LEARNING IN A NETWORKED WORLD

FOR OUR STUDENTS AND FOR OURSELVES

WILL RICHARDSON
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and

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For a Link to

THESE SLIDES

as well as

OTHER RESOURCES

and information, please e-mail

MORE@WILLRICHARDSON.COM

Disclaimer:
This is

HARD.

Prediction:
Some of you

WILL NOT LIKE

this presentation.

"Cultivating

LEARNER

Success"

"Cultivating

MODERN LEARNER

Success?"

"WE CAN'T BE CREATIVE IF WE REFUSE TO BE CONFUSED. CHANGE ALWAYS STARTS WITH CONFUSION."

~Margaret Wheatley
"Willing to be Disturbed"

Educators should be

MORE CONFUSED

than ever.

GEORGIA TECH

My biases:

This is the most

DISRUPTIVE MOMENT

ever in education.

But, this is also the

MOST AMAZING TIME

to be a learner.

Schools are the

MOST IMPORTANT

INSTITUTIONS

in our communities.

But, schools and educators need to be

"DIFFERENT"

not "better."

We can

NO LONGER WANT

for our kids

THE SAME EDUCATION

that we ourselves had.

Our own personal learning practice with connections and computers is

BEHIND THE CURVE.

Unlike...

WESTOPHATE

DOT ORG

HOME ABOUT VIDEOS MERCH BUZZ LOVE,YOURSELF CLUBS AUSTIN GET INVOLVED

GET INVOLVED

WATCH SOME VIDEOS

WRITE A LETTER

WEAR A WRISTBAND

MAKE EACH DAY YOUR MASTERPIECE

HELP US END cyberbullying

(CLICK HERE TO VISIT BULLYBUTTON.ORG)

LATEST VIDEO

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Tweet to WeStopHate.org

@WeStopHate

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Who to follow · Refresh · View all

Steve Van Dyk @stevevandyk
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Follow

VLACS @VirtualLrnAcad
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Meenoo Rami @meenoorami
Follow

5,533 TWEETS | 354 FOLLOWING | 6,409 FOLLOWERS | Follow

Tweets

WeStopHate.org @WeStopHate 18h
So incredibly true.... "The things you take for granted, someone else is praying for." instagram.com/p/bnXLi8KWp0/
Expand

WeStopHate.org @WeStopHate 22h
Hey Boppers! Check out this super inspiring interview with X-Factor Season 1 contestant, Rachel Crow! Via @TalkEZY
i.talkezy.com/rachel-crow
Expand

WeStopHate.org @WeStopHate 9 Jul
"You are never too old to set another goal or to dream a new dream." -C. S. Lewis
Expand

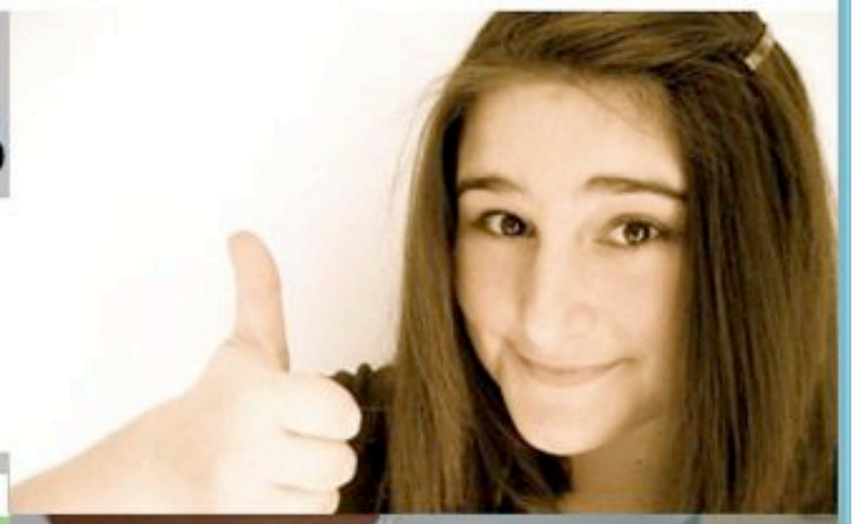
WeStopHate.org @WeStopHate 9 Jul
Don't let a bad day make you feel like you have a bad life.
instagram.com/p/bl3WBQKWva/

WESTOPHATE
DOT ORG

HOME ABOUT VIDEOS MERCH BUZZ LOVE,YOURSELF CLUBS AUSTIN GET INVOLVED

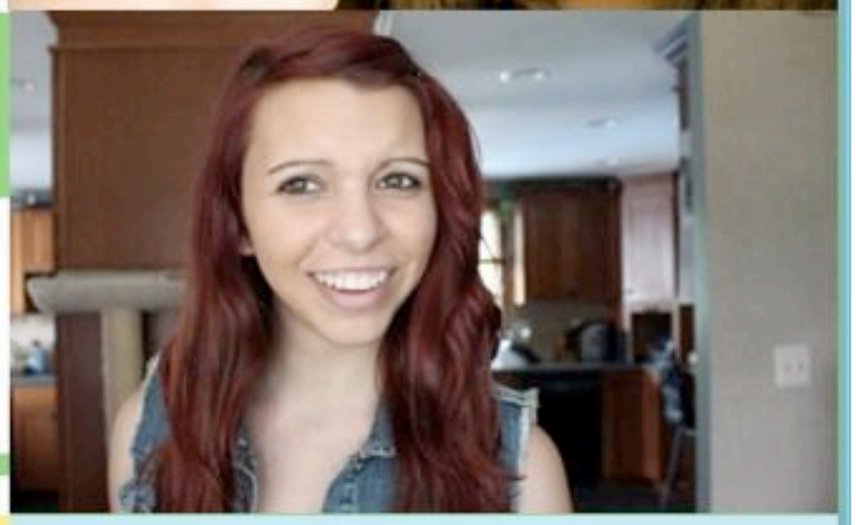
FOUNDER / DIRECTOR
EMILY-ANNE RIGAL, 18

Hi there, I'm Emily-Anne!
I founded WSH at age 16 because I wanted to share my story about overcoming bullying and create a place where you can share yours. As the director of WSH, it's my job to make sure that every Bopper is as happy as a bird with a french fry! If you're looking for me in a crowd, I'll be the girl wearing a pink bow headband. Visit *EmilyAnneRigal.com* to learn more!

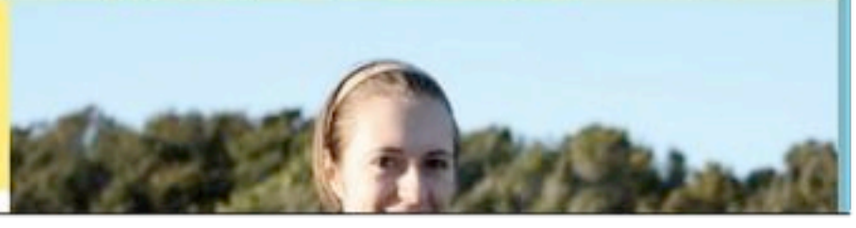


COMMUNITY MANAGER
DEIDRE CLARK, 18

Hola, I'm Deidre!
I'm the Community Manager here at WSH. In other words, you've probably seen me talkin' it up on WSH's Facebook, Twitter, and my personal favorite: YouTube! Mustard yellow is my color of choice, and I quote Napoleon Dynamite on the regular. I look forward to chatting with you through all of WSH's awesome social networking sites, stay magical!



LOVE, YOURSELF DIRECTOR
JILLIAN CARNEY, 17



JACOB ARNOTT

14-year-old Editor-in-Chief

The SPORTING JOURNAL

HOME ABOUT TWITTER VIDEO BLOG

AFL Football Cricket Basketball NRL Union Netball Olympics Other Sports

14:36 BREAKING NEWS /

ELLYSE PERRY; AUSTRALIA'S SPORTING WONDER WOMEN

Michael Clarke is a great cricketer. Harry Kewell is a legendary soccer player. Australia loves its sports stars but they are usually confined...

BY: NEWSROOM STAFF

19 SEP | MELBOURNE 11°

LATEST NEWS

22:38

Best quarters from an individual player

Jarrad McVeigh's second quarter against Carlton in last Saturday's elimination final was brilliant. He had the ball on a string and gathered...

Jackson Clark

19:48

Ellyse Perry; Australia's sporting wonder Women

Michael Clarke is a great cricketer. Harry Kewell is a legendary soccer player. Australia loves its sports stars but they are usually confined...

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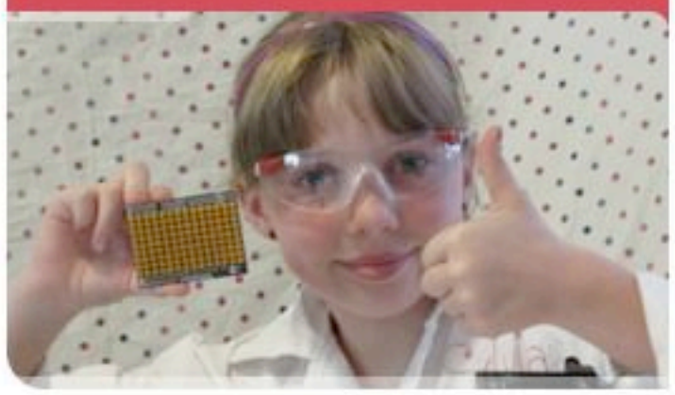
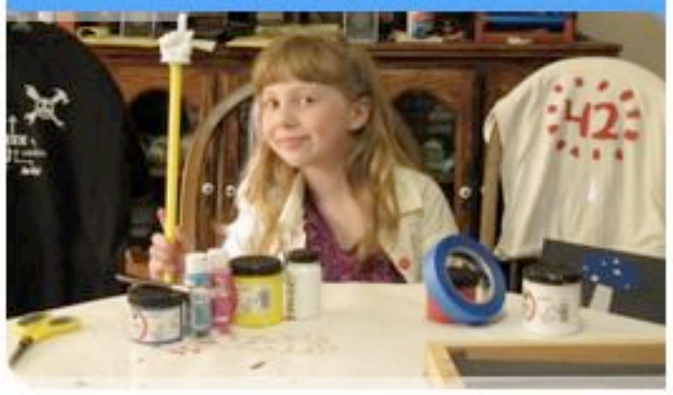
SYLVIA BUILDS THE LOL SHIELD KIT



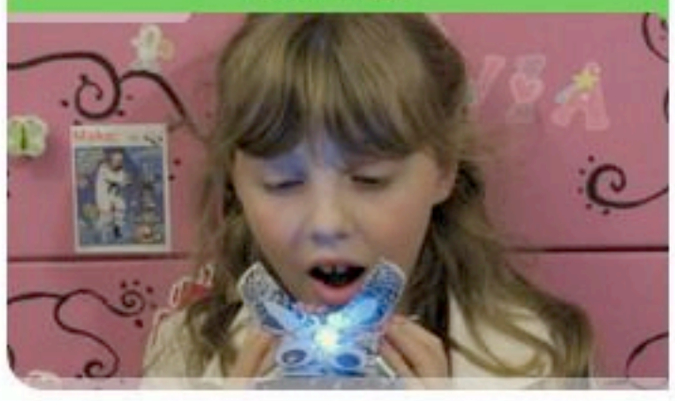
ALL ABOUT MOD PODGE

SYLVIA BUILDS THE ADAFRUIT MINIPOV

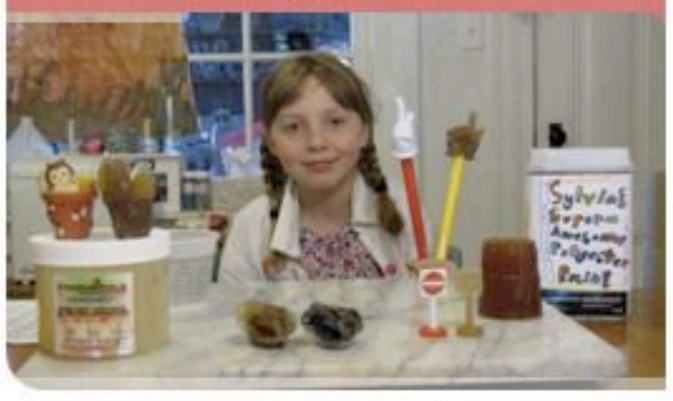
SYLVIA SHOWS HOW TO DO BASIC SCREEN PRINTING



