Barnaby Barratt Appointed as Provost](#)
- [Dr. Larry Flegle to present at DLA Conference](#)
- [2009 Graduation Schedule, Events Announced](#)
- [New Owners Visit NCU](#)
- [NCU Holdings, LLC](#)

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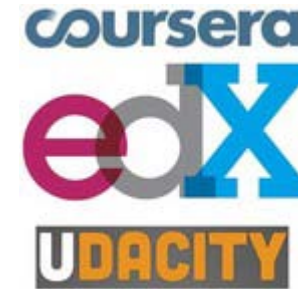
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**Where are all the traditional university features?**



Access and learn curated free contents from well-known universities

Supposedly anyone can access and learn from the best teachers?



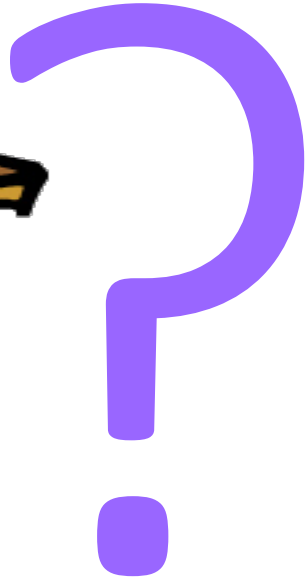
[http://sylviamoessinger.files.wordpress.com/2013/05/mooc\\_7.png](http://sylviamoessinger.files.wordpress.com/2013/05/mooc_7.png)  
<https://edutechdebate.org/massive-open-online-courses/3-ways-moocs-unleash-the-power-of-massive-international-attendance/>  
<http://www.mindingthecampus.com/originals/2013/06/whos-afraid-of-the-big-bad-moo.html>

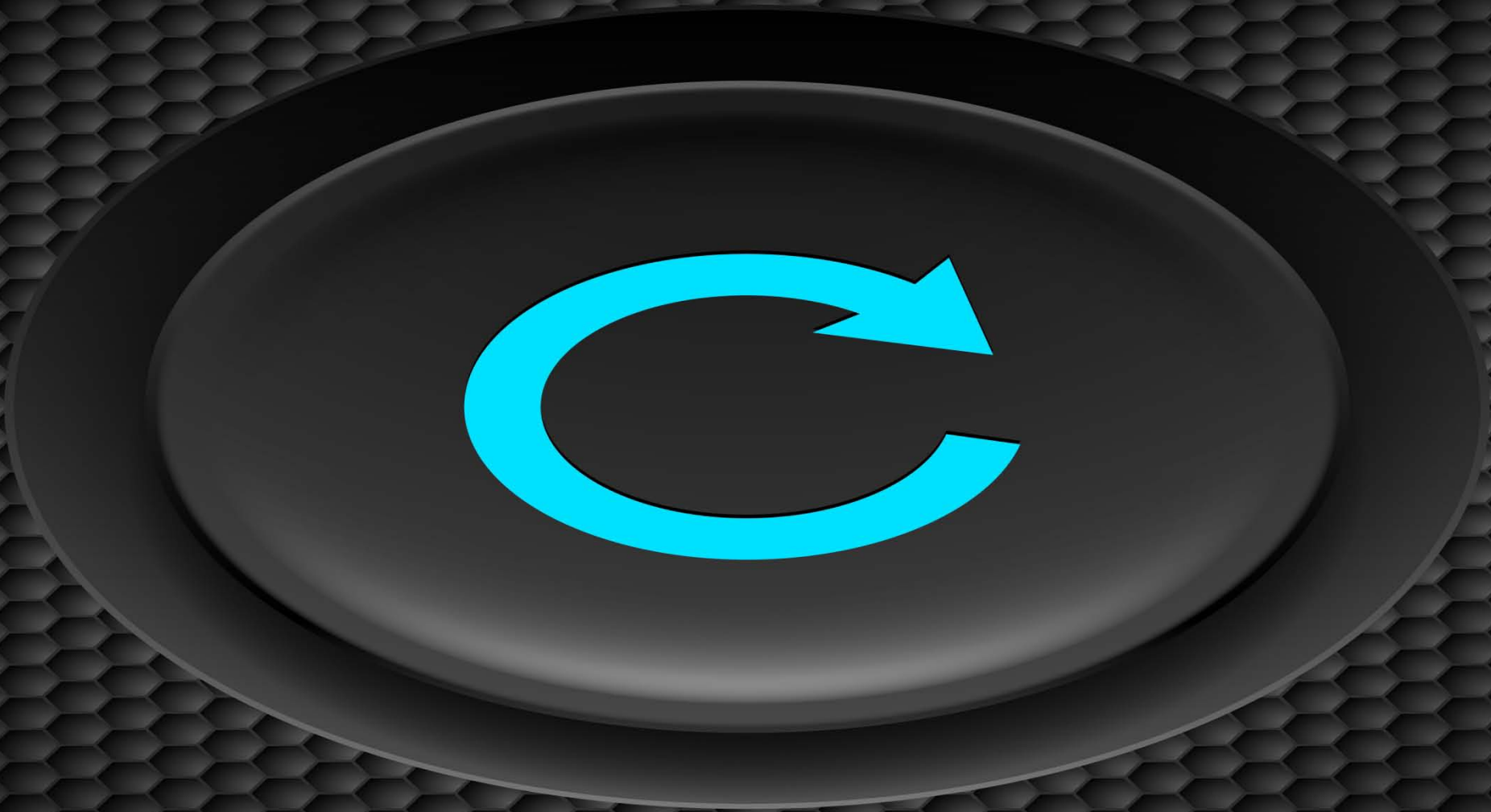
Did anyone ask if we need MOOCs





Champion the cause  
or over-MOOCed

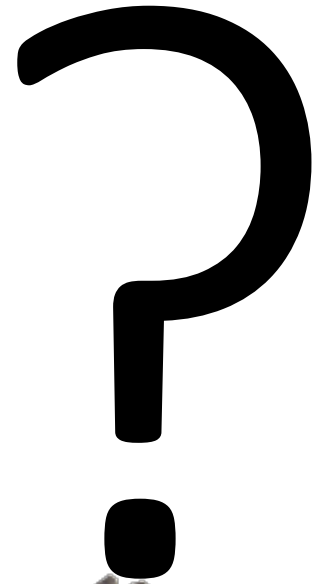








join the **M.O.O.C.** rush  
or **blind** leading the **blind**

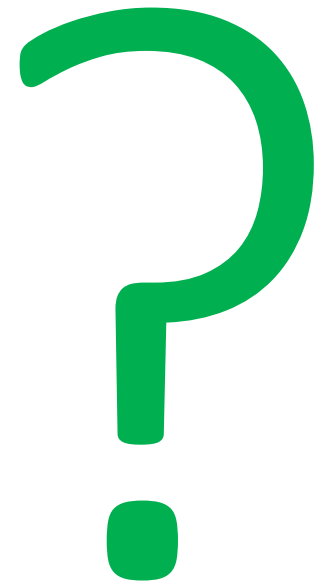






MOOC or not MOOC

Is it still a MOOC if it's NOT open



**YES**

**NO**

# **BOOKS v.s. MOOCS**

June 12, 2013

# AAUP Sees MOOCs as Spawning New Threats to Professors' Intellectual Property

*By Peter Schmidt*

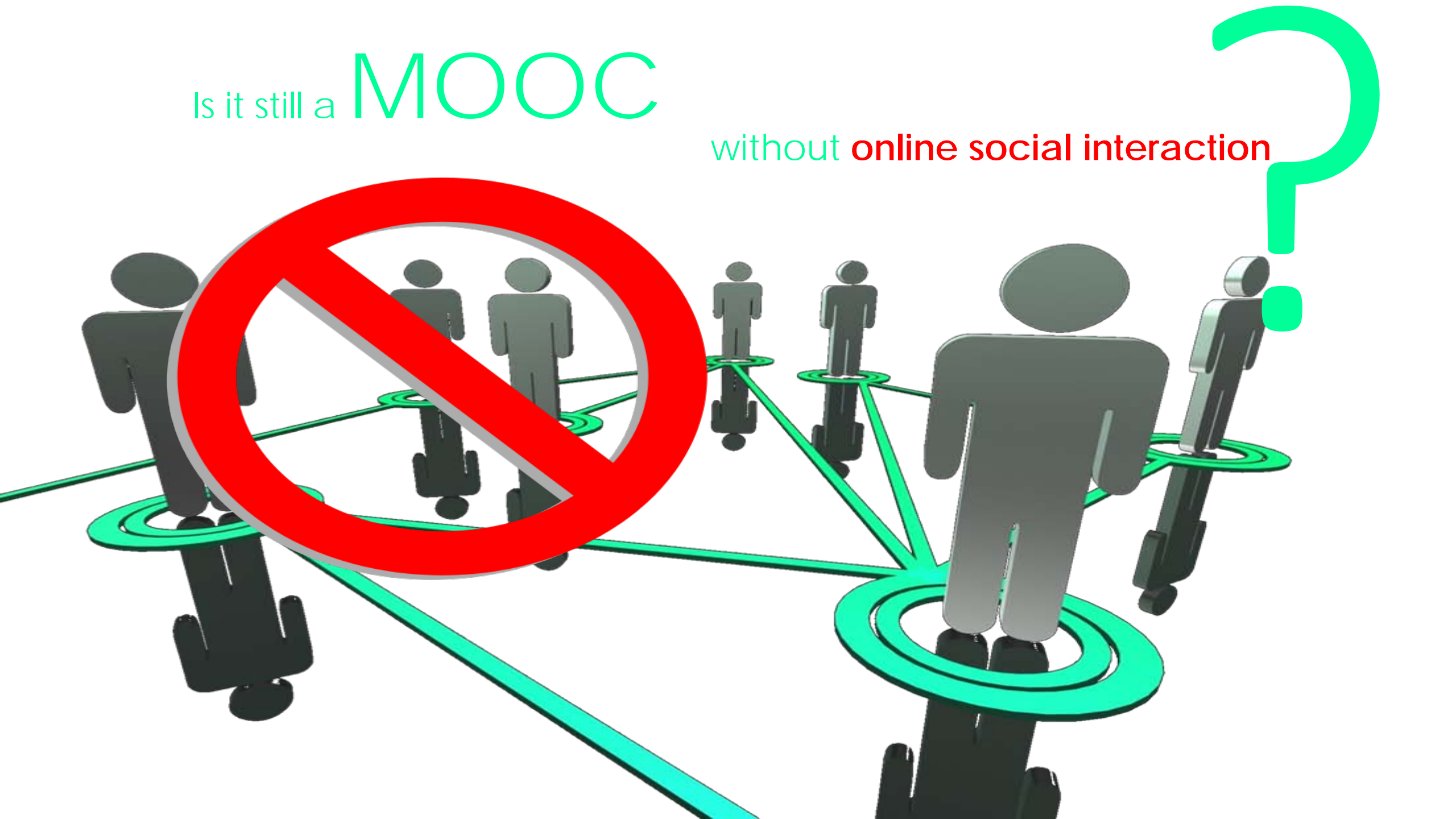
Washington

Colleges broadly threaten faculty members' copyrights and academic freedom in claiming ownership of the [massive open online courses](#) their instructors have developed, Cary Nelson, a former president of the American Association of University Professors, argued here on Wednesday at the group's annual conference.