SYLVIA BUILDS MOUSEY THE JUNKBOT



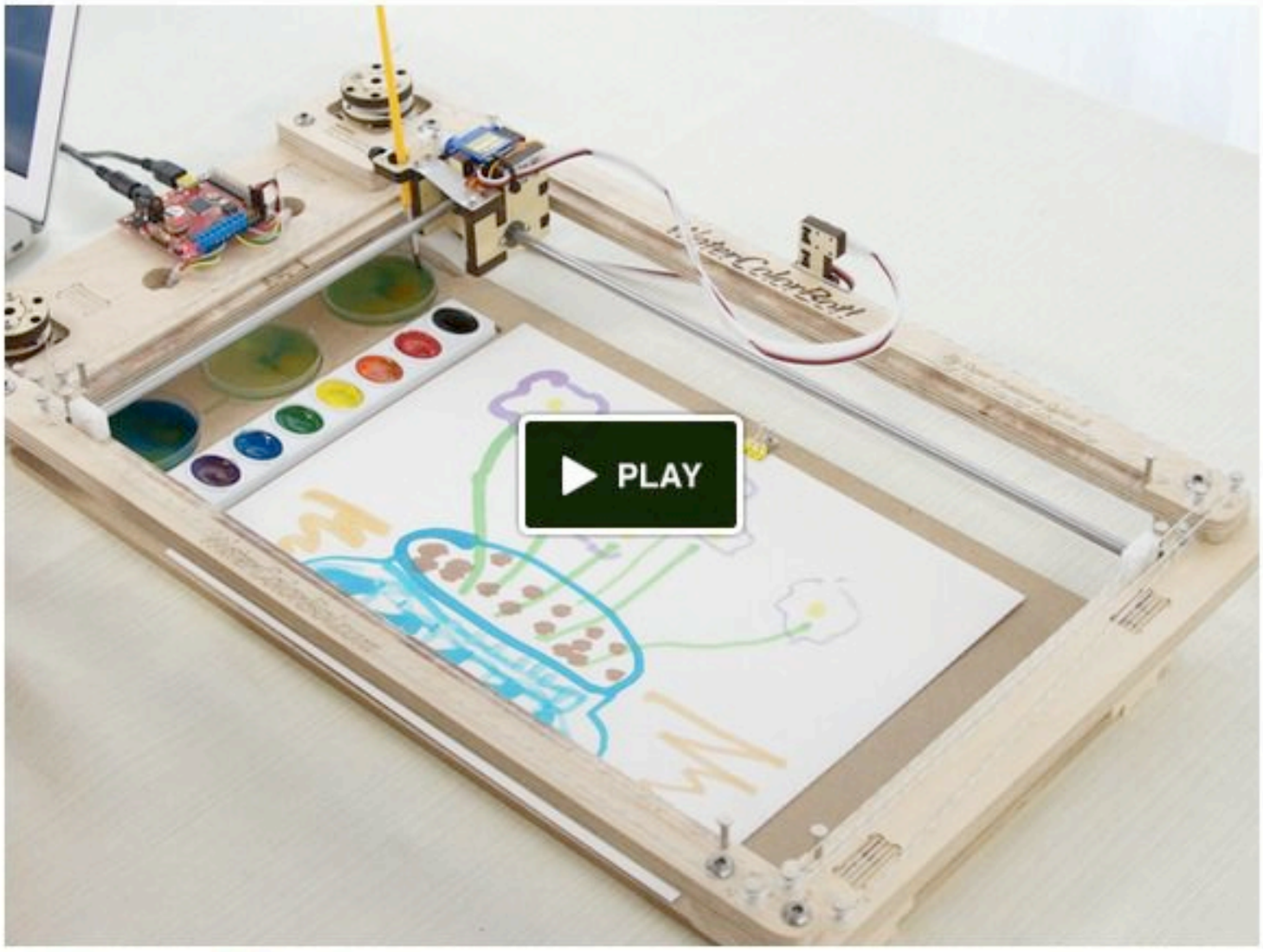
SYLVIA MOLDS AND CASTS WITH COMPOSIMOLD



Super Awesome Sylvia's WaterColorBot

by Evil Mad Scientist Laboratories

Funded! This project successfully raised its funding goal 4 days ago.



Share Tweet Embed Remind me

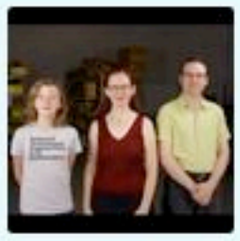
The Friendly and Educational Art Robot that Paints with Watercolors!

445
backers

$89,408
pledged of $50,000 goal

0
seconds to go

Funding period
Jul 16, 2013 - Aug 15, 2013 (30 days)



Project by
Evil Mad Scientist Laboratories
Sunnyvale, CA
Contact me

Passion

Purpose

Participation

Passion

Purpose

Participation

+

ACCESS

CHANGE

SCARCITY

ABUNDANCE

“THE CHANGE WE ARE IN THE MIDDLE OF ISN’T MINOR...AND IT ISN’T OPTIONAL.”
~Clay Shirky
NYU

ABUNDANCE

5 BILLION APP DOWNLOADS

2.5 BILLION PEOPLE

2 TRILLION WEBPAGES

5 YEARS OF YOUTUBE VIDEO PER MINUTE

EST. 1 BILLION PHOTOS UPLOADED EACH DAY 2014

5 YEARS OF ALL IP VIDEO PER SECOND

100,000 TWEETS PER MINUTE

12 BILLION INTERNET CONNECTED DEVICES BY 2015

tnw.co/17MVCYI

ABUNDANCE IS CHANGING:

MEDIA

POLITICS

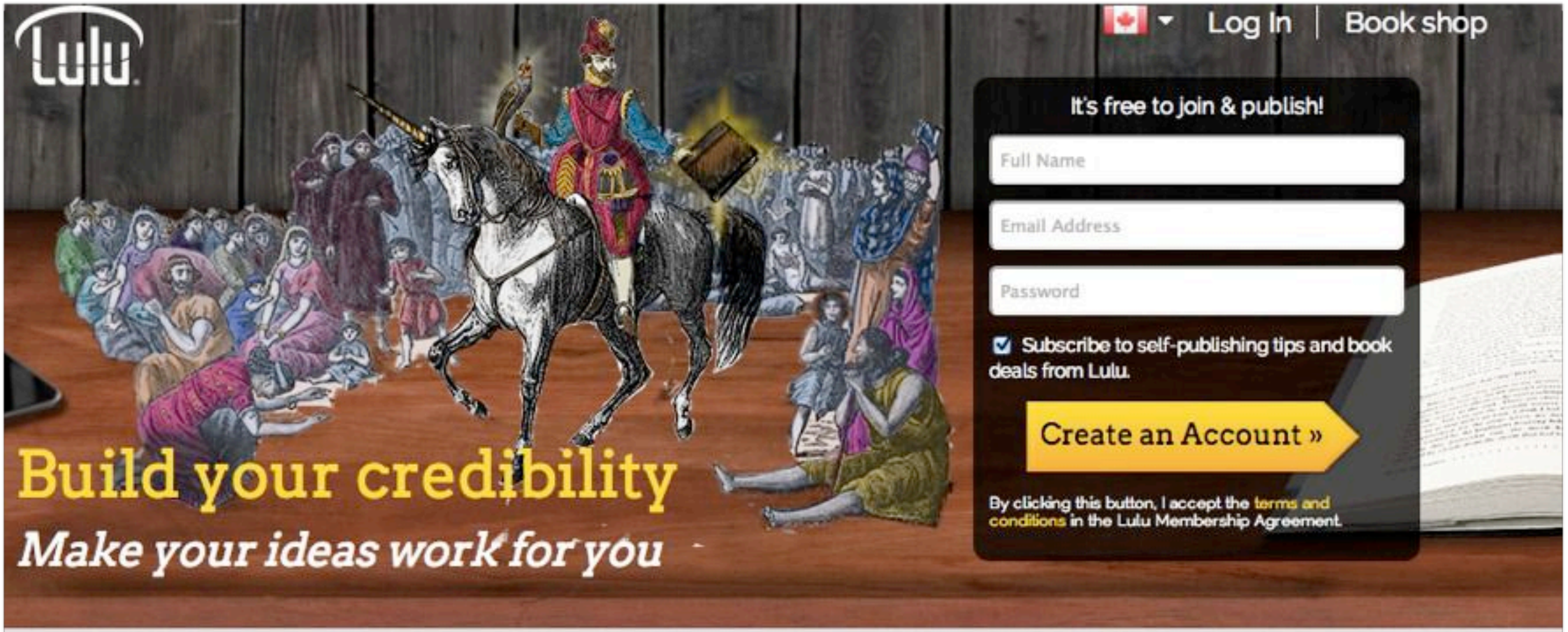
JOURNALISM

MEDICINE

BOOKS

BUSINESS

MUSIC



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The GPS integration can accurately measure how fast you are moving downthe slope.

Trip Viewer

Review your performance stats, like max speed, total vert and max air, in detail, run by run or for the whole day.

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Measure and track the number of jumps and airtime.

Vertical

Measure your vertical feet by run, by day and over the course of the season.

Navigation

Pinpoint your location on a resort map, find the run or point-of-interest you're looking for.

Buddy Tracking

Locate and track friends that have the Oakley Airwave goggle or App on their smartphone.

Music

Music control gives full control of what you hear as you ski or board.

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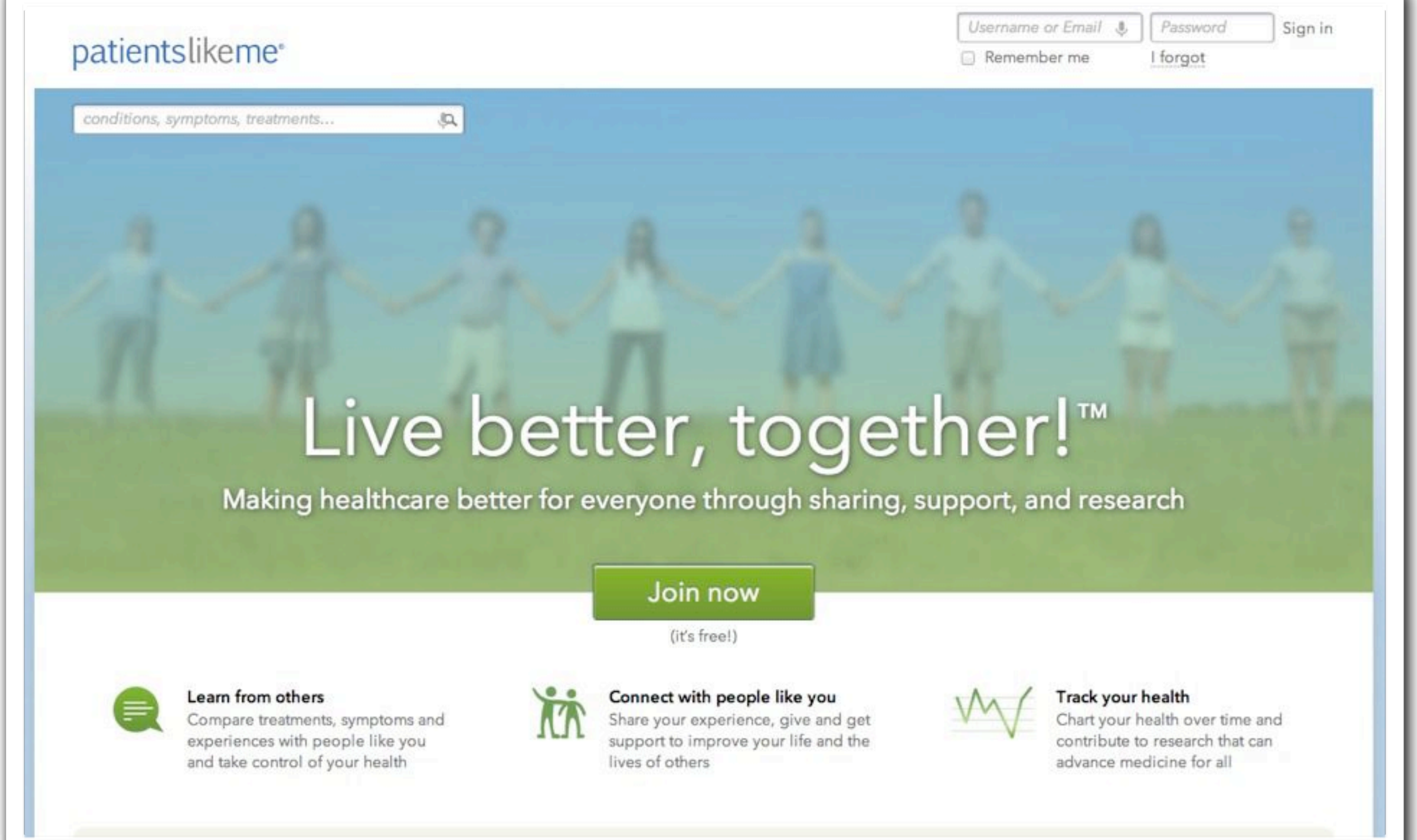
View incoming calls and text messages. Low Energy Bluetooth connectivity allows the goggle to interface with your smartphone, heart rate monitor and more. Compatible with both Apple® and Android® operating systems**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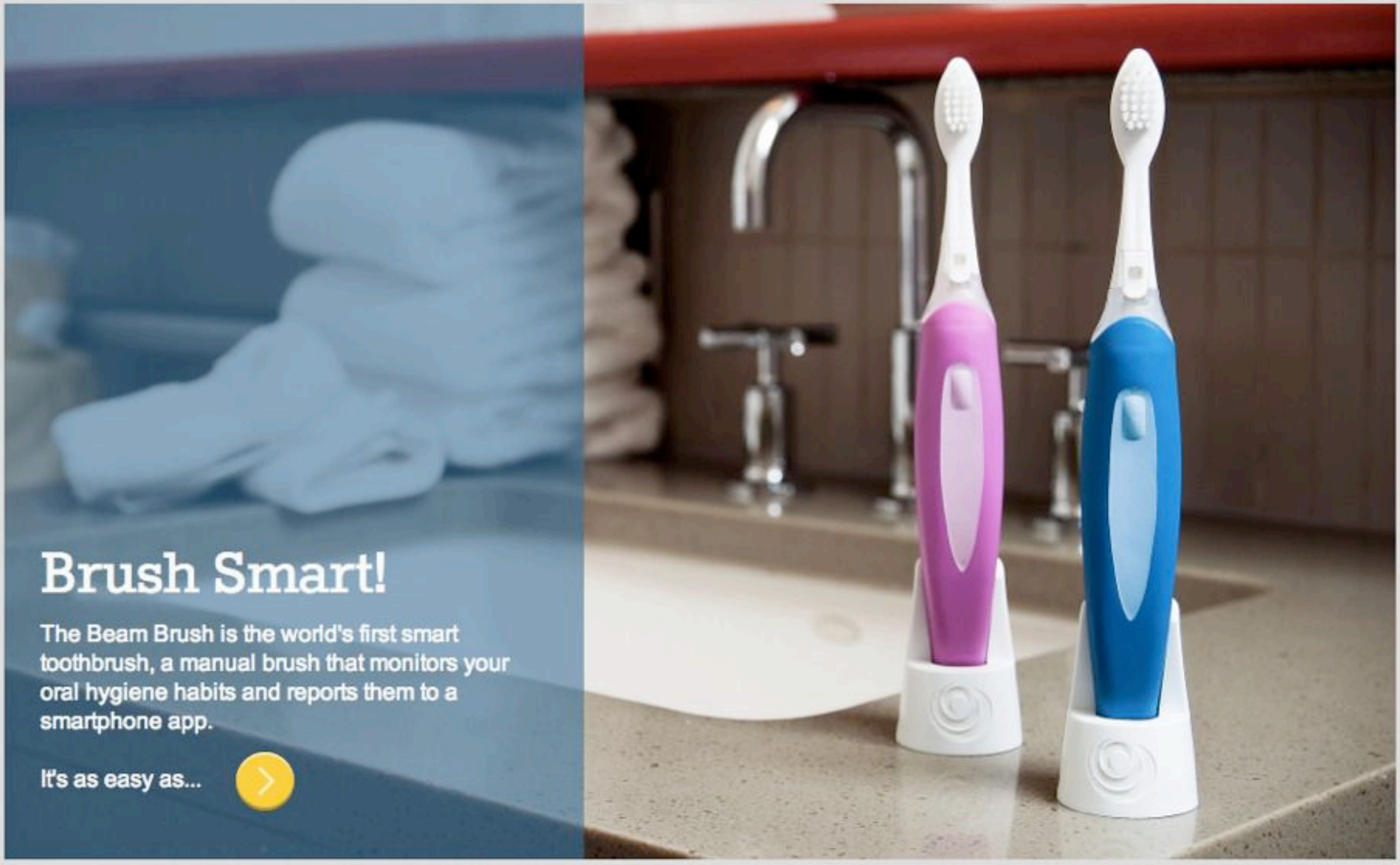

Brush Smart!