In the meeting's opening address, Mr. Nelson characterized the debate at colleges over who owns the rights to faculty members' MOOCs as part of a broader battle over intellectual property that's being waged on America's

Is it still a MOOC

without **online social interaction**



online course

online course

online course

online course

online course

online course

MOOC

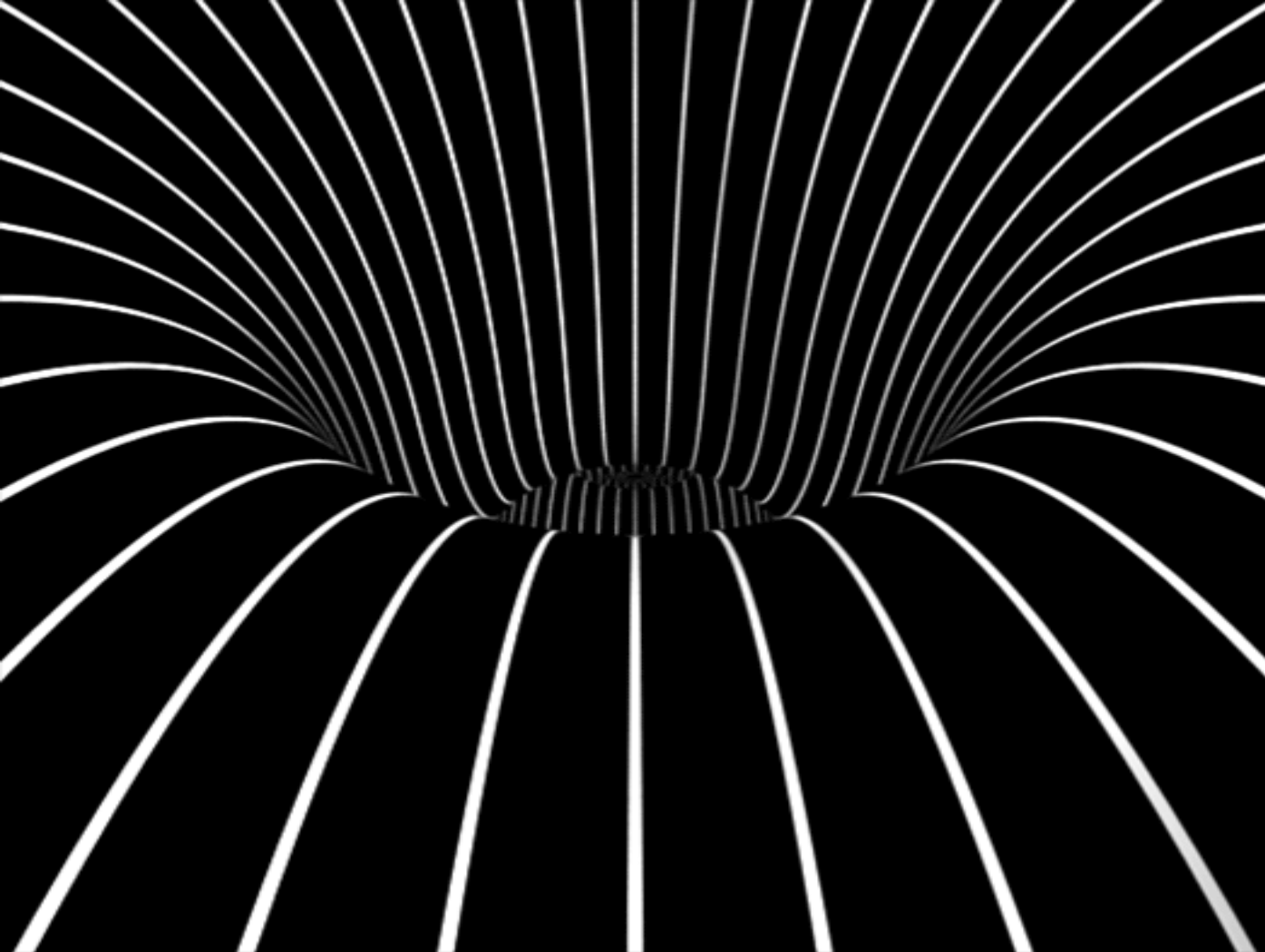
**IT'S A FAKE!**





MOOCs

**End of Story**  
Just Ahead



MOOCs  
will continue to

evolve

# Technology

Video capturing and content mashup

Activity analysis algorithms

Cloud service replication

Social networking-based activities

Engagement engineering

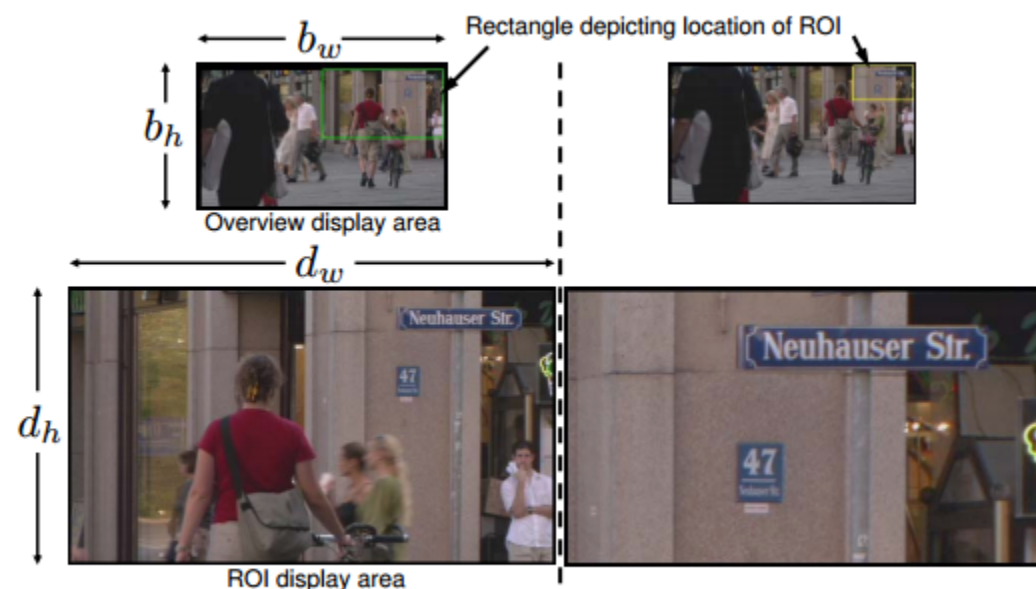


Figure 1: User interface: The display screen consists of the overview display area and the ROI display area. The effect of changing the zoom factor can be seen by comparing left and right hand sides of the figure.

OPTIMAL SLICE SIZE FOR STREAMING REGIONS OF HIGH RESOLUTION  
VIDEO WITH VIRTUAL PAN/TILT/ZOOM FUNCTIONALITY  
Aditya Mavlankar, Pierpaolo Baccichet, David Varodayan, and Bernd Girod  
Max Planck Center for Visual Computing and Communication  
Stanford University, Stanford, CA 94305, USA

# Trends

**Curated contents**

**Marketplace**

**Self-empowered edu-preneurship**

**The network is the educator**



# A Search Engine for Learning

Discover and teach with the best free K-12 learning resources.

What will you discover today?

Search

You may filter by (optional)

Grade Level



Standard (e.g. CCSS.M.8.F.A.3)

Teachers' Picks

How to Use Gooru

Gooru in the Classroom

Take a Tour

**Areas that need some drastic evolution now:**

**Passive -> Active**

**Individual -> Network**

ART HISTORY 400-1300 MEDIEVAL ERA

A Beginner's Guide to the Medieval Period

- Introduction
- Medieval and Byzantine Art**
- A New Pictorial Language: The Image in Early Medieval Art
- Iconoclasm
- Medieval Manuscripts
- The Bestiary
- Beginner's Guide to Medieval Art

# Medieval and Byzantine Art

A video from the Utah System of Higher Education (with special thanks to Dr. Nancy Ross). Video by Ydraw.



Watch videos

0:46 / 5:08

CC Settings

Options ▾ Share ▾ Info 110 of 750

## Applied Cryptography

CLASSROOM



Problem Set 1 ▾

# CS 387

## Homework 1

- Regular homework questions  
multiple choice, enter number or string  
programming → not submitting code
- Open discussion problems  
design, analyzing

[Watch videos](#)

Introduction

[Previous](#)[Next](#)

## Discussions

[See All](#)

## Instructor Notes

Encryption

Jun 27

No additional notes for this section



# ZAPTION

## Making Video Interactive

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Create interactive video experiences that **ENGAGE LEARNERS**



September 3, 2013

## A Star MOOC Professor Defects—at Least for Now



Princeton University

Mitchell Duneier, a sociologist at Princeton, loved teaching a MOOC introductory course. But he has stopped offering it, for fear that such courses will ultimately help undermine the financing of public universities.

[Enlarge Image](#)

*By Marc Parry*

Mitchell Duneier once was a MOOC star. But today he's more like a conscientious objector. Worried that the massive open online courses might lead legislators to cut state-university budgets, the Princeton University sociology professor has pulled out of the movement—at least for now.

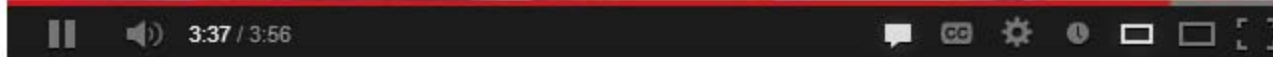
After teaching introductory sociology through Coursera last year, Mr. Duneier extolled his experience in a [Chronicle commentary](#). *The New York Times* featured him on its [front page](#), and Thomas L. Friedman wrote about him in a [column](#). One of Coursera's founders, Daphne Koller, plugged his course in a [TED talk](#).

# How NOT to Design a MOOC: The Disaster at Coursera and How to Fix it

I don't usually like to title a post with negative connotations, but there is no way to put a positive spin on my experience with the MOOC I'm enrolled in through [Coursera](#), *Fundamentals of Online Education: Planning and Application*. The course so far is a disaster, 'a mess' as numerous students have called it. Ironically, the learning outcome of the course is to create our own online course. To be fair, there are some good points to the course, but there are significant factors contributing to a frustrating course experience for students, myself included.