The Beam Brush is the world's first smart toothbrush, a manual brush that monitors your oral hygiene habits and reports them to a smartphone app.

It's as easy as...

In a

LEARNING

context...

bit.ly/14mOPof

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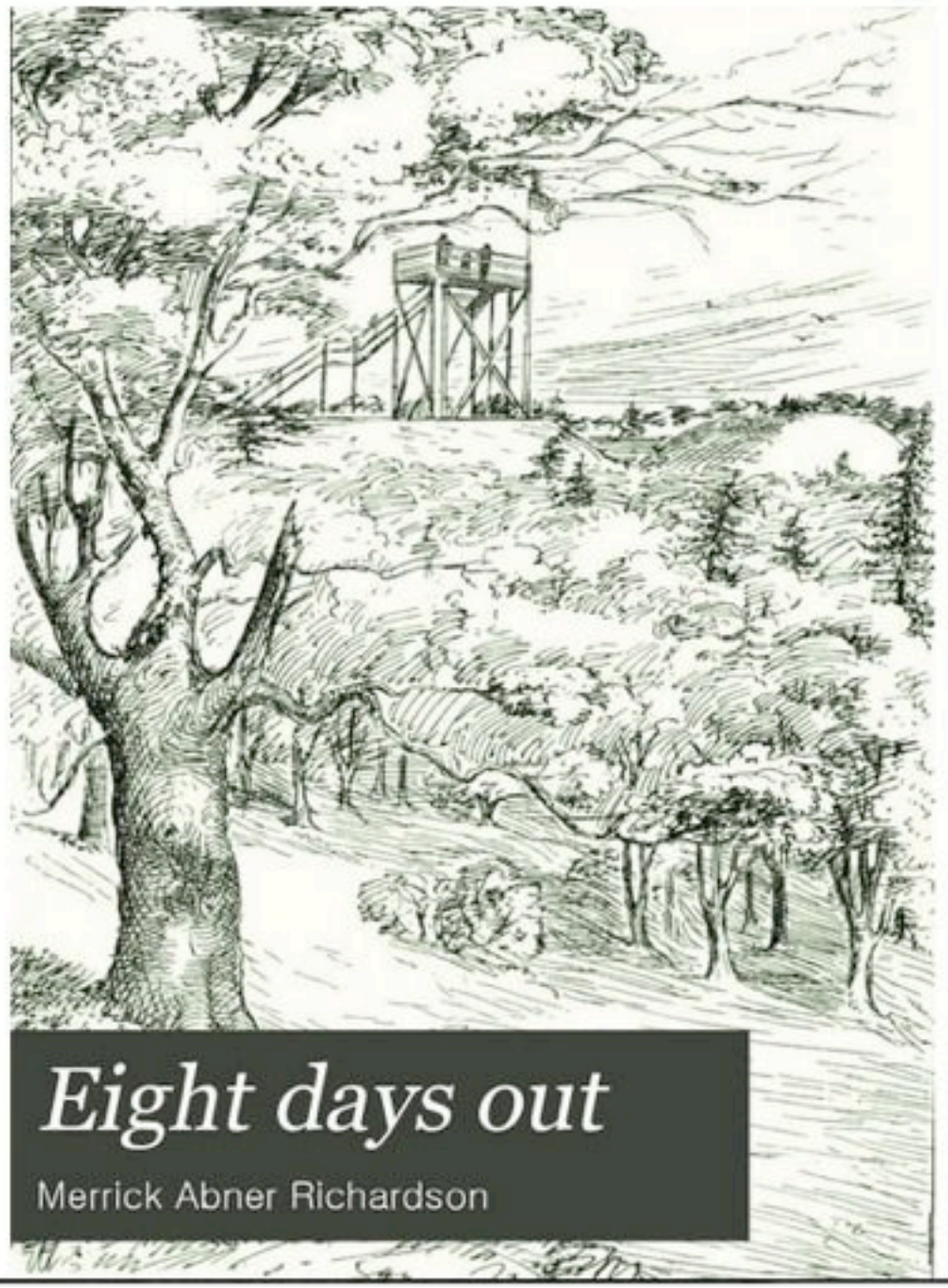

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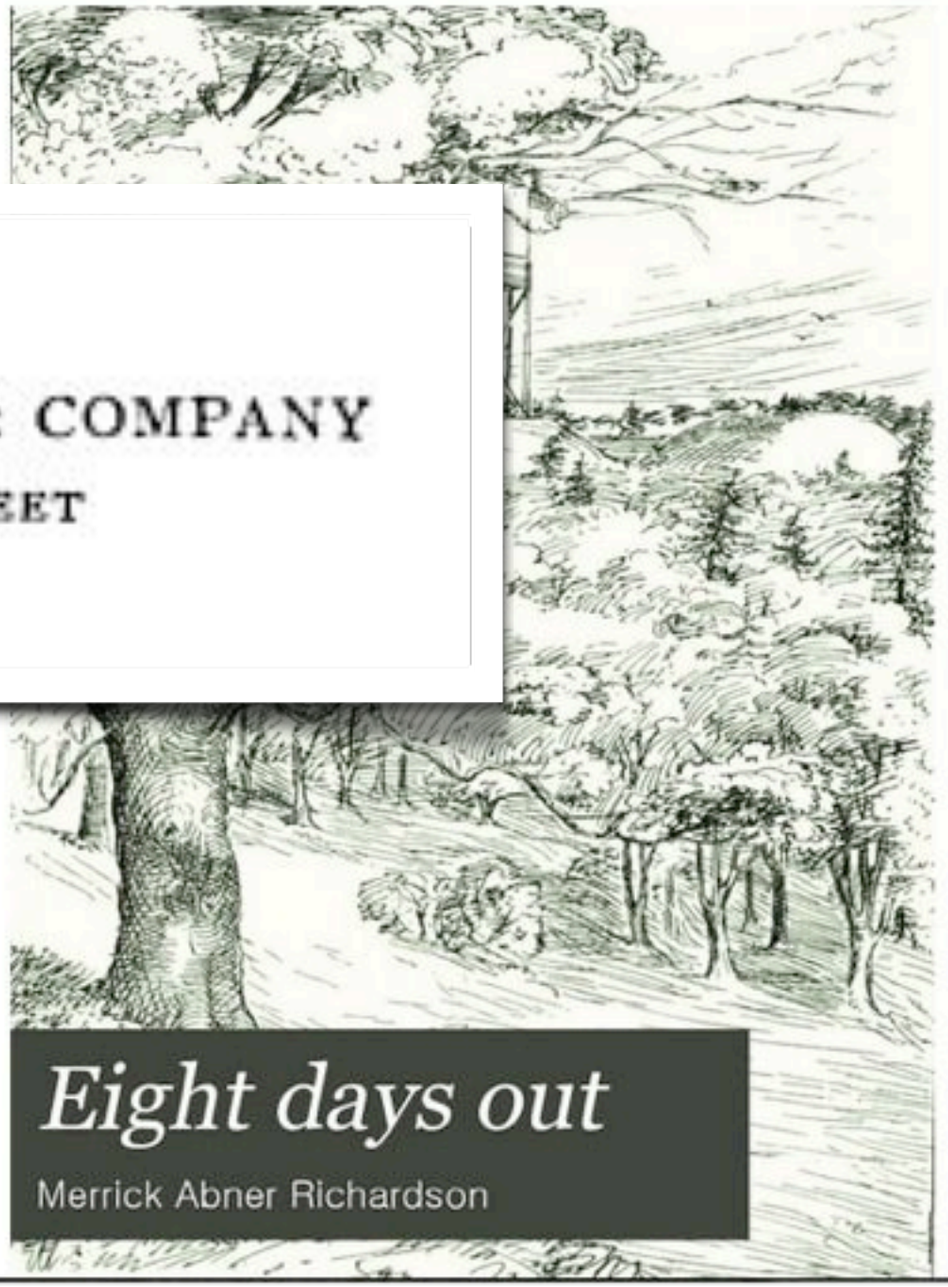
1895



Siding With Google, Judge Says Book Search Does Not Infringe Copyright

Todd Heisler/The New York Times

Judge Denny Chin said in his ruling that Google's project did not replace books. "Indeed, all society benefits," he said.

By CLAIRE CAIN MILLER and JULIE BOSMAN
Published: November 14, 2013

Google's idea to scan millions of books and make them searchable online seemed audacious when it was announced in 2004. But fast-forward to today, when people expect to find almost anything they want online, and the plan seems like an unsurprising and unavoidable part of today's Internet.

So when a judge on Thursday dismissed a lawsuit that authors had filed against Google after countless delays, it had the whiff of inevitability.

Documents in the Case

Amicus Brief

FACEBOOK
TWITTER
GOOGLE+
SAVE
E-MAIL
SHARE
PRINT
REPRINTS

ERIC
[sic!]
(RED)

tnw.co/17MVCYI

Abundance is

ALREADY HERE.

Abundance is

ALREADY HERE.

(It's just not evenly distributed.)

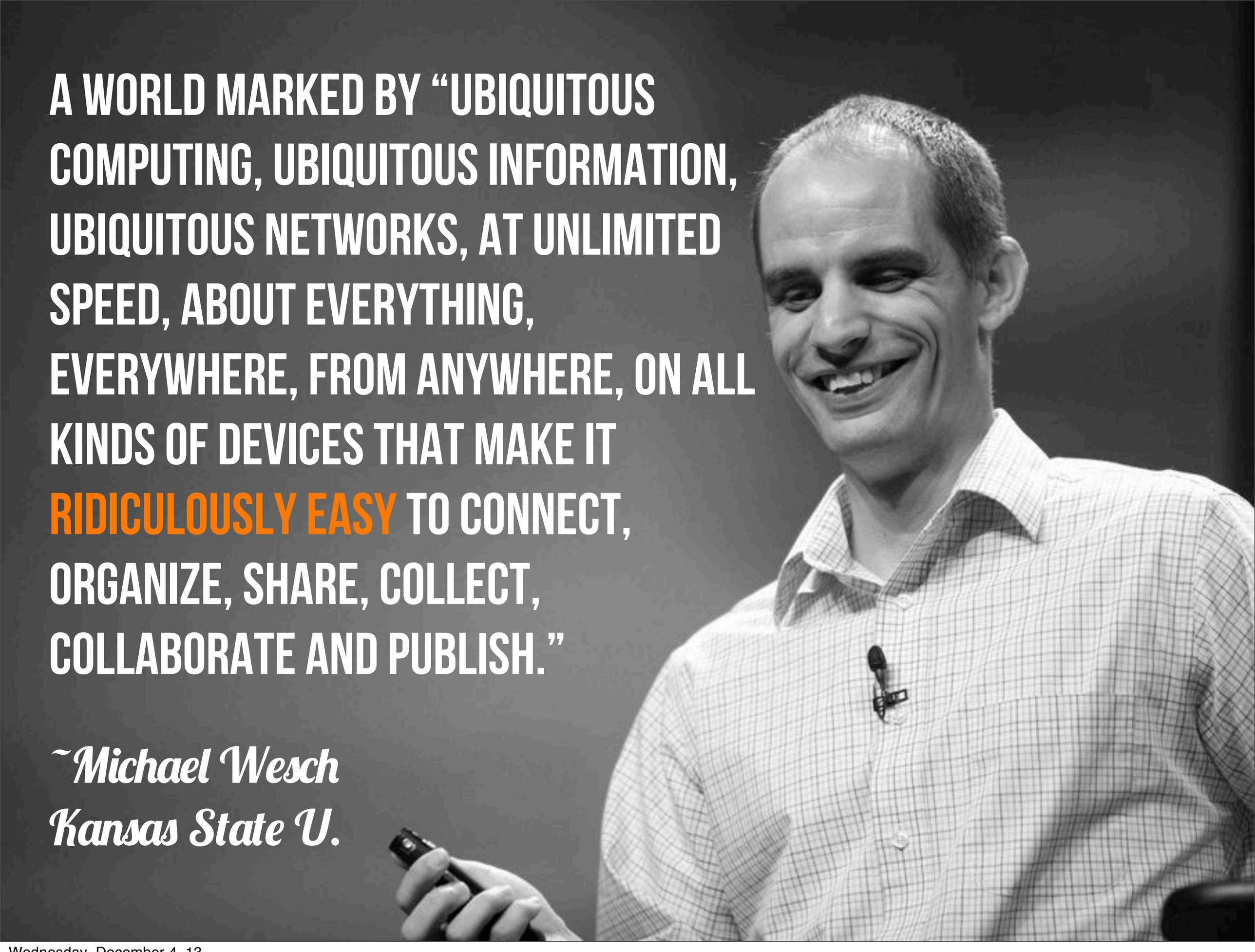
Abundance is

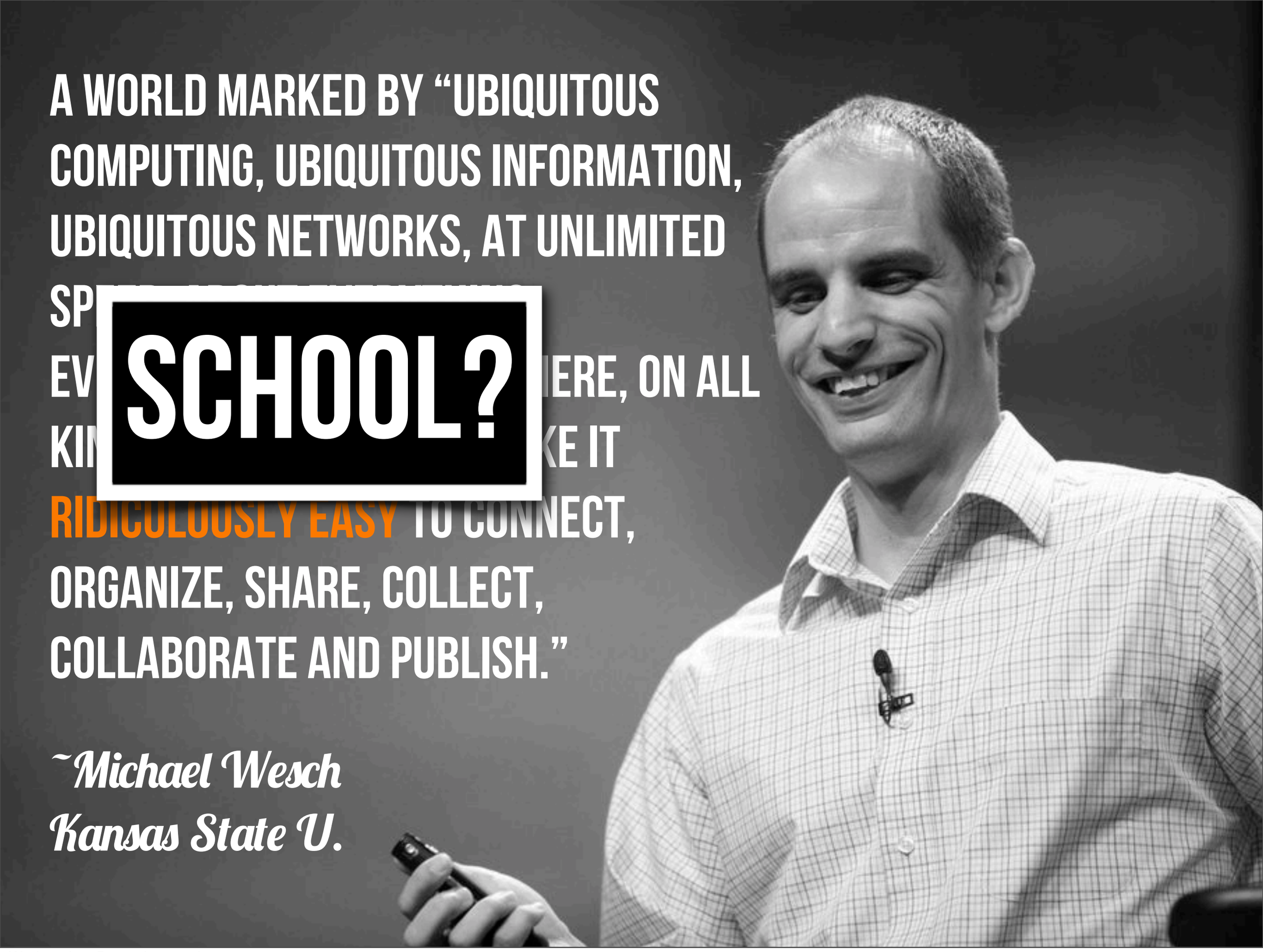
ALREADY HERE.

(It's just not evenly distributed.)
(And that's a problem.)

A WORLD MARKED BY “UBIQUITOUS COMPUTING, UBIQUITOUS INFORMATION, UBIQUITOUS NETWORKS, AT UNLIMITED SPEED, ABOUT EVERYTHING, EVERYWHERE, FROM ANYWHERE, ON ALL KINDS OF DEVICES THAT MAKE IT **RIDICULOUSLY EASY** TO CONNECT, ORGANIZE, SHARE, COLLECT, COLLABORATE AND PUBLISH.”

~Michael Wesch
Kansas State U.

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RIDICULOUSLY EASY TO CONNECT, ORGANIZE, SHARE, COLLECT, COLLABORATE AND PUBLISH."
~Michael Wesch
Kansas State U.

IN EDUCATION:

A Clash of Contexts

TRADITIONAL LEARNING

(Politicians, Parents, Communities, Educators)

TRADITIONAL LEARNING

(Politicians, Parents, Communities, Educators)

VS

(Kids with Access, Connected, Networked Learners)

MODERN LEARNING

TRADITIONAL LEARNING

Delivery

VS

MODERN LEARNING

TRADITIONAL LEARNING

Delivery

VS

Discovery

MODERN LEARNING

TRADITIONAL LEARNING

What you want me to learn.

VS

MODERN LEARNING

TRADITIONAL LEARNING

What you want me to learn.

VS

What I want to learn.

MODERN LEARNING

TRADITIONAL LEARNING

Time and place

VS

MODERN LEARNING

TRADITIONAL LEARNING

Time and place

VS

Anytime, anywhere, anyone

MODERN LEARNING

TRADITIONAL LEARNING

Just in case

VS

MODERN LEARNING

TRADITIONAL LEARNING

Just in case

VS

Just in time

MODERN LEARNING

NEW REALITY

Information, knowledge and teachers are in

ABUNDANT SUPPLY

and ubiquitous.

The supply of knowledge and information and teachers is

EXPANDING AND CHANGING

at a rate like never before.

WE CANNOT PREDICT

the impacts of technological advances on the future of learning and work.

A wide range of

NEW SKILLS AND LITERACIES

will be required to navigate the future.

INFORMATION, KNOWLEDGE AND TEACHERS ARE IN ABUNDANT SUPPLY AND UBIQUITOUS.

THE SUPPLY OF KNOWLEDGE AND INFORMATION AND TEACHERS IS EXPANDING AND CHANGING AT A RATE NEVER BEFORE.

THIS IS NOT THE WORLD "SCHOOL" WAS BUILT FOR.

WE CANNOT PREDICT THE IMPACTS OF TECHNOLOGICAL ADVANCE ON THE FUTURE OF LEARNING AND WORK.

A WIDE RANGE OF NEW SKILLS AND LITERACIES WILL BE REQUIRED TO NAVIGATE THE FUTURE.

INFORMATION, KNOWLEDGE AND TEACHERS ARE IN ABUNDANT SUPPLY AND UBIQUITOUS.

THE SUPPLY OF KNOWLEDGE AND INFORMATION AND TEACHERS IS EXPANDING AND CHANGING AT A RATE NEVER BEFORE.

THE OUTCOMES HAVE CHANGED.

WE CANNOT PREDICT THE IMPACTS OF TECHNOLOGICAL ADVANCES ON THE FUTURE OF LEARNING AND WORK.

A WIDE RANGE OF NEW SKILLS AND LITERACIES WILL BE REQUIRED TO NAVIGATE THE FUTURE.

INFORMATION, KNOWLEDGE AND TEACHERS ARE IN ABUNDANT SUPPLY AND UBIQUITOUS.

THE SUPPLY OF KNOWLEDGE AND INFORMATI
TEACHERS IS EXPANDING AND CHAN
NEVER BEFORE.

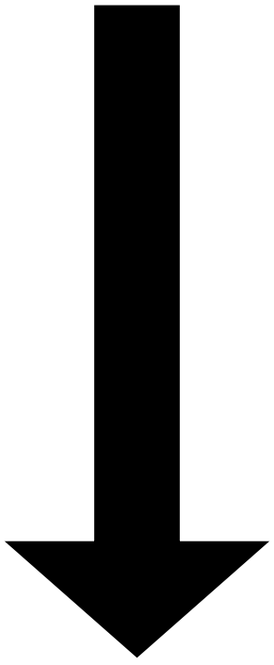
WE CA OF TECHNOLOGICAL
RE OF LEARNING AND WORK.

A BE RANGE OF NEW SKILLS AND LITERACIES WILL BE REQUIRED TO NAVIGATE THE FUTURE.

NOW, OUR PERSONAL HISTORIES AROUND EDUCATION ARE INCREASINGLY PROBLEMATIC.

The KEY Shift:

INSTITUTIONALLY ORGANIZED WORLD



Self-Organized World

REMEMBER WHEN WE NEEDED...

...A TRAVEL AGENT TO BOOK OUR FLIGHTS?

...A DEALER TO BUY OR SELL A CAR?

...A BROKER TO BUY STOCK?

...A PUBLISHER TO WRITE A BOOK?

...A JOURNALIST TO REPORT THE NEWS?

THE KEY Shift:

(in education)

bit.ly/1btUdKy

FROM AN INSTITUTIONALLY ORGANIZED EDUCATION...

bit.ly/1btUdKy

REMEMBER WHEN WE NEEDED...

...A TRAVEL AGENT TO BOOK OUR FLIGHTS?

...A DEALER TO BUY OR SELL A CAR?

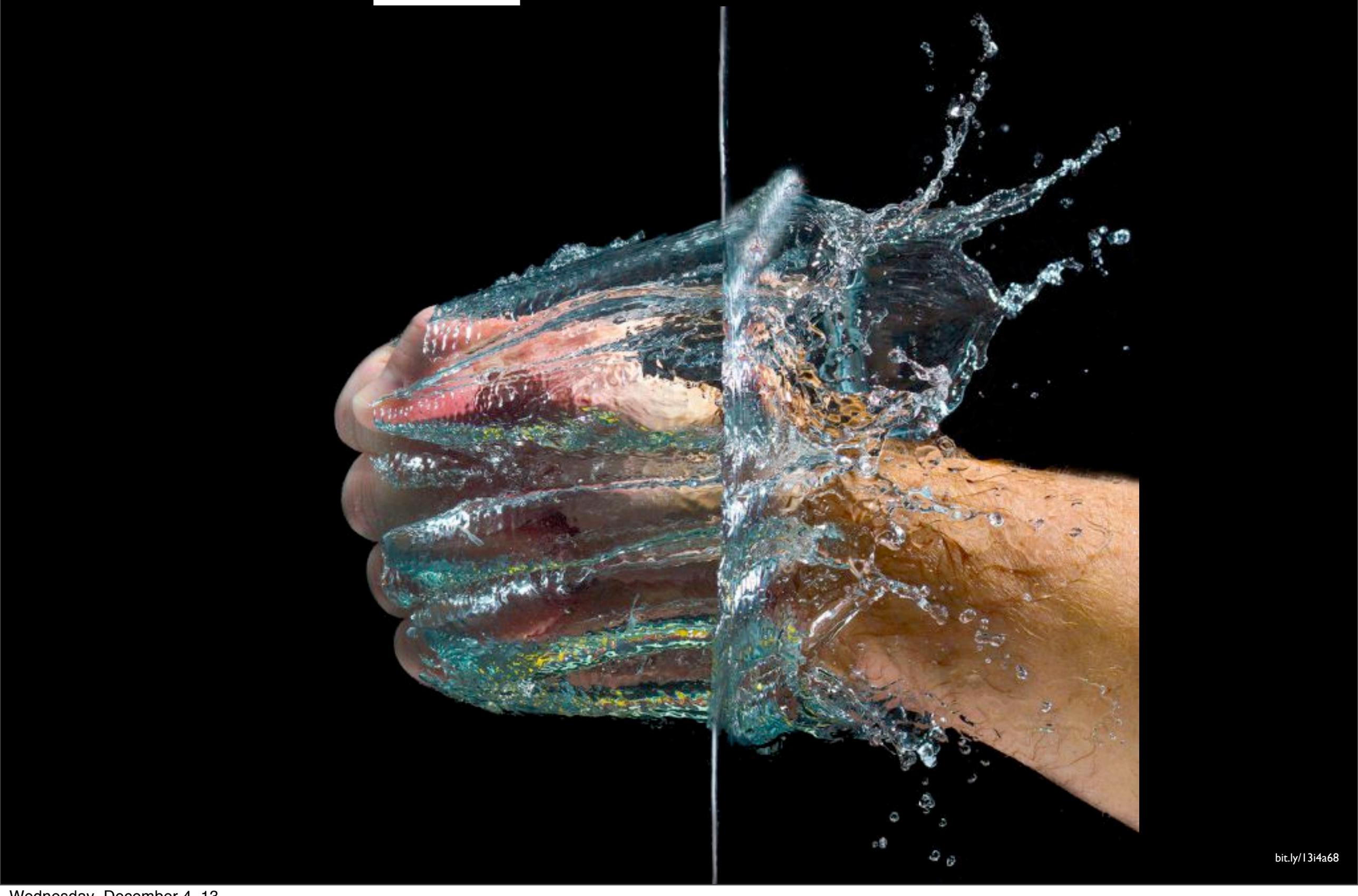
...A BROKER TO BUY STOCK?

...A PUBLISHER TO WRITE A BOOK?

...A JOURNALIST TO REPORT THE NEWS?

...a school to learn algebra?