# **Self-empowered Edu-preneur Movement**



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Published on Aug 15, 2013

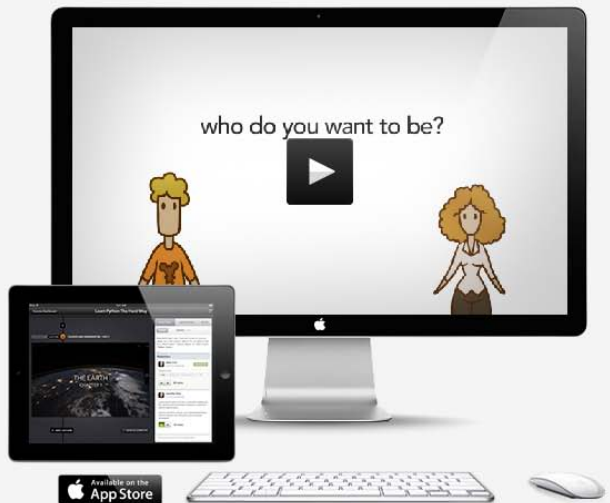
<http://www.emcosmetics.com> 2 years in the making, thanks to you, em is born! Watch a mini demo of The Life Palette!

<http://bit.ly/1cOLRib>

Show more

2 year journey from posting simple makeup technique videos to establishing her own company with help of million of viewers worldwide

# **Education on Marketplaces**



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OR

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Udemy for Organizations is here →

[SEARCH](#)

## Popular Courses



**Welch Way: Leadership in Action**

Price **\$500** 78 Reviews ★★★★★ Students 679

Instructors:



**Microsoft Excel 2010 Course: Beginners/Intermediate Training**

Price **\$99** 540 Reviews ★★★★★ Students 45.4K

Infinite Skills High Quality Training



**Become a Startup Founder (Complete Course)**

Price **\$399** 12 Reviews ★★★★★ Students 385

Founder Institute Globalizing Silicon Valley



**The Lean Startup**

Price **\$150** 13 Reviews ★★★★★ Students 1.5K

Eric Ries Author



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## Why StraighterLine? We're convenient. We're affordable.

StraighterLine's affordable pricing – as low as \$148/month – has put college in the hands of thousands of students. And when our students complete their online courses, the credits transfer automatically on enrollment to our over 45 regionally accredited Partner Colleges with the StraighterLine Credit Transfer Guarantee.

In addition to our Partner schools, over 400 Universities have accepted credit for StraighterLine courses. American Council on Education (ACE) Credit has evaluated and recommended StraighterLine courses for credit. More than 2,000 colleges and universities consider ACE Credit recommendations in determining the applicability to their course and degree programs.

### Featured In The Press



## Student Stories

Read about personal experiences with StraighterLine.



Nino Diaz

"Worked perfectly with my busy schedule... the price per course allowed me to avoid an incredible amount of student loan debt."



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Learn when it's most convenient for you. Work at your own pace, using the skills you already have.

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### Affordable »

Our mission is to enable you to graduate debt-free. We want you to focus on learning and not stress over expense.

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**Candida Constantine**  
MBA Student

*"New Charter University provided me with the tools and knowledge needed by today's business leaders. Their awesome flexible online format allowed me to complete my studies while balancing time with my job and family."*

**Eduardo Fernandez Clement**  
AS Student

*"Distance learning at New Charter University allowed me to finish what I started so many years ago in an affordable manner at my own pace. I am proud to be able to say that I have completed my education."*

**Lynn Pringle**  
BS Student

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- ACADEMICS
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- PROCESSING FEES
- SCHOLARSHIPS
- THE METHOD
- OUR STUDENTS

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The University embraces the worldwide presence of the Internet and dropping technology costs to bring tuition-free undergraduate degree programs to qualified high school graduates around the world. UoPeople offers Associates and Bachelors degree programs in Business Administration and Computer Science.

With the support of academic leadership from top universities and having admitted more than 1500 students from 136 countries to date, UoPeople is well on its way to becoming a global higher education leader.

**This institution is a private institution approved to operate by the Bureau for Private Postsecondary Education.**



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  - Blog
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- ACADEMICS**
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  - Library Services
  - Course Catalog
  - Accreditation
  - Academic Calendars

- ADMISSIONS**
- Apply Now
  - Deadline
  - Requirements
  - Process

- PROCESSING FEES**
- Application
  - Processing Fee
  - Requirements
  - Exam Processing Fee

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# **Fuel for Completion**

Clicks  Completion

- The longest / hardest journey.
- Technology cannot learn on your behalf.





Learn. Collaborate. Innovate.



Remove Picture

### The Venture-lab Team

- Team Closed
- 5 members
- 1 pending
- Education
- Web Technologies

- Contact
- Leave
- Edit
- Open
- Step Down
- Help

#### Description

We are the [venture lab team](#).

#### Team Formation

Team Leader Election

Team Project

Team Evaluation

Active participation = higher reputation

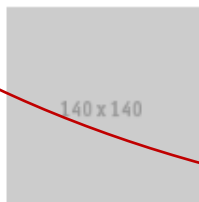
#### Team Members ( 5 members )



✓ **Amin Saberi** (Team Lead)  
✉ [amin.saberi@gmail.com](mailto:amin.saberi@gmail.com)



✓ **Farnaz Ronaghi**  
✉ [farnazronaghi@gmail.com](mailto:farnazronaghi@gmail.com)  
🏠 United States  
🕒 More than 10 hours/week  
★ software, internet, mobile  
♥ founding a firm



✓ **Joseph Wen**  
✉ [wenjoseph88@gmail.com](mailto:wenjoseph88@gmail.com)



📍 **Chuck Eesley**  
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🕒 1-3 hours/week  
★ software, internet, mobile  
✖ [Take this Invitation Back](#)

140 x 140

# BOOST MOTIVATION

Positive Feedback Drives User Engagement

TAKE A UBOOST TOUR



Education

Healthcare

Community

uBoost provides dynamic customized motivation programs for education, healthcare and online communities. With uBoost you can:

- **Increase participation.** Encourage members to login, share and contribute.
- **Build loyalty.** Stronger, more vibrant communities enhance connections and attachment.
- **Recognize leaders.** Engage and reward your most valuable members.
- **Give back.** Provide tangible incentives and rewards for achievements and member activities.
- **Differentiate.** Add motivation tools to your programs, products and services.



*We found that students who were part of the high school Honors & Extras pilot program completed more online lessons and showed more improvement - Kaplan Test Prep*



SELECT CLIENTS



### Boost Motivation

Motivation tools encourage program participation. Your users will login in



### Improve Retention

Deepen commitment as members make progress towards long-term goals.

VIEW MY: PICS | VIDEO'S



# GRAND CANYON UNIVERSITY

**About Me:**

I am the mascot for Grand Canyon University. I am about 7' (including my antlers) 6' if you want to get technical about it. I've been using my abundance of free time over the summer to write a rap, increase my Halo stats, and develop a stylish, futuristic Jiu Jitsu dojo. I'm currently back to school so I'm doing a lot of pushups to prepare for poolside cabana time. I also dabble in tutoring freshmen to help keep their grades up.

Yeah, I have to say I work hard to be a well-rounded mascot. Oh, by the way, if you didn't catch it, they call me Thunder around campus because I'm LIGHTNING FAST!!! It's true. I'm the second fastest land animal in the world, second only to the cheetah and if you check out my heroes section you'll see me beat a cheetah in a race (they're really not that fast).

**MALE**  
59 YEARS OLD  
PHOENIX, ARIZONA  
USA

LAST LOGIN: TODAY

SEND MESSAGE    ADD TO FAVS  
ADD TO FRIENDS    BLOCK  
ADD TO GROUP    RANK USER

FORWARD

GCU also has a Facebook page. Click here to visit

GCU also has a twitter page.

MYSPACE for Grand Canyon University - From "almost closing down status" in 2001. (1949-2003 / 2004-2010)

Making it the first for-profit Christian college in the United States. IPO NASDAQ in 2008. As of Dec. 2009: 37,000. 2013 - 60K/2B / **1% retention – 1.2M revenue**

Major genetic mutation occurred in 2003: non-profit to for-profit. Hybrid: on-ground and online. Joined the major league

<http://finance.yahoo.com/>

# Passion



intense, driving, conviction, desire, devotion, deep interest, dedication, eagerness, enthusiasm, appreciation, esteem, loyalty, steadfastness, allegiance, willingness, zeal, fervor, attachment, devotedness, appetite, overmastering never ending feeling, feeling of strong or constant regard, success

# Ellen Dong Yi

- 1992 - Born in Zhejiang, China
- 2010 - studied in Zhejiang University
- Taught Chinese in Cambodia
- Worked for Teach For China.
- 2012 - Attended Stanford open course: **Designing a New Learning Environment** and decided to devote myself in solving underserved education problems.





TeamRank ★★★★★ [What's this?](#)

On Venture Lab since 3 months ago, last activity 12 days ago.

Lives in La Cañada Flintridge, California, United States | Speaks English

### Course Profile Details

- Member of **Cardinals**
- Highest level of education: **Less than High School High**
- ★ Current occupation: **Student**
- ★ Primary career aspirations: **other**
- Plans to spend **3-5** hours on course projects.

#### Personal Statement

When I heard about this course, I thought it was a great idea. The idea of teaching needy kids with technology never came up to my mind before. I love working with technology and I was thrilled that I could put my hobbies to use on a great course like this. Although I am only a middle schooler, I hope that my team and I will create a new learning environment that could change the course of other children's life.

Reminded me of Andre Hsu

Student

DESIGNING A NEW LEARNING ENVIRONMENT

★ Course Profile

Journal 5

VENTURE LAB

★ Personal Profile

Courses 1

Network 6

Endorsements 0

# Stanford ONLINE

## Designing a New Learning Environment

**INSTRUCTOR:** Paul Kim

Chief Technology Officer and Assistant Dean, School of Education,  
Stanford University

*October 19, 2012 - December 20, 2012*

*The next offering of this course will be in Spring 2013.*

Notify Me!



## The Course

What constitutes learning in the 21st century? Should reading, watching, memorizing be the only way to learn? Or could technology (used effectively) make learning more interesting?

首页 > 广告 > 斯坦福2012秋季开放课:设计全新教学环境

上传者: 黄宜宾

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关灯

what they can memorize. I'm envisioning a new learning environment. 56.com



能力不会比他们的创新能力更受重视。 在我设想的【全新教学



百度基金会  
Baidu Foundation

# 百度基金会

知识共享  
环境保护 灾难救助

相关内容



大学秋季10种



秋季运动会

Challenges – China, Mideast, social network sites banned, no YouTube access. (Use Youku, box.com, Dropox, 56.com, etc.)





What's not typical in MOOCs



إن تصوري لبيئة تعلم جديدة حيث الطلاب يبدعون الأشياء أكثر مما يحفظون ويستذكرون

<http://venture-lab.org/education>

الدورة الدراسية : تصميم بيئة تعليمية جديدة

الصفحات

- الصفحة الرئيسية
- جامعة MIT
- جامعة Stanford

دورة أون لاين : تصميم بي

شارك معنا في دورات  
التقنية والتعليم

اشترك في المدونة

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2012 (5) ▼

أكتوبر (1) ◀

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+

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12



Hi,

because many participants in this class figured out problems watching the lectures because of the host (YouTube) or the available bandwidth, i've created low bandwidth versions of every lecture. Within the folders at DropBox and Google Drive, you will find videos (flv files) and only-audio versions (mp3 files, sized roundabout 50% of the videos ). I strongly recommend the Open Source [VLC-player \(portable version\)](#).

### Links

DropBox => [CLICK](#)

Google Drive => [CLICK](#)

### Available audio-only and video files

- DNLE Week 1 Designing a New Learning Environment
- DNLE Week 2 Guest Speaker University of Wolverhampton Professor John Traxler
- DNLE Week 2 Guest Speaker USC Professor Guilbert Hentschke
- DNLE Week 3 Needs Analysis
- DNLE Week 4 Technology, Content, Pedagogy, and Value
- DNLE Week 4 Learning Technology Design Principles I
- DNLE Week 5 Design Principles II
- DNLE Week 5 Design Principles III

**This will be updated every week!**

If you are in need for different file-formats, please do not hesitate to ask for it.

Marc

[Reply](#) [Delete](#)

By [Marc Schnau](#) Posted 7 days ago.

# DNLE - Glossary

[Edit](#) | [Delete](#) | [Sticky](#) | [Lock](#)[buzzword x](#)[glossary x](#)[lingo x](#)[acronyms x](#)[BYOD x](#)[jargon x](#)[Subscribe](#)

36

**Sudarshan R**

Posted 3 months ago.

*Dear friends - In this course, we are sure to encounter several acronyms, buzzwords and new terms that will be key part of the course vocabulary and lingo. This glossary can be a quick reference, especially for those of us new to the field. Please feel free to correct any errors and highlight any that might have got left out. Thank you - Sudarshan*

**Learning Environment:**

"A prescribed specific condition or model that purposefully integrates sustainable technology and pedagogy for learning to take place." Explained by **Prof. Paul Kim** here: <http://venture-lab.org/education/topics/5274>

**ADDIES Model:**

Analysis, Design, Development, Implementation, Evaluation, Sustainability as steps for building a new learning ecosystem.

# Nominee: Azhar Youssef - for Awesome DNLE-er

Azhar x Youssef x Nominee x  +

Subscribe

What's not typical in MOOCs

35

**Tamara Brathwaite**  
Posted 2 months ago.

For creating the awesome thread: [STORE for Tools suggested by DNLE-ers](#) among other helpful responses!  
Any seconders?  
;-)

Reply Delete

## Replies

Date Posted Most Recent Most Voted

3

**Débora Alejandra Tebovich**  
Posted 2 months ago.

Azhar is an Awesome DNLE-er and incredible role model. So here I give my vote to her.  
Debbie

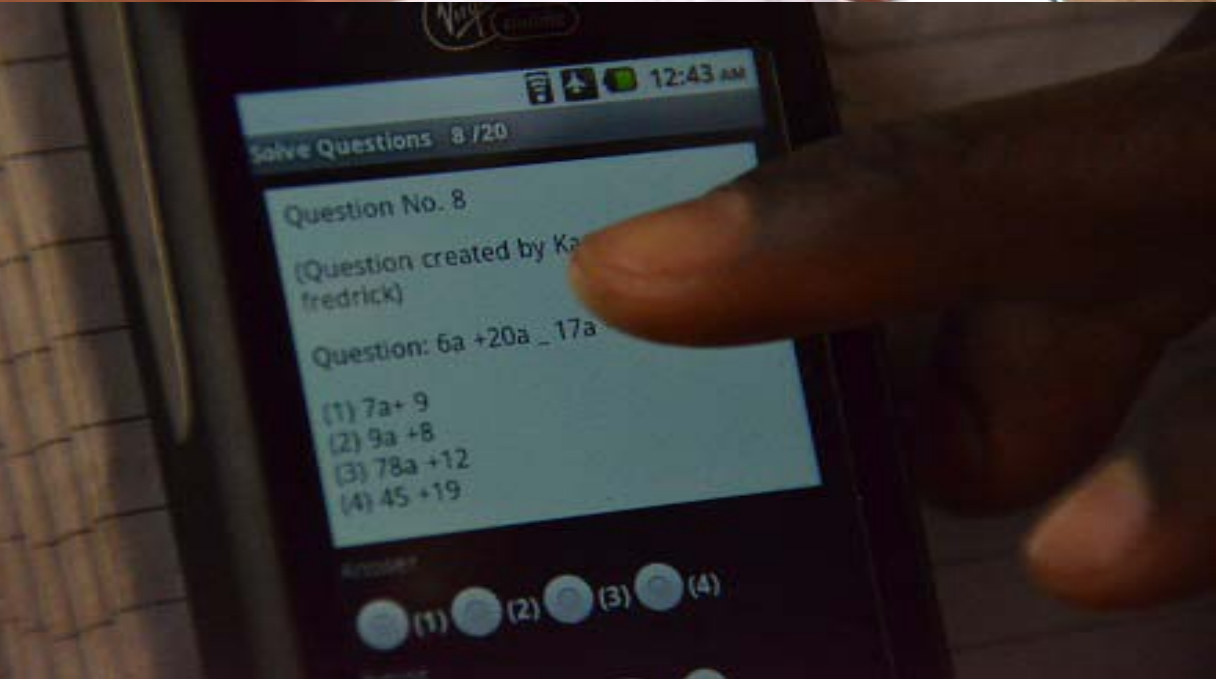
Edit Delete

A lot of synthesizing work by students

Mobile Learning Initiatives  
for migrant indigenous children  
who never owned any book



2006



# Last-mile education solution



Bridge between MOOCs and Learners in the under-developed regions.

2013

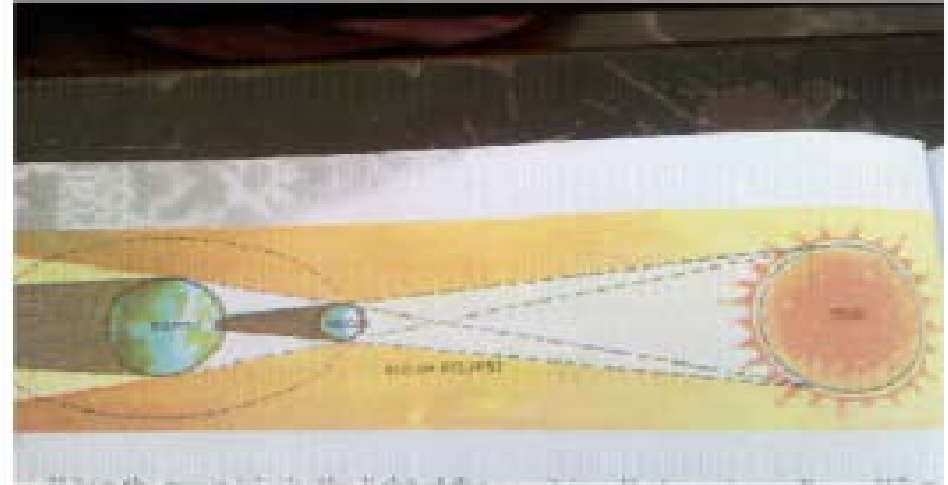


Adhoc local area mobile learning network – content & application server+router+wifi+storage  
One button and runs on a battery





Question: When the moon blocks the light of sun it is called .....



- (1) Solar ecilpse
- (2) Total solar eclipse
- (3) Partial eclipse
- (4) Lunar eclipse

Answer

- (1)  (2)  (3)  (4)

Rating

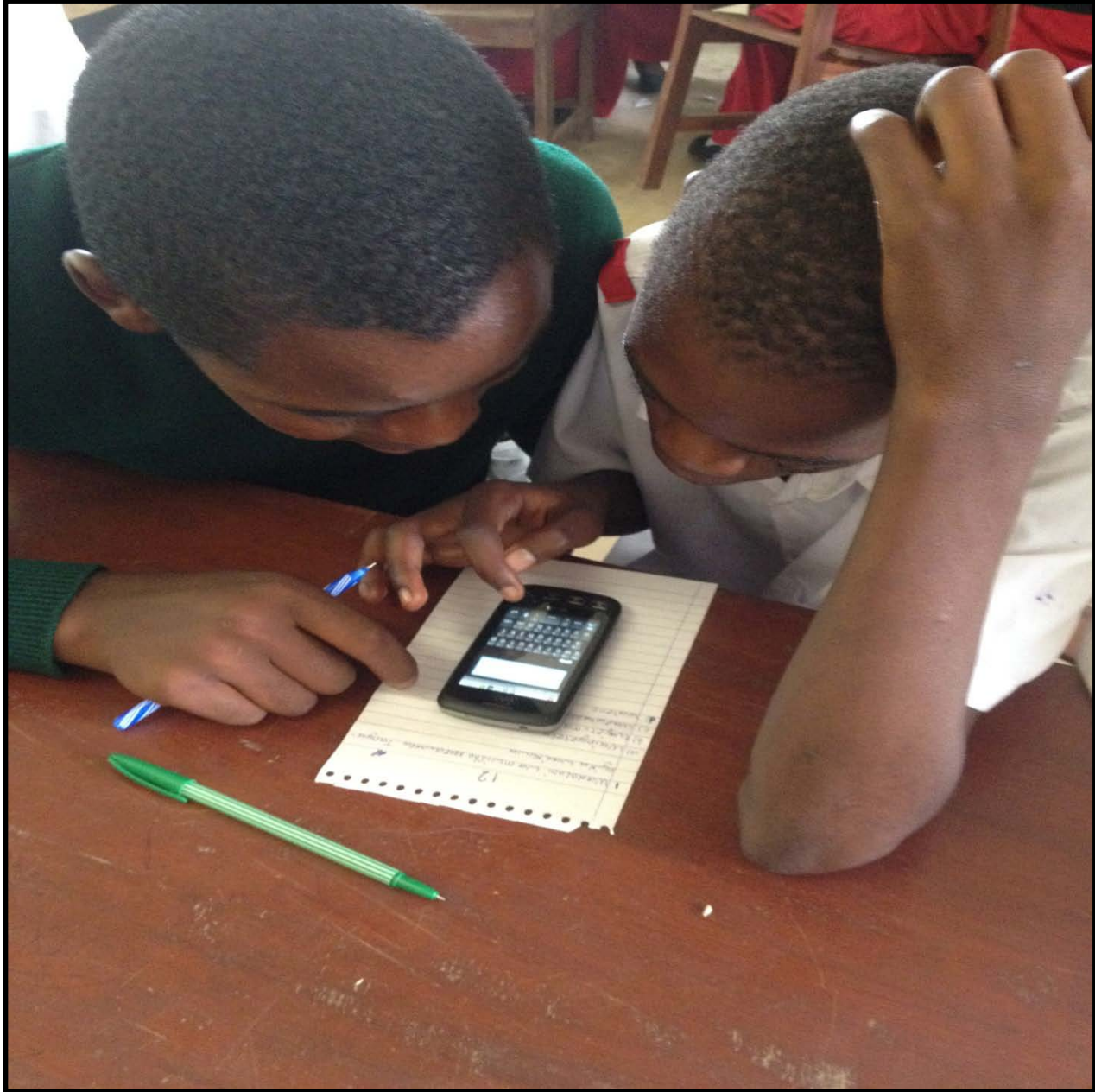
- 1  2  3  4  5

Reset

Prev

Next

Ask this group why they made this question!