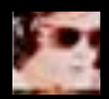
THE DISRUPTION



bit.ly/13i4a68

bit.ly/14mOPof

ERIC
[sic!]
(RED)



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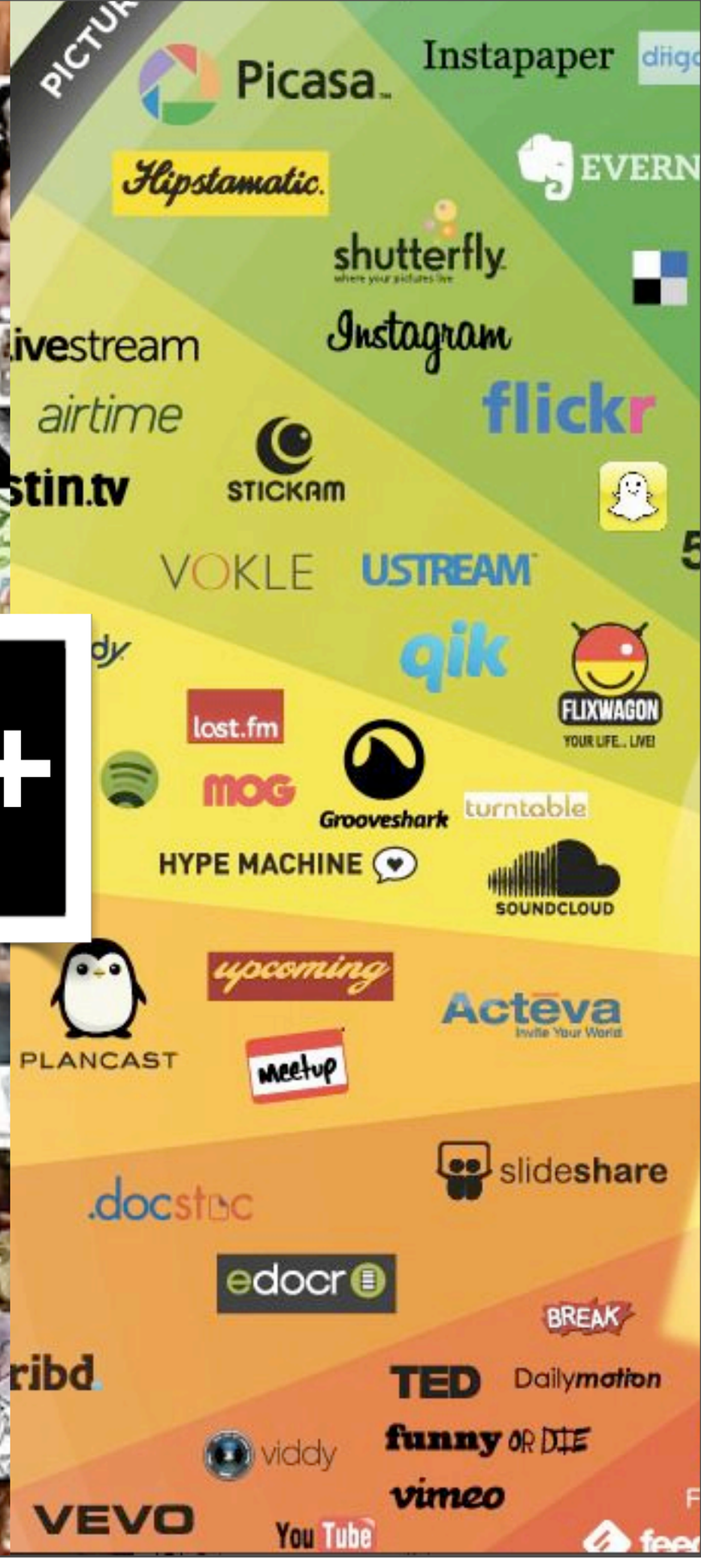
bit.ly/14mOPof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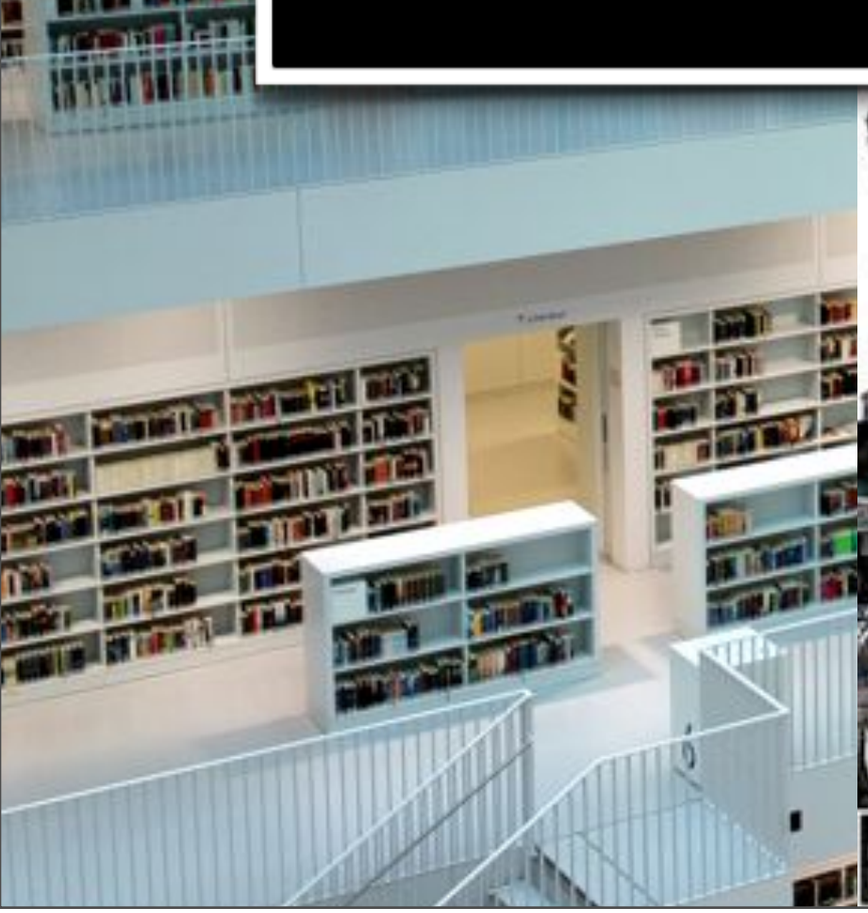
YOUR LIFE... LIVE!
lost.fm
MOG
Grooveshark
turntable
HYPE MACHINE
SOUNDCLOUD
upcoming
Acteva
PLANCAST
Meetup
slideshare
edocr
BREAK
TED
Dailymotion
funny OR DIE
viddy
vimeo
VEVO
YouTube

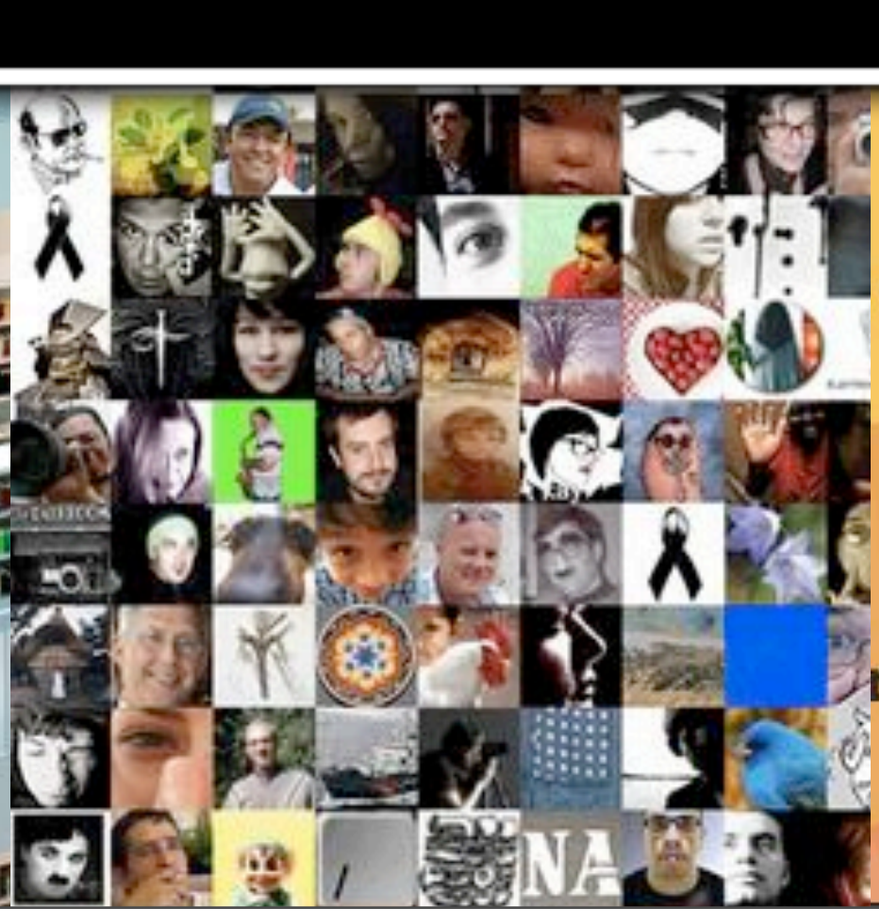
THIS SHOULD SERIOUSLY CONFUSE US.

WHAT IS AN "EDUCATION?"

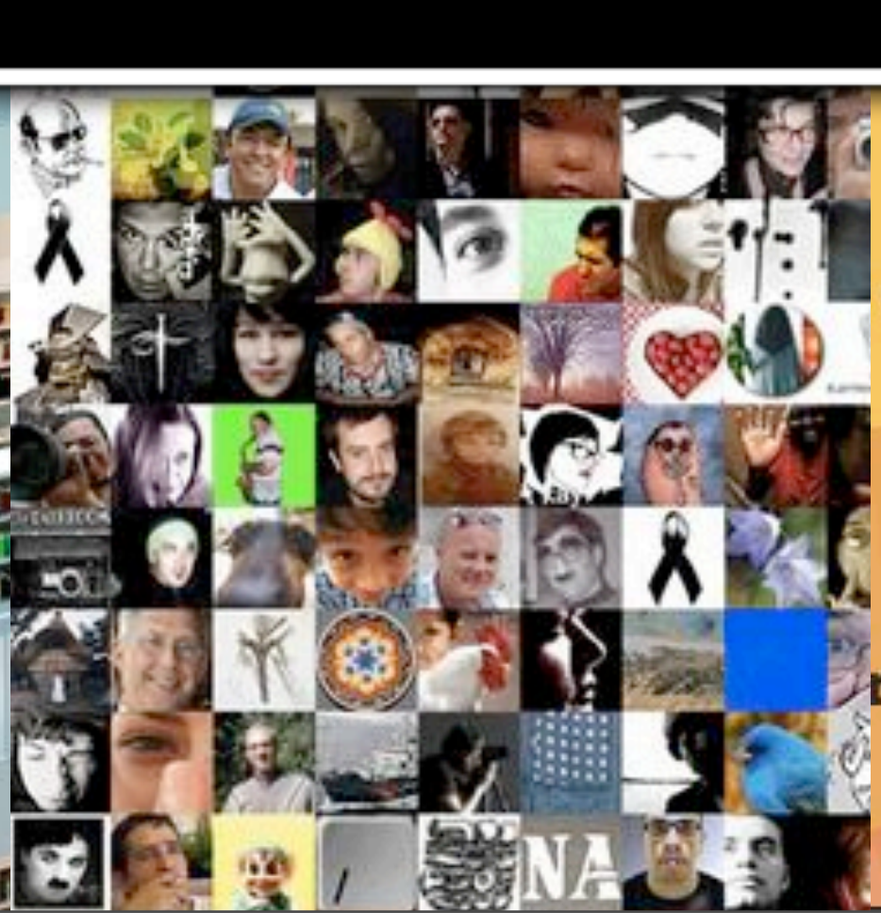
WHAT IS "LITERACY?"

WHAT IS THE ROLE OF SCHOOL?

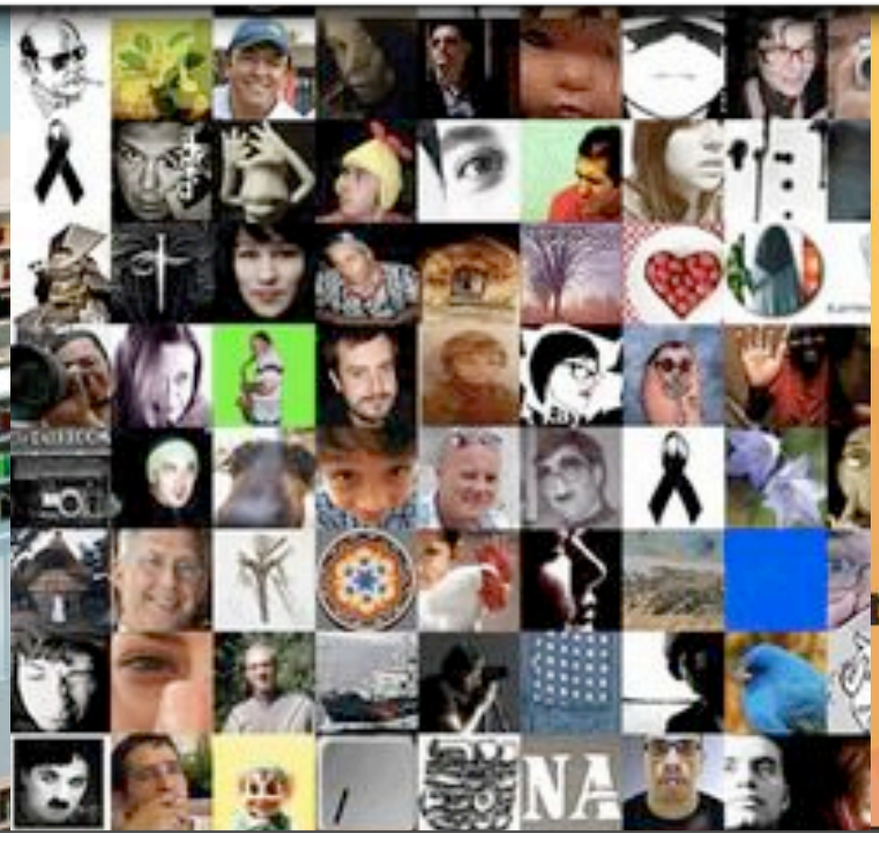




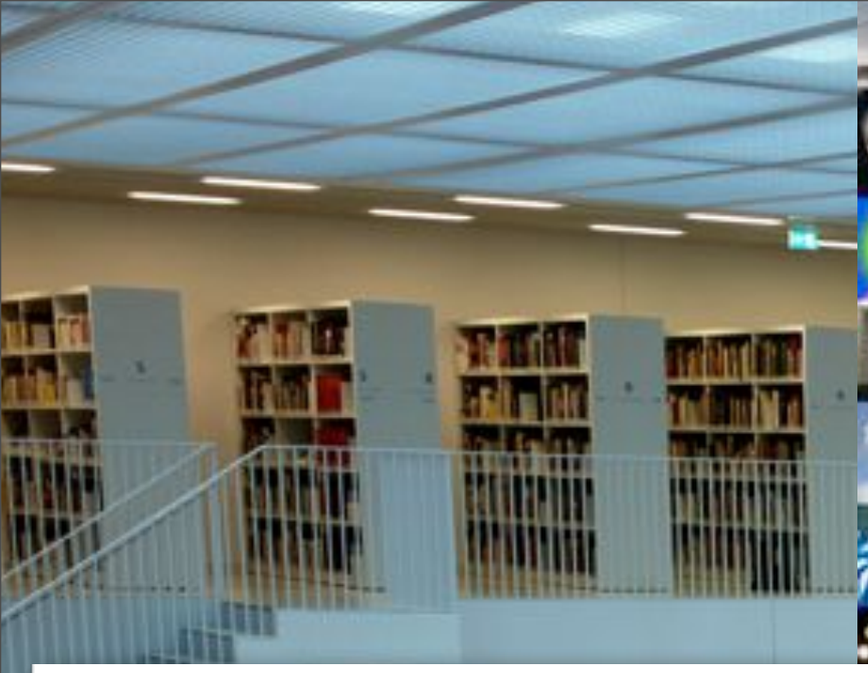
WHAT IS THE ROLE OF A TEACHER?