Questions in Swahili and English.  
No textbook. Only the teacher owns textbooks.

Learning English by creating questions with photos. (Bottom)

(Question created by 3)

Question: What is this?

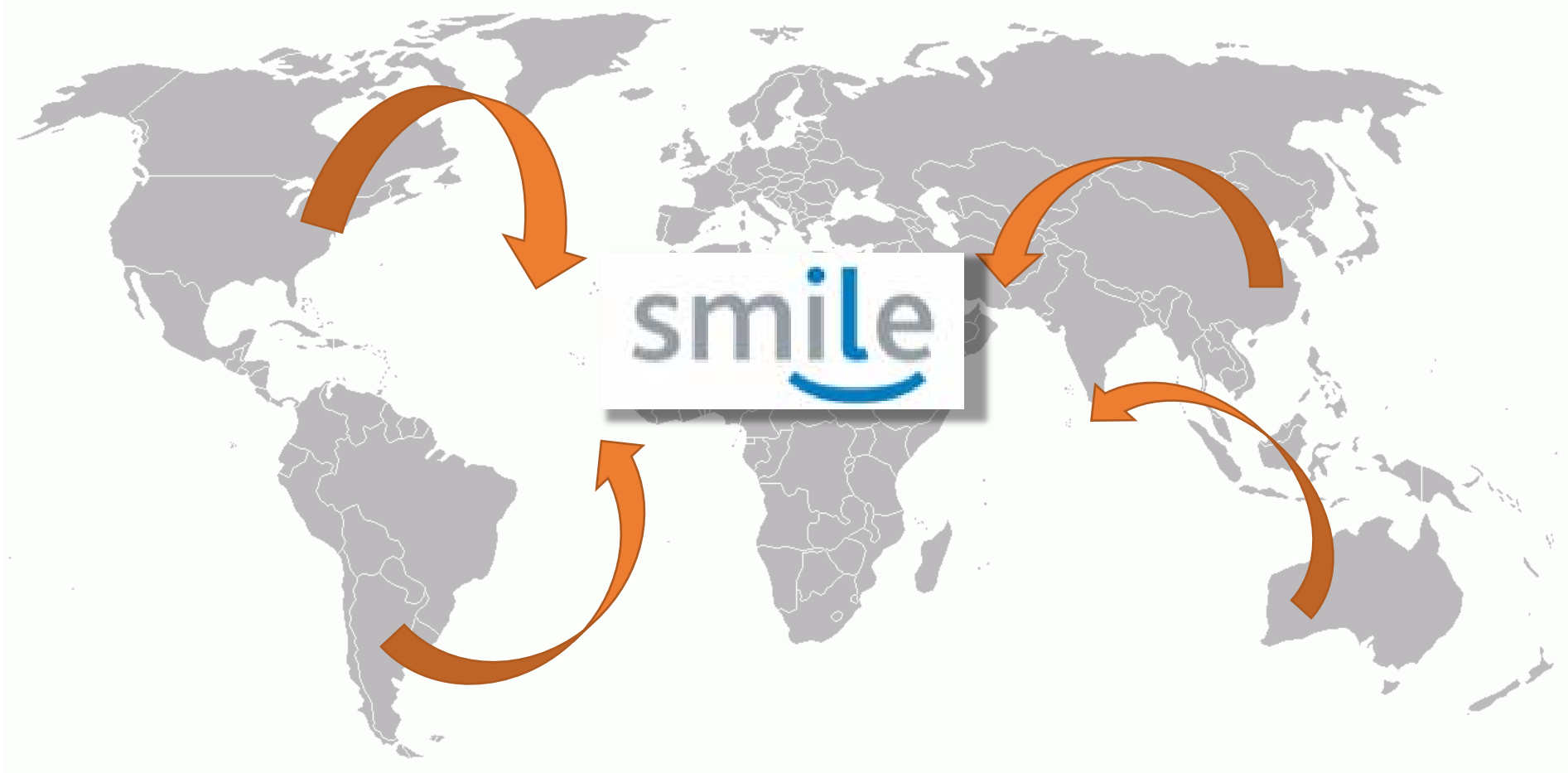


(1) Cow  
(2) Table  
(3) Chair  
(4) Bottle ✓

Correct Answer: 4

A screenshot of a digital interface for a quiz. It shows a question in English: "What is this?" with a photograph of a clear plastic bottle. Below the photo are four multiple-choice options: (1) Cow, (2) Table, (3) Chair, and (4) Bottle. The option (4) is marked with a red checkmark. At the bottom, it says "Correct Answer: 4". The interface has a light blue border and a vertical scrollbar on the right side.

# Global Knowledge sharing and learning through SMILE



## Welcome to SMILE!

Please enter your username and password to get started, or register if this is your first time here.

[New User?](#)[Register](#)

## SMILE Documentation

SMILE global documentation is now available! Click below for the PDF link.

[SMILE User's Guide](#)

## About SMILE

SMILE flips a traditional classroom into a highly interactive learning environment by engaging learners in critical reasoning and problem solving while enabling them to generate, share, and evaluate multimedia-rich inquiries. (SMILE) is an inquiry maker which allows learners to quickly create own inquiries e.g. questions, homework, tasks items based on their own learning and understanding of the explored context.



# What we don't do in schools?

Higher order learning ↑

Creating

Evaluating

Analyzing

Applying

Understanding

Remembering


Forgetting


SMILE

Team Collaboration

Gamification

What we do in schools

- 
- A close-up photograph of a hand pointing towards a computer keyboard. The image is overlaid with a large, thin brown circle. Inside this circle, on the left side, is a vertical list of six cognitive skills, each in a dark grey box with white text. The skills are: Creating, Evaluating, Analyzing, Applying, Understanding, and Remembering. The background is a blue-tinted image of a computer keyboard and mouse.
- Creating
  - Evaluating
  - Analyzing
  - Applying
  - Understanding
  - Remembering

- 
- A close-up photograph of a hand pointing towards a computer keyboard. The image is overlaid with a large, thin brown circle. Inside this circle, on the right side, is a vertical list of two cognitive skills, each in a dark grey box with white text. The skills are: Understanding and Remembering. The background is a blue-tinted image of a computer keyboard and mouse.
- Understanding
  - Remembering

Oxford students in DNLE → Talk at Oxford → Oxford team in India implementing SMILE -  
> Scalability Study → ?

**VOX**  
Voices from Oxford

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## Prof Paul Kim

Assistant Dean & Chief Technology Officer, Graduate School of Education Stanford University



Paul Kim is the Chief Technology Officer and Assistant Dean of the Graduate School of Education at Stanford University.

Theme:  
**Global Problems and Opportunities**

Tags: Education, International

**Related Videos:**



Online Access to

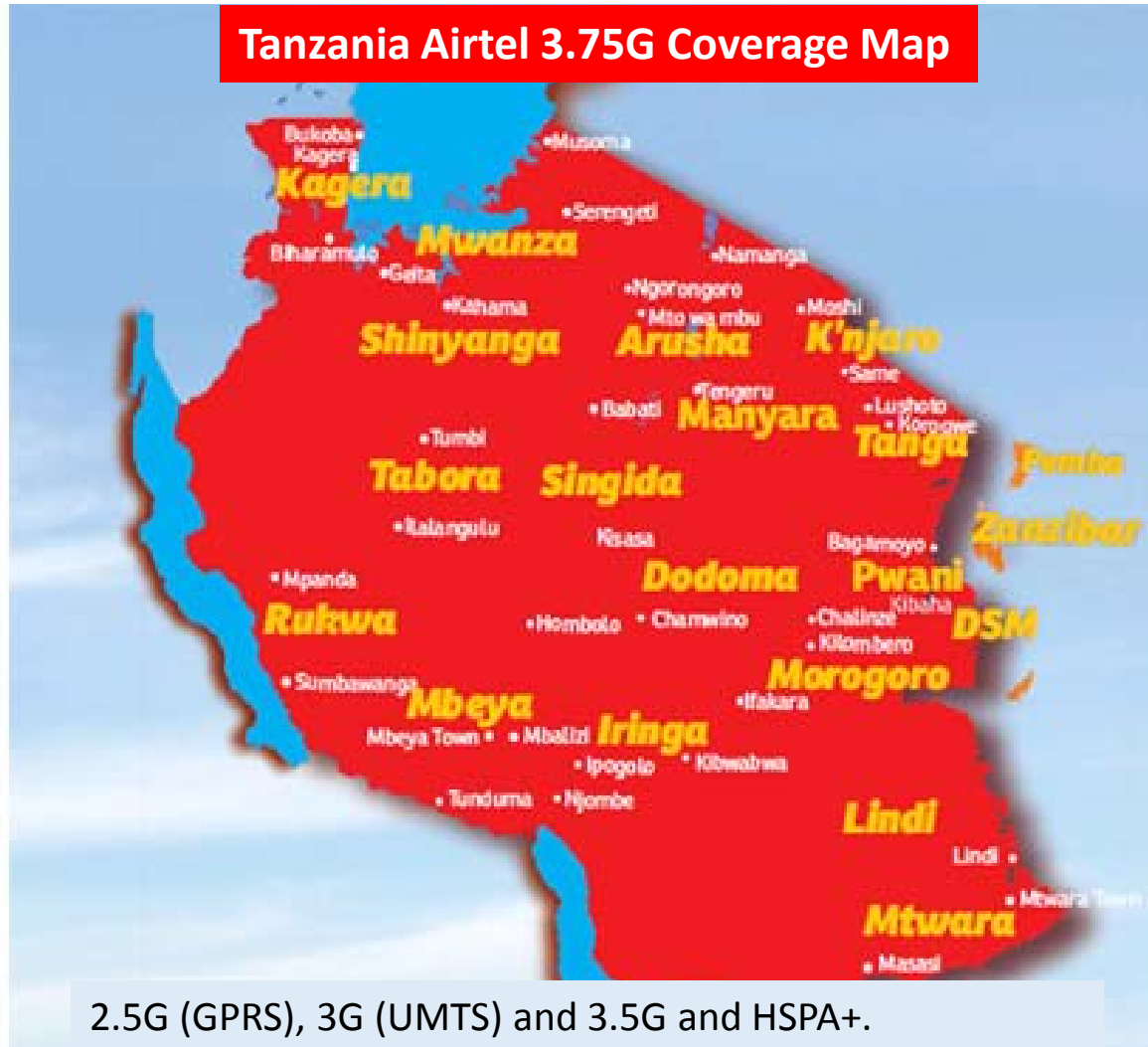








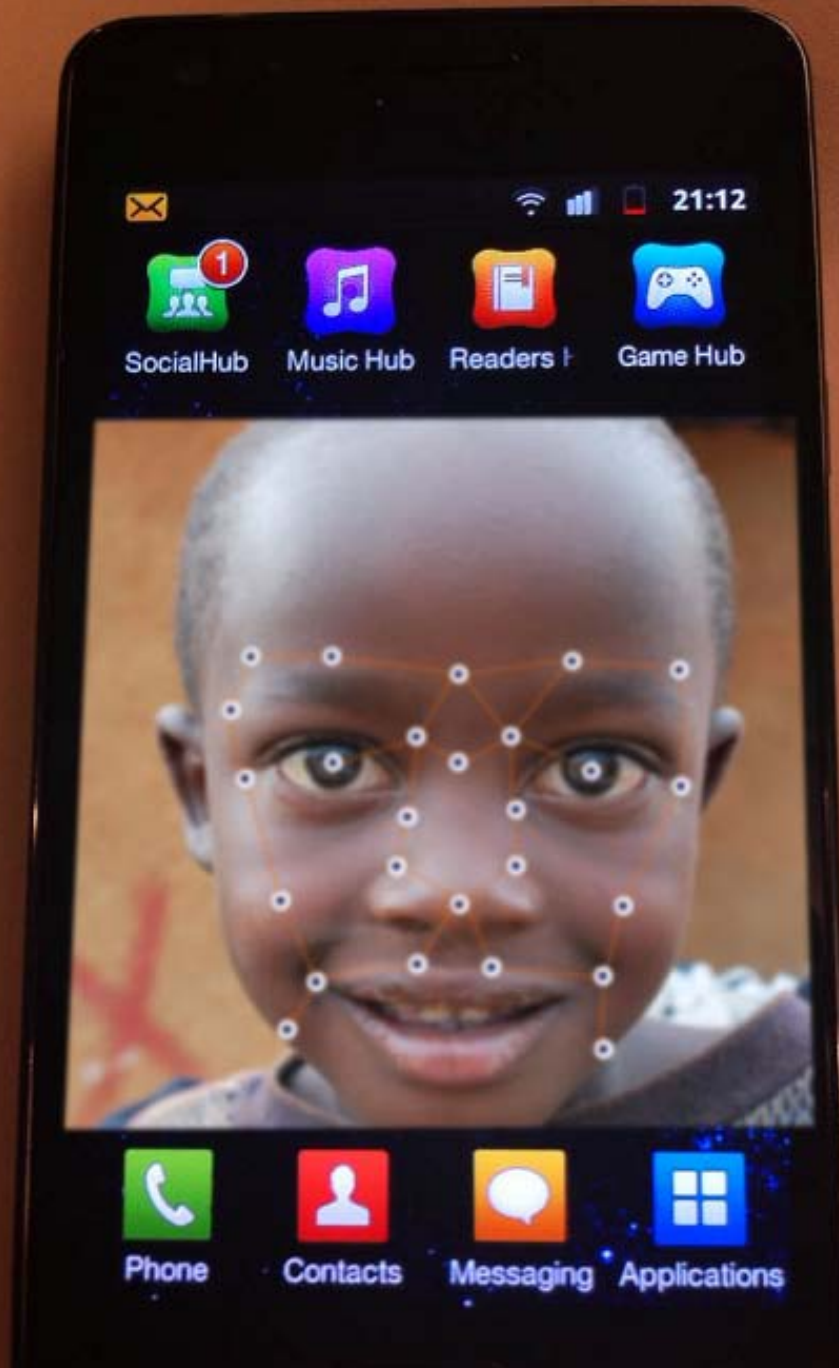
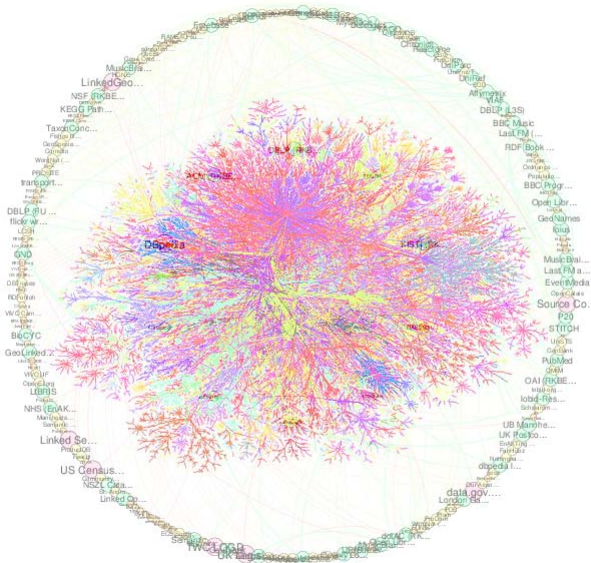
# Wireless Broadband



- South Africa (Cell C)
- Congo-Brazzaville (Airtel)
- Sierra Leone (Airtel)
- Zambia (Airtel)
- Ghana (Airtel)
- Nigeria (Etisalat)
- Egypt (Etisalat)
- Kenya (Airtel)
- Nigeria (Airtel)
- Tanzania (Airtel)
- Rwanda (Airtel)
- Malawi (Airtel)
- Madagascar (Airtel)



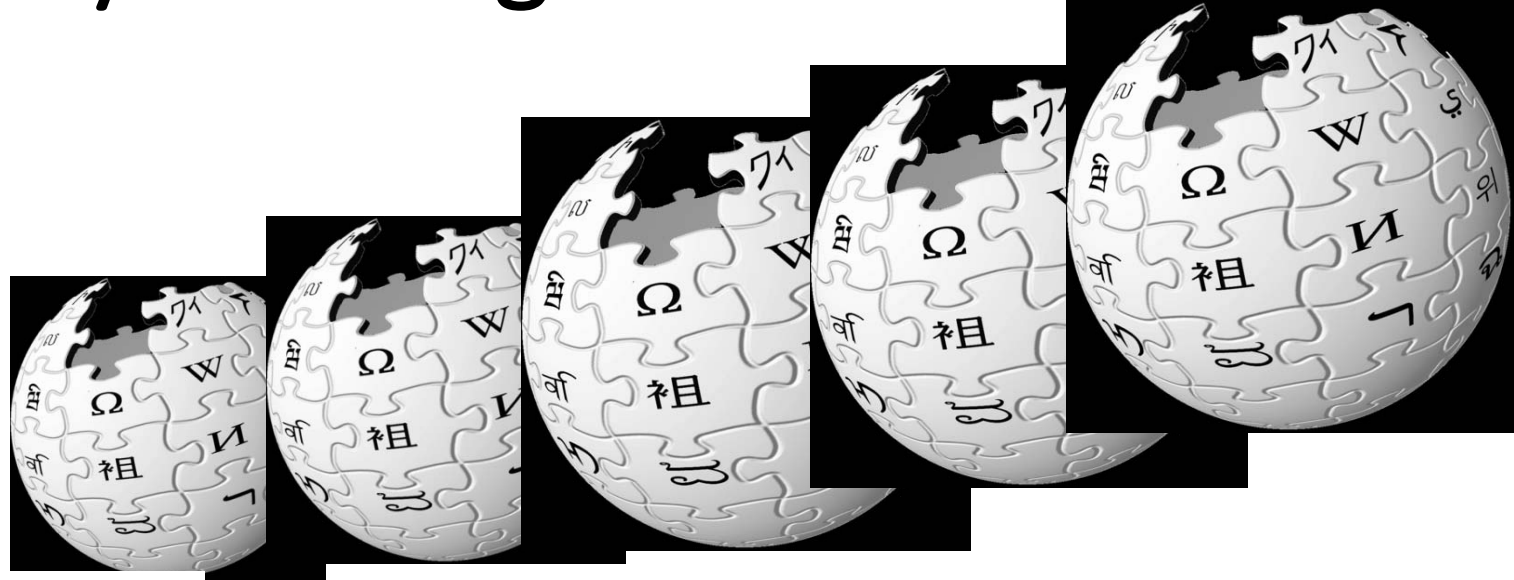
# Mobile Facial Recognition



# Mobile Augmented Intelligence

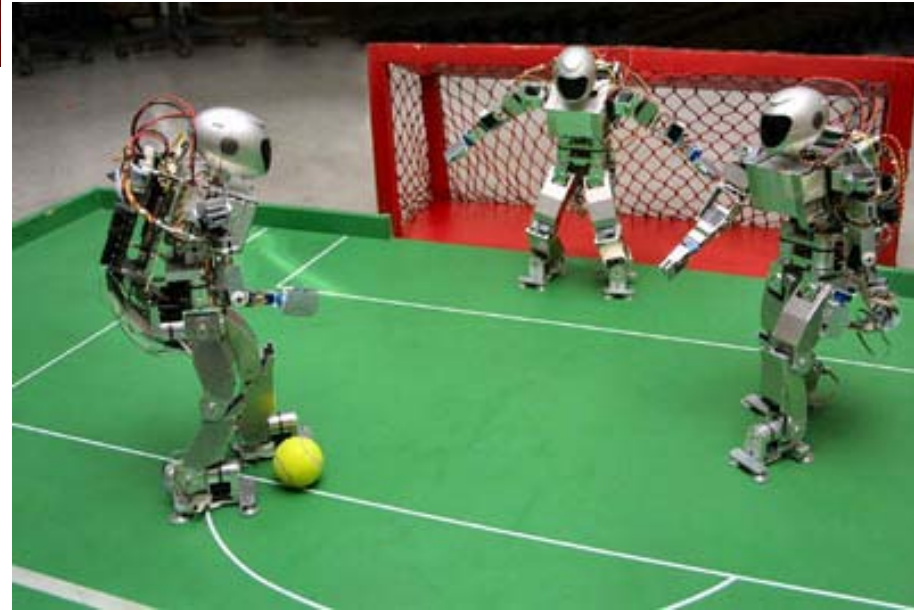


# Mobile Petabyte Storage





# Mobile Gigabit Bandwidth





S. Korea. Medical University - BYOD  
Moving from lecture-centered to  
student interaction centered model  
Developed local evaluation rubrics





# Barcelo Medical University- Argentina



What is the best solution for Chagas disease?