WHAT DO WE ASSESS?

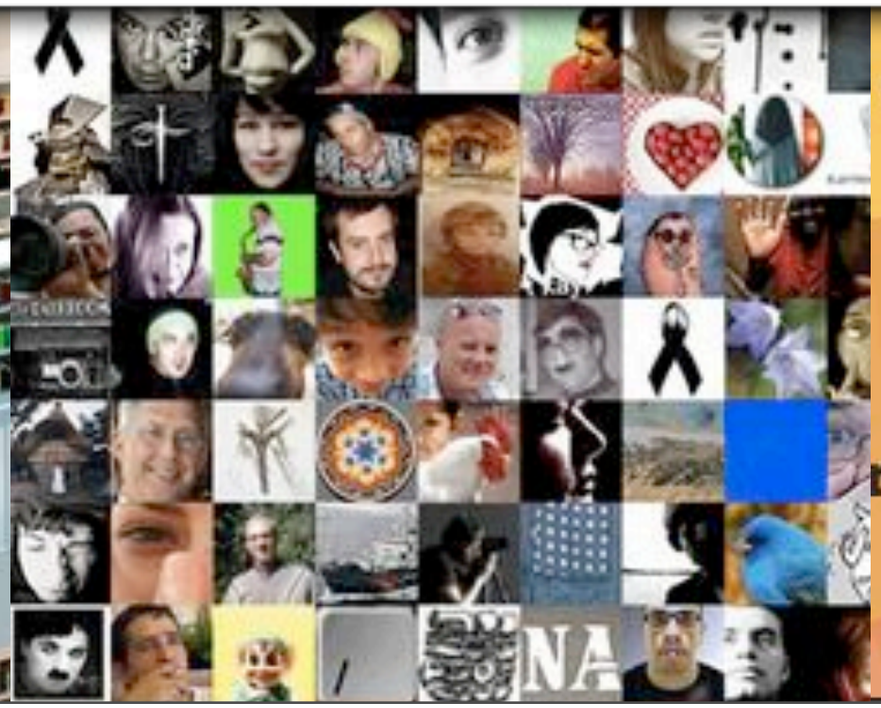


AND MOST IMPORTANTLY...



WHAT DO OUR KIDS NOW NEED TO

"CULTIVATE LEARNER SUCCESS?"



IN AN ABUNDANT, SELF-ORGANIZED WORLD...

IN AN ABUNDANT, SELF-ORGANIZED WORLD...

...*Learning is personal.*

All Comments (121)

Leave a comment.

TyGuy506 3 weeks ago

First you need to collect wood you find in the forest, and never use the same 2 types of wood for the spindle and fireboard. You also need to apply much more downward pressure on the spindle. A little thing that makes it a whole lot easier is to lock your hand around your knee and foot when applying pressure. Also try tightening your string a bit. foot placement on the board is perfect though.Good luck to you.

Reply ·

brandon saylor 9 months ago

first of all fire by friction can be hard to master but it is possible to have success.you need to have soft woods such as popular basswood etc CEDAR is best from my exsperence. the bow can be made of anywood but hadwoods work best like oak ash and hickory.Now the baring block wich is what you hold to keep the spindle from slipping is best to use the bottom of metal container or like i use a shot glass.and make sure to breath because some people get so worked up they forget.GOODLUCK

Reply ·

Bubbleboy0418 1 year ago

I agree with this but I also think your strokes were too short just like Qezart said you should use the full length. Try making a set from scratch, but great shot and enthusiasm, you'll get it for sure.

Reply · in reply to QuiChiYang2 (Show the comment)

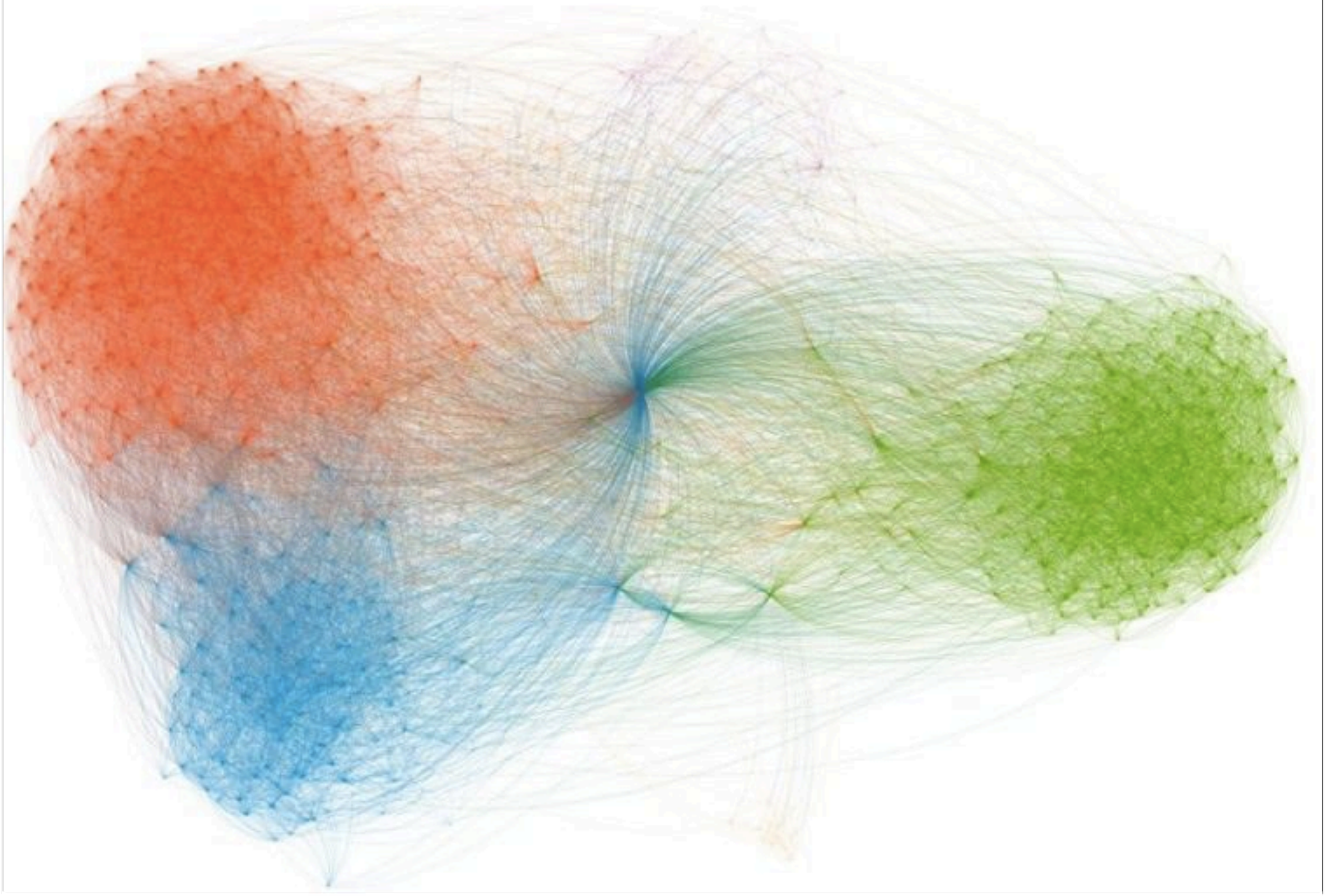
“IT’S NOT ABOUT MAKING LEARNING HAPPEN; IT’S ABOUT LETTING LEARNING HAPPEN.”

~Sugata Mitra

$1 Million TED Prize Winner

IN AN ABUNDANT, SELF-ORGANIZED WORLD...

...*Learning is globally networked.*



IN AN ABUNDANT, SELF-ORGANIZED WORLD...

...Learning is continual.

TweetDeck v0.38.1

From:

What's happening?

DRAG MEDIA AND LINKS HERE

All Friends

@mbteach #edtech. She pulled a quote from Edutopia.

6583

baldy7, [+] Tue 03 Jul 17:26 via Echofon in reply to...

@wmchamberlain social networking grows from a base-node. Your classroom is the start

6005

irasocol, [+] Tue 03 Jul 17:25 via UberSocial for Android in r

RT @seomraranga Great video from @7MJB & @MrsBellsClasson using Web 2.0 in infant classroom vimeo.com/42836291 #edchatie #edchat

6005

irasocol, [+] Tue 03 Jul 17:23 via UberSocial for Android

@om re wsj, that's worth a blog post with more detail...

20816

dangillmor, [+] Tue 03 Jul 17:23 via Seesmic in reply to...

@charlesarthur If God had a sense of humor it'd be 31.4159%

97068

Mentions

@willrich45 my classroom is my network, true #seewhatididthere

5099

wmchamberlain, [+] Tue 03 Jul 17:22 via TweetDeck in repl

"True openness requires data to be not only accessible, but also intelligible, assessable and reusable." bit.ly/L2AxC1 #scichat

26207

willrich45, (RT by lisaradha), [+] Tue 03 Jul 16:36

@willrich45 I've reached the same conclusion - "post high school credential for all". Let them decide which one...with ample information.

398

farrisberg, [+] Tue 03 Jul 14:53 via web in reply to...

@farrisberg I like "post high school credential for all." See also Joe Nocera in today's NY Times: nyti.ms/R4umfe #edchat

26208

willrich45, (RT by farrisberg), [+] Tue 03 Jul 14:48 in reply to...

@willrich45 Teens interacting w/ B. Symonds (Harvard GSE) re: varying pathways to prosperity & college for all culture. citizing.org/projects/ssoac…

398

Search: #edreform

Well Said: "For Teachers, Why Does 'Moving Up' Mean 'Moving Out'?" - http://t.co/144RdD6 #edchat #isedchat #edreform

2951

MikeGwaltney, [+] Tue 03 Jul 17:22 via TweetDeck

Un-Education: Where We Went Wrong http://t.co/ClyAqFRZ @mikemyatt #EdReform #EdPolicy #EdChat

ChoiceMediaTV, [+] Tue 03 Jul 17:18 via Buffer

RT @ShellTerrell: The Importance of Student Voice: Response to Diane Ravitch http://t.co/1OwruF2G #edreform #edchat #education (right link)

RebuffetBroadus, [+] Tue 03 Jul 17:15 via HootSuite

RT @SchoolChoiceNow: Parents Know Best! Why? Our senior advisor @kevinpchavous explains why: http://t.co/fnCNs82F #schoolchoice #edreform

ThomasCarrollNY, [+] Tue 03 Jul 17:13 via web

RT @EducationNext: #Teacher Evaluation Outside the One-Teacher-One-Classroom Model http://t.co/dpsEV9pa #edreform