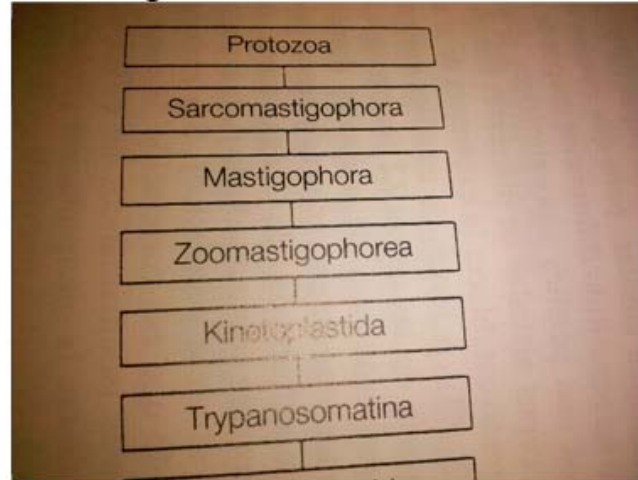
- (1) Multidisciplinary Medical Treatment
- (2) prevention through better health and quality of life
- (3) Elimination of the tryatoma infection
- (4) Change of environment

Answer  (1)  (2)  (3)  (4)

Rating  1  2  3  4  5

Reset Prev Next

Question: At what point in the cycle is possible to immunize a patient infected with Chagas?



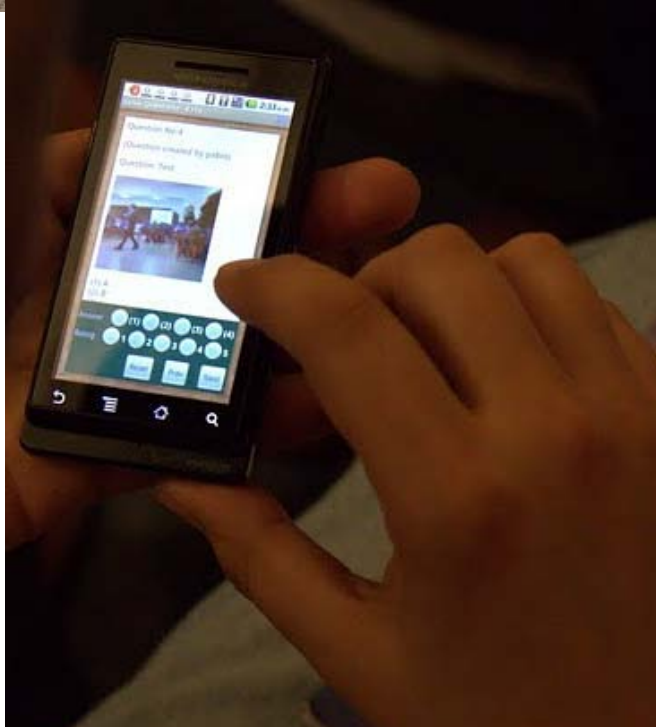
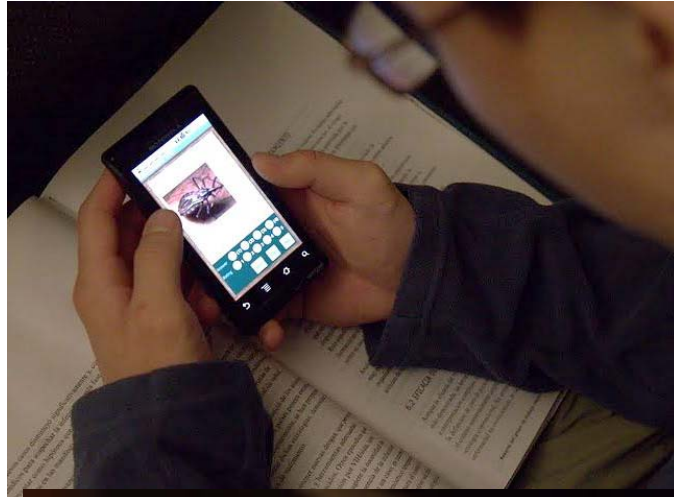
- (1) Only within the first week of infestation
- (2) At no time during the cycle is impossible.
- (3) in healthy individuals with high immune defenses
- (4) Before the onset of symptoms

Answer  (1)  (2)  (3)  (4)

Rating  1  2  3  4  5

Reset Prev Next

# Health Education- Barcelo Medical University- Argentina



# HIV AIDS Stanford University- USA



# Summary

# Phenomena

- Unit cost focused
- Number of units deployed
- Open-source & Free contents loaded
- Delivery and Display = Learning?
- Flipping in the same box
- No focus on pedagogical models
- Not so successful top-down approaches
- Not so scalable bottom-up approaches
- Cultural DNA issues

# Education Ecosystem

ANSWERS "WHY?"

IGNITE PASSION

SHARABLE / REPLICABLE

CATALYZE LEARNING

ENABLING AGENT

NEW POSSIBILITIES

Perceived Value

Value alignment -teacher/parent/ school leader/ student  
Motivate all constituencies