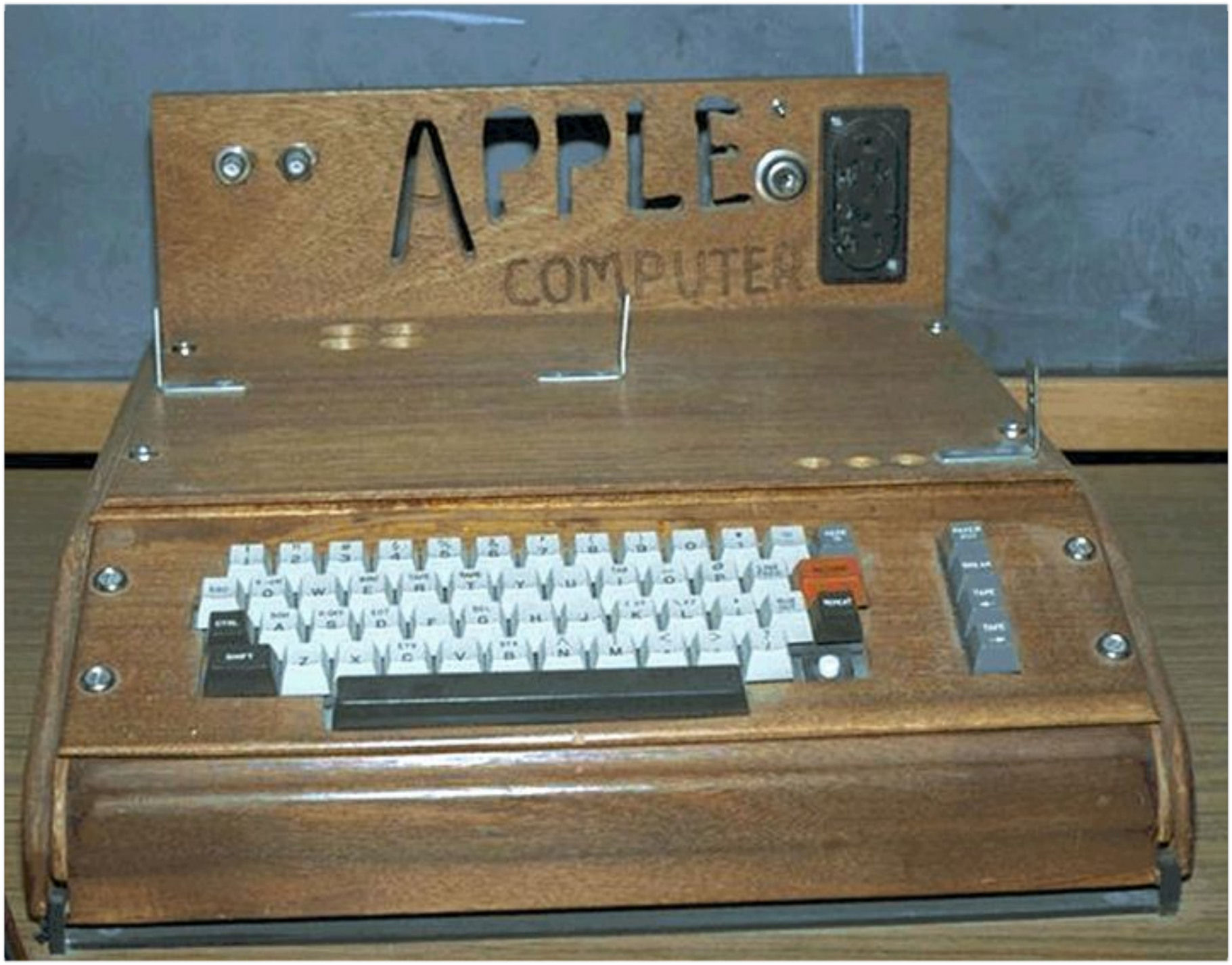
Top "Learning" Tools 2012

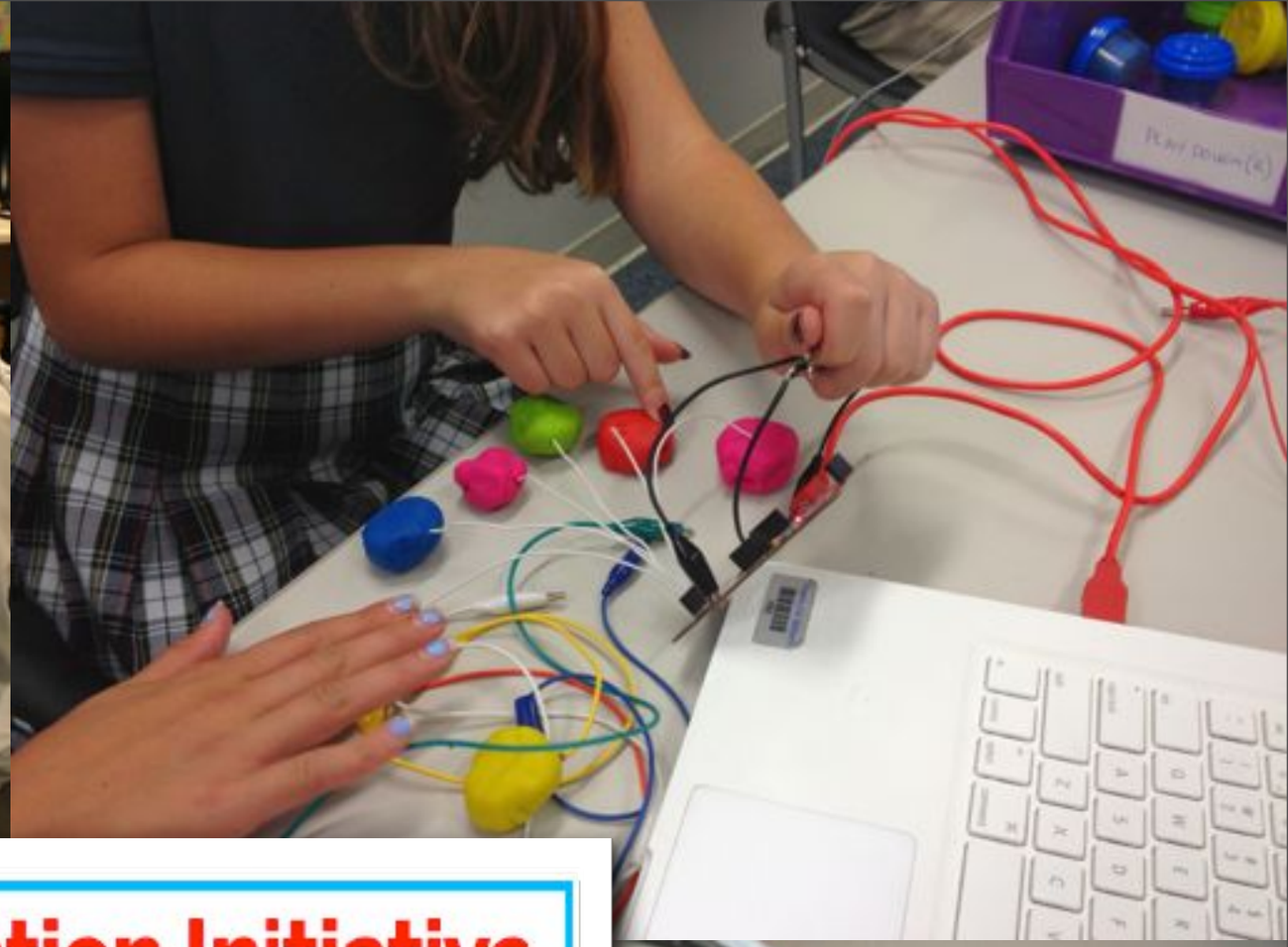
UP/DOWN since 2011	rank	TOOL	Notes	Pers/ Prof	Edu	Ent
=	1	Twitter	Social network & micro-blogging service	x	x	
=	2	YouTube	Video-sharing site	x	x	
=	3	Google Docs/Drive	Office suite and data storage service	x	x	(x)
UP 11	4	Google Search	Web search engine	x		
=	5	WordPress	Blogging/website tool	x	x	x
=	6	Dropbox	File synchronization	x	x	(x)
DOWN 3	7	Skype	Text and voice chat tool	x	x	(x)
UP 11	8	PowerPoint	Presentation software	x	x	x
UP 5	9	Facebook	Social network	x	x	
UP 1	10	Wikipedia	Collaborative encyclopaedia	x	(x)	
DOWN 1	11	Moodle	Course management system		x	(x)
UP 5	12	Evernote	Note-taking tool	x		
DOWN 4	13	Slideshare	Presentation hosting site	x	x	
DOWN 7	14	Prezi	Presentation software	x	x	
DOWN 3	15	Blogger/Blogspot	Blogging tool	x	x	
=	16	Google Reader	RSS Reader	x		
UP 9	17	Google+ / Hangouts	Social network/video meetings	x	x	
DOWN 5	18	Diigo	Social bookmarking/ annotation tool	x	x	
UP 23	19	Word	Word processing software	x	x	x
UP 11	20	Yammer	Private social networking engine	(x)	x	x

582 votes
http://c4lpt.co.uk/top100tools/

IN AN ABUNDANT, SELF-ORGANIZED WORLD...

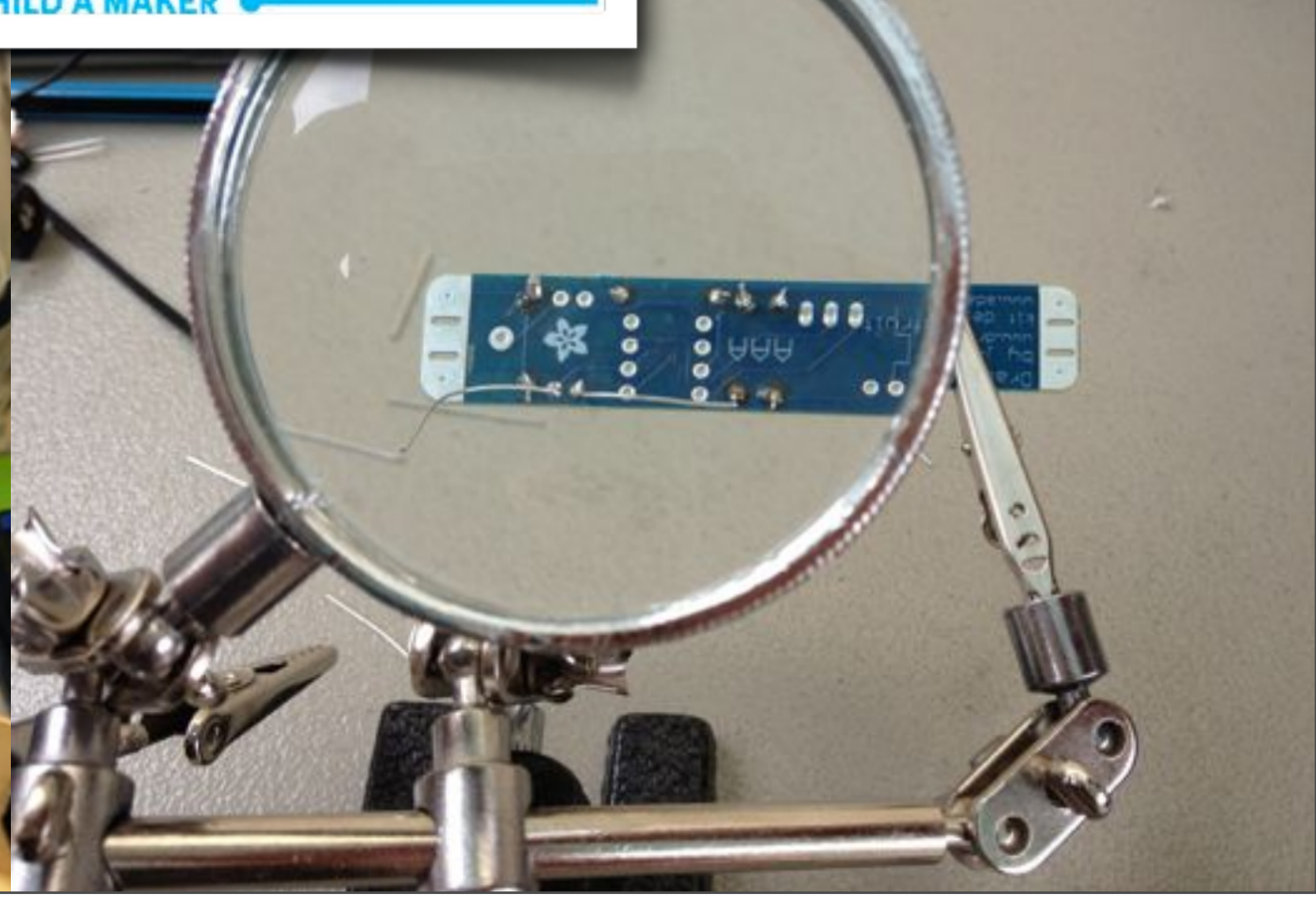
...Learning is create-ive and authentic.


APPLE
COMPUTER



Maker Education Initiative

EVERY CHILD A MAKER



MIT Welcomes Makers with New Maker Portfolio

By Dale Dougherty Posted 2013/08/16 @ 1:30 pm Category Education Comments 2

MIT's Assistant Director of Admissions, Dr. Dawn Wendell speaking at Maker Faire Bay Area this year.

The MIT Admissions Dept is making it possible for young makers to share their projects as part of the application process, starting this year. Dr. Dawn Wendell, Assistant Director of Admissions at MIT, said that a new Maker Portfolio supplement on the MIT Admissions web site will provide a structured way for students to submit information about a diverse set of projects that they have participated in.

"As we see students getting more involved in the Maker Movement, we wanted to give them a more formalized opportunity to tell us about that part of their life and why it's important to them, " said Dr. Wendell. MIT already has a supplemental application for Music and Research. Dr. Wendell said that MIT wants to attract students that are "already solving problems and building, playing and creating, engaging in projects that they love doing." She added that "not all successful students at MIT are makers,

Trending Shared Commented

// WHAT'S TRENDING

30 Great Projects Shared by our Maker Campers
By: Ken Denmead
Hits: 10752

21 Memes for Makers
By: Michael Colombo
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Seventeen Sneaky Secret Hides
By: Sean Michael Ragan
Hits: 4446

Raspberry PI Design Contest Slideshow
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How-To: $5 Mobile Phone Projector
By: Goli Mohammadi
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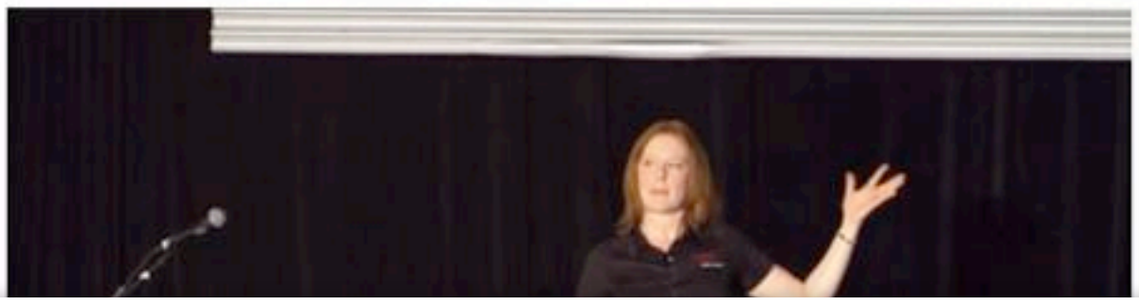

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Seventeen Sneaky Secret Hides
By: Sean Michael Ragan
Hits: 4446

Raspberry PI Design Contest Slideshow
By: Nick Normal
Hits: 4304

How-To: $5 Mobile Phone Projector
By: Goli Mohammadi
Hits: 2352

IN AN ABUNDANT, SELF-ORGANIZED WORLD...