VALUE

PEDAGOGY

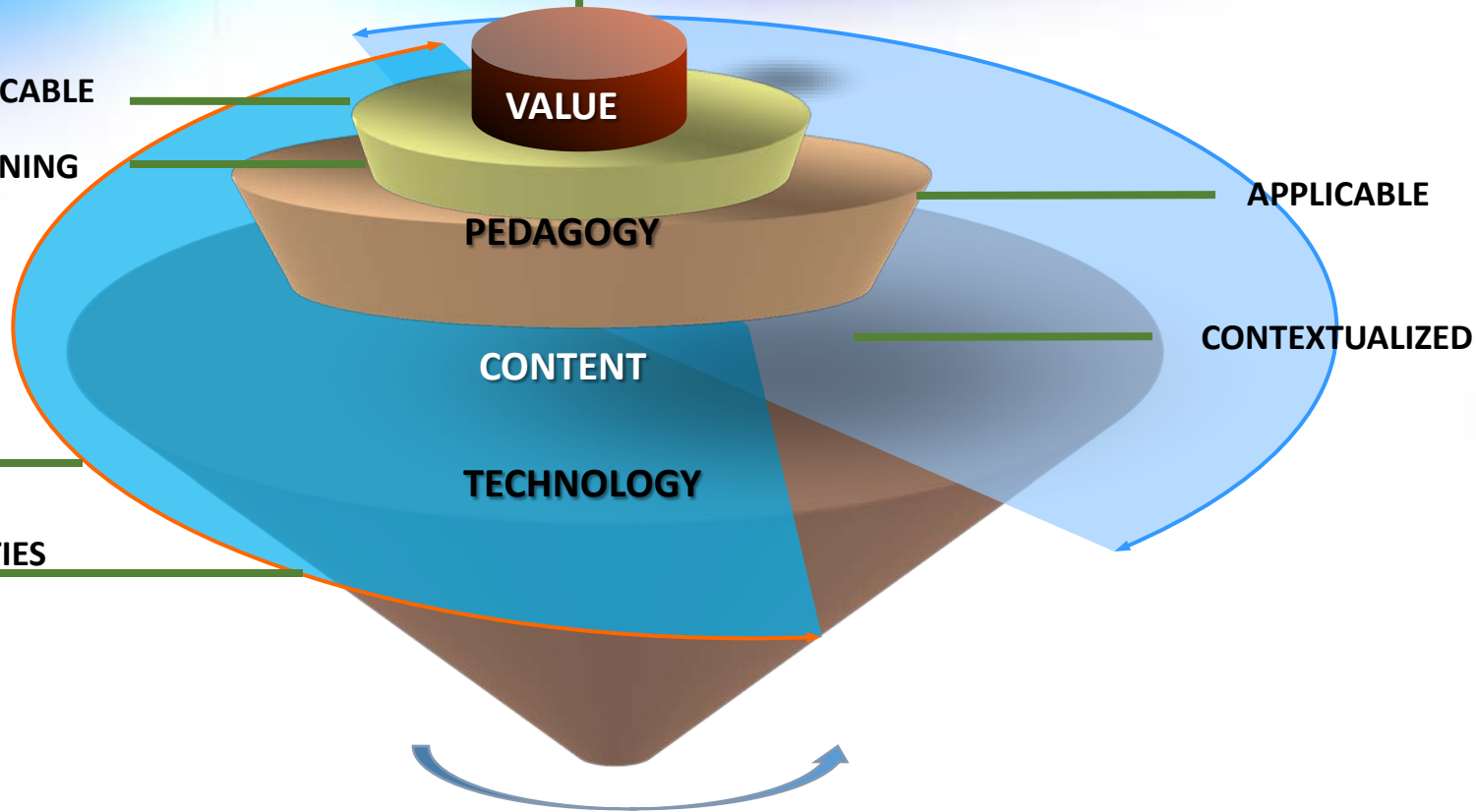
CONTENT

TECHNOLOGY

APPLICABLE

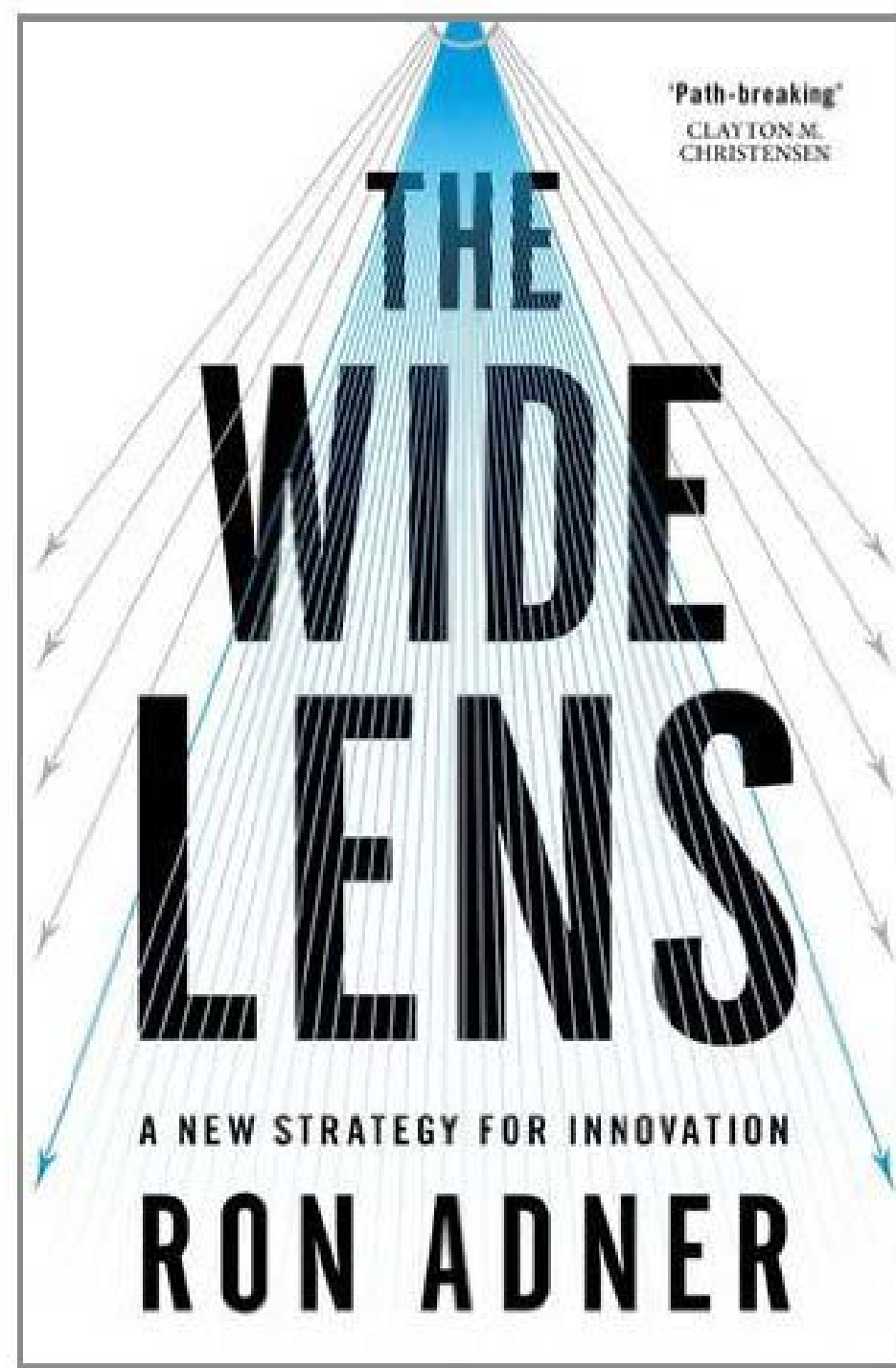
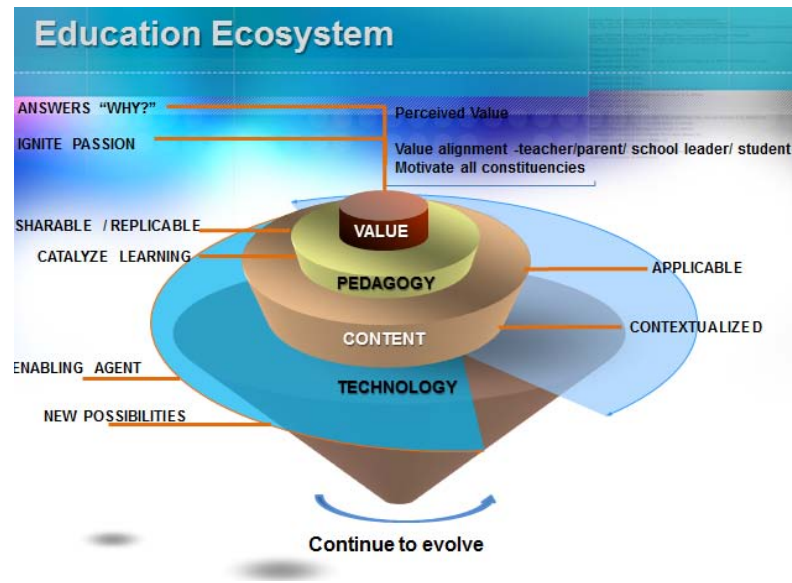
CONTEXTUALIZED

Continue to evolve





## Ecosystematic View



**The millennial students, those earning higher-education degrees in the 21st century, walking through our doors don't just want to make money; they want to make a difference...**

Garth Saloner, the Philip H Knight Professor and Dean of Stanford Graduate School of Business

750,000 COPIES SOLD WORLDWIDE

**pedagogy**  
of the  
**oppressed**  
PAULO FREIRE

30th Anniversary Edition  
With an Introduction by Donaldo Macedo

# Paulo Freire's one word on

## Learning Environment of the 21<sup>st</sup> Century

*a recurring passage through a cyclical process of experiential learning...*

*reflection and action upon the world in order to transform it...*

Change is hard.

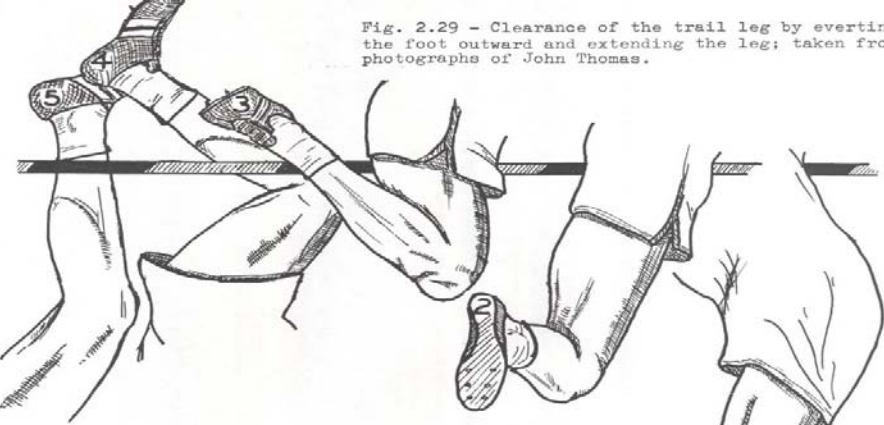
Your approach may look strange and awkward.

Even you may have doubts about yourself as well.

It is a long journey.

Recognized only if you succeed.

Fig. 2.29 - Clearance of the trail leg by everting the foot outward and extending the leg; taken from photographs of John Thomas.



Note the extreme eversion of the legs; this requires great toughness and suppleness of the related muscles and tendons.

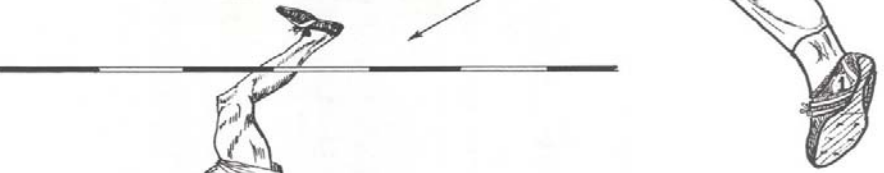
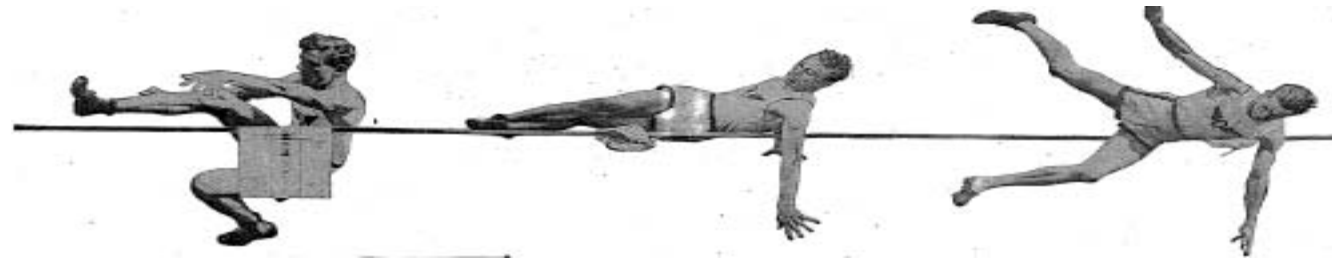
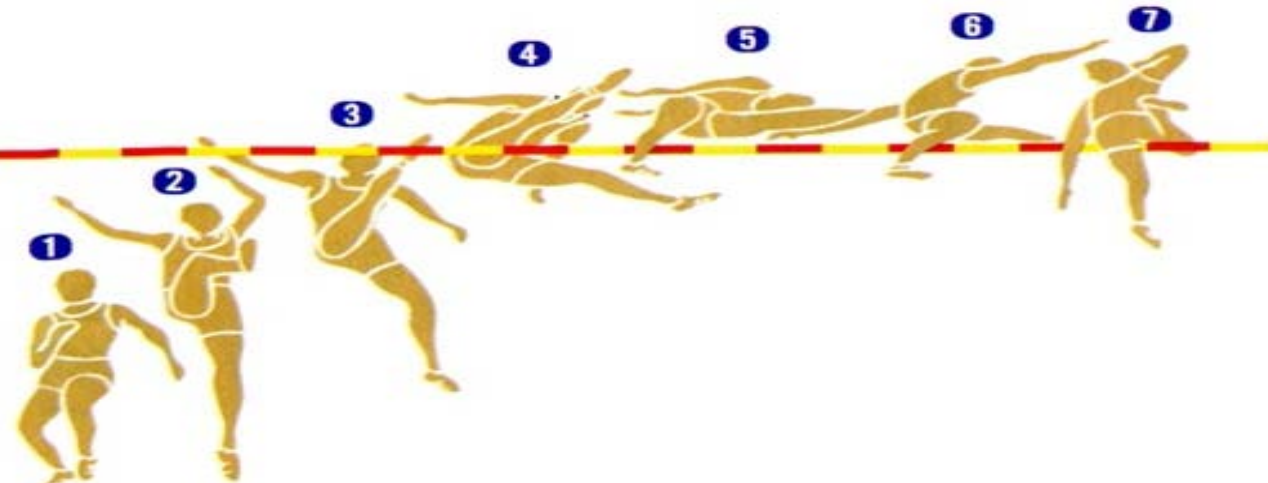


Fig. 2.30 - Clearance of the trail leg in a modified straddle style by thrusting the head-shoulder-arm down without rotation and extending the trail foot straight up; taken from a photo of Valeriy Brumel.



Dick Fosbury



**What can we do as educators?**



I HAVE NOTHING  
FURTHER TO SAY

1907 - 2007



**Questions?**

**Paul Kim**

**digitalschema@gmail.com**