...*literacy changes*

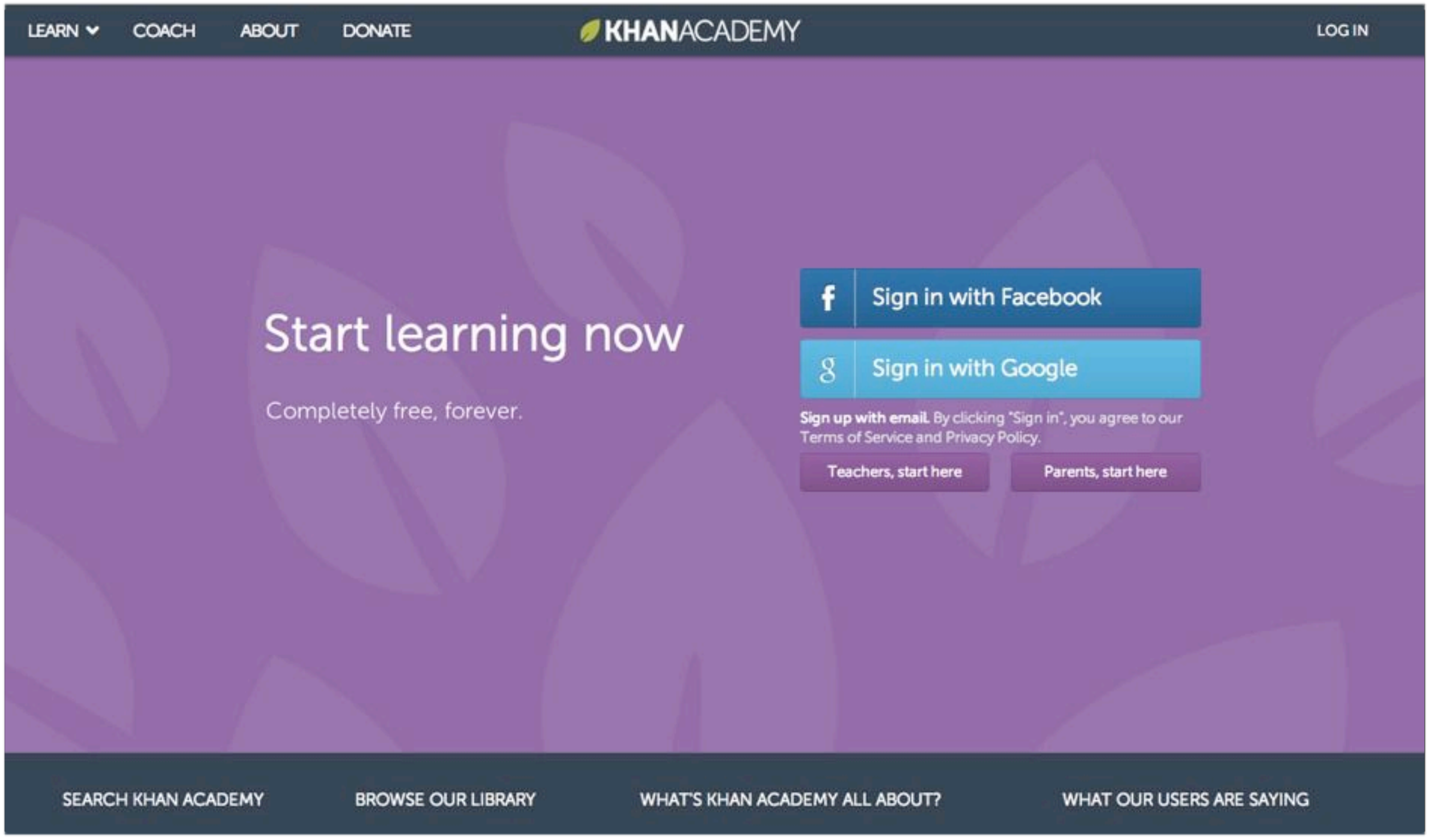
NCTE LITERACIES

- DEVELOP PROFICIENCY WITH THE TOOLS OF TECHNOLOGY
- BUILD RELATIONSHIPS WITH OTHERS TO POSE AND SOLVE PROBLEMS COLLABORATIVELY AND CROSS-CULTURALLY
- DESIGN AND SHARE INFORMATION FOR GLOBAL COMMUNITIES TO MEET A VARIETY OF PURPOSES
- MANAGE, ANALYZE AND SYNTHESIZE MULTIPLE STREAMS OF SIMULTANEOUS INFORMATION
- CREATE, CRITIQUE, ANALYZE, AND EVALUATE MULTI-MEDIA TEXTS
- ATTEND TO THE ETHICAL RESPONSIBILITIES REQUIRED BY THESE COMPLEX ENVIRONMENTS

bit.ly/nctelit

IN AN ABUNDANT, SELF-ORGANIZED WORLD...

...school is everywhere.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Math

Arithmetic and pre-algebra	Calculus	Applied math
Algebra	Probability and statistics	Recreational math
Geometry	Differential equations	Test prep
Trigonometry and precalculus	Linear algebra	Math contests

Science

Biology	Organic chemistry	Healthcare and medicine
Physics	Cosmology and astronomy	Discoveries and projects
Chemistry	Python programming	

Economics and finance

Microeconomics	Finance and capital markets	Entrepreneurship
Macroeconomics		

Humanities

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Partner content

Stanford School of Medicine	MIT+K12	LeBron asks
Crash Course		

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Learning Dashboard

ACCOMPLISHMENTS

Badges

Goals (beta)

VITAL STATISTICS

Activity

Focus

Skill Progress

COMMUNITY

Discussion

Programs

Coaches

Will » Badges

0 0 0 1 1 6

Challenge Patches | Black Hole Badges | Sun Badges | Earth Badges | Moon Badges | Meteorite Badges

Meteorite badges are common and easy to earn when just getting started.

Badges Earned

Challenge Accepted
Last achieved 4 minutes ago in The World of Math

Just Getting Started 100
Last achieved 4 minutes ago

Makes Perfect
Last achieved 4 minutes ago in The World of Math

Math Pretest Champion
Last achieved 6 minutes ago

Picking Up Steam 100
Last achieved 10 months ago in 1-digit addition

Cypress
Last achieved 2 years ago

Possible Badges

Picking Up Steam 100
Quickly & correctly answer 5 skill problems in a row (time limit depends on skill difficulty)

Just Getting Started 100
Achieve mastery in 3 unique skills

Inspiration 500
Another user created a program based on one of yours

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Will

Learning Dashboard

ACCOMPLISHMENTS

Badges

Goals (beta)

VITAL STATISTICS

Activity

Focus

Skill Progress

COMMUNITY

Discussion

Programs

Coaches

Will » Skill Progress

Shows which skills you've worked on and completed.

Str

Addition and subtraction

	Attempts	Correct	Progress
1-digit addition	1	100%	Mastered
2-digit addition	0	—	Mastered
1-digit subtraction	0	—	Level Two
2 and 3-digit subtraction	0	—	Level Two
Addition with carrying	0	—	Level Two
Addition and subtraction word problems	0	—	Practiced
4-digit addition with carrying	0	—	Level One
Subtraction with borrowing	0	—	Practiced
4-digit subtraction with borrowing	0	—	Practiced

Multiplication and division

	Attempts	Correct	Progress
Number line 1	0	—	Level Two
Multiplying 1-digit numbers	0	—	Mastered
Multiplying by multiples of 10	0	—	Mastered
Basic division	0	—	Level Two
Multiplication without carrying	0	—	Level Two
Multiplication with carrying	0	—	Practiced
1-digit division	0	—	Level Two
Multiplying 2 digits by 2 digits	0	—	Practiced
Multi-digit division without remainders	0	—	Practiced
Multi-digit multiplication	0	—	Practiced
Comparing with multiplication	0	—	Needs Practice

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All of the site's resources are available to anyone. It doesn't matter if you are a student, teacher, home-schooler, principal, adult returning to the classroom after 20 years, or a friendly alien just trying to get a leg up in earthly biology. Khan Academy's materials and resources are available to you completely free of charge.

WHAT IF HE'S RIGHT?

BOZEMANSCIENCE

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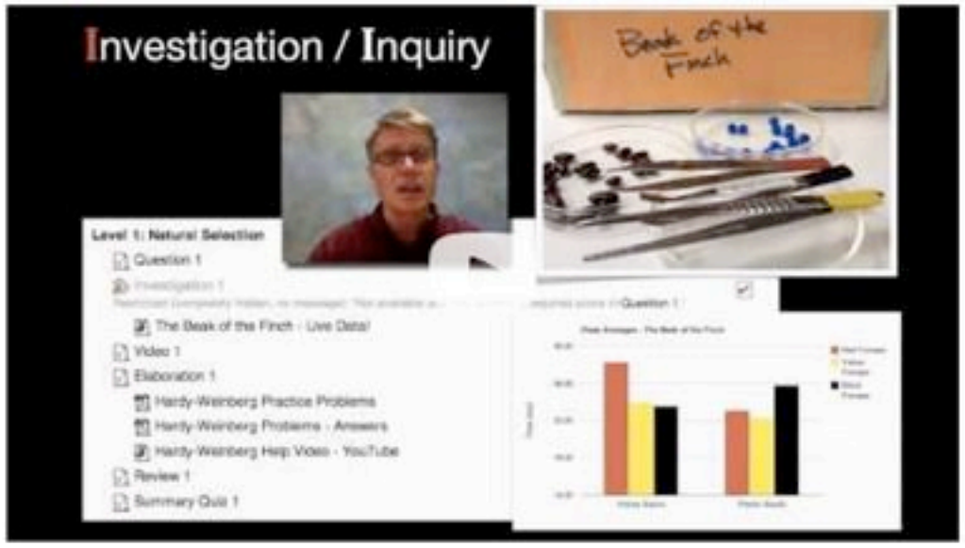
Featured Video

The blended learning cycle in Paul's science classroom following these steps: QUestion, Investigation/Inquiry, Video, Elaboration, Review and Summary Quiz.



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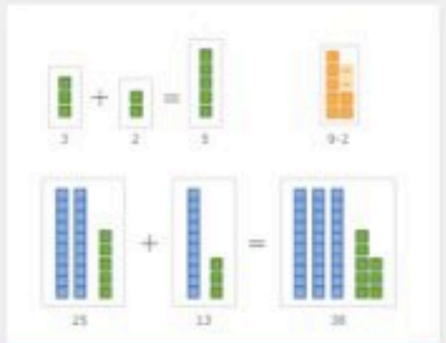
About

Bozemanscience is maintained by Paul Andersen, a science teacher in Bozeman, MT. He has created hundreds of science videos that have been viewed millions of times by students and teachers around the world. All of these videos are accessible from this website. Click any of the links to view videos within specific content areas.

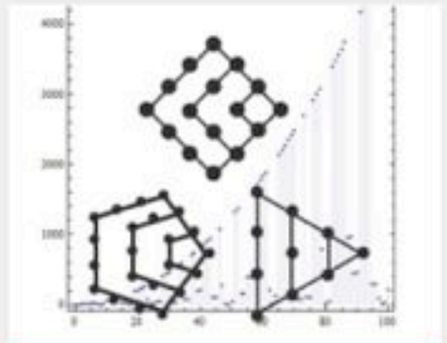
Wolfram Alpha Launches Problem Generator To Help Students Learn Math

Posted 18 hours ago by Frederic Lardinois

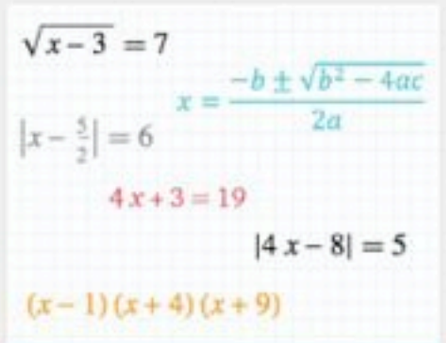
Next Story



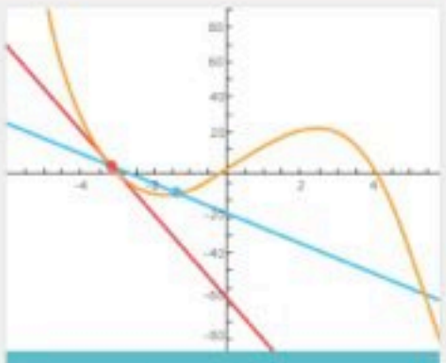
ARITHMETIC



NUMBER THEORY

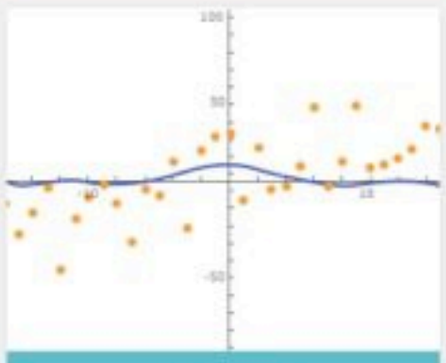


ALGEBRA



CALCULUS

LINEAR ALGEBRA



STATISTICS

If you're studying math or science, you are probably pretty familiar with Wolfram Alpha as a tool for figuring out complicated equations. That makes it a pretty good tool for cheating, but not necessarily for learning. Today, the Wolfram Alpha team is launching a new service for learners, the Wolfram Problem Generator, that turns the "computational knowledge engine" on its head.

The Problem Generator – which is available to all Wolfram Alpha Pro subscribers now – creates

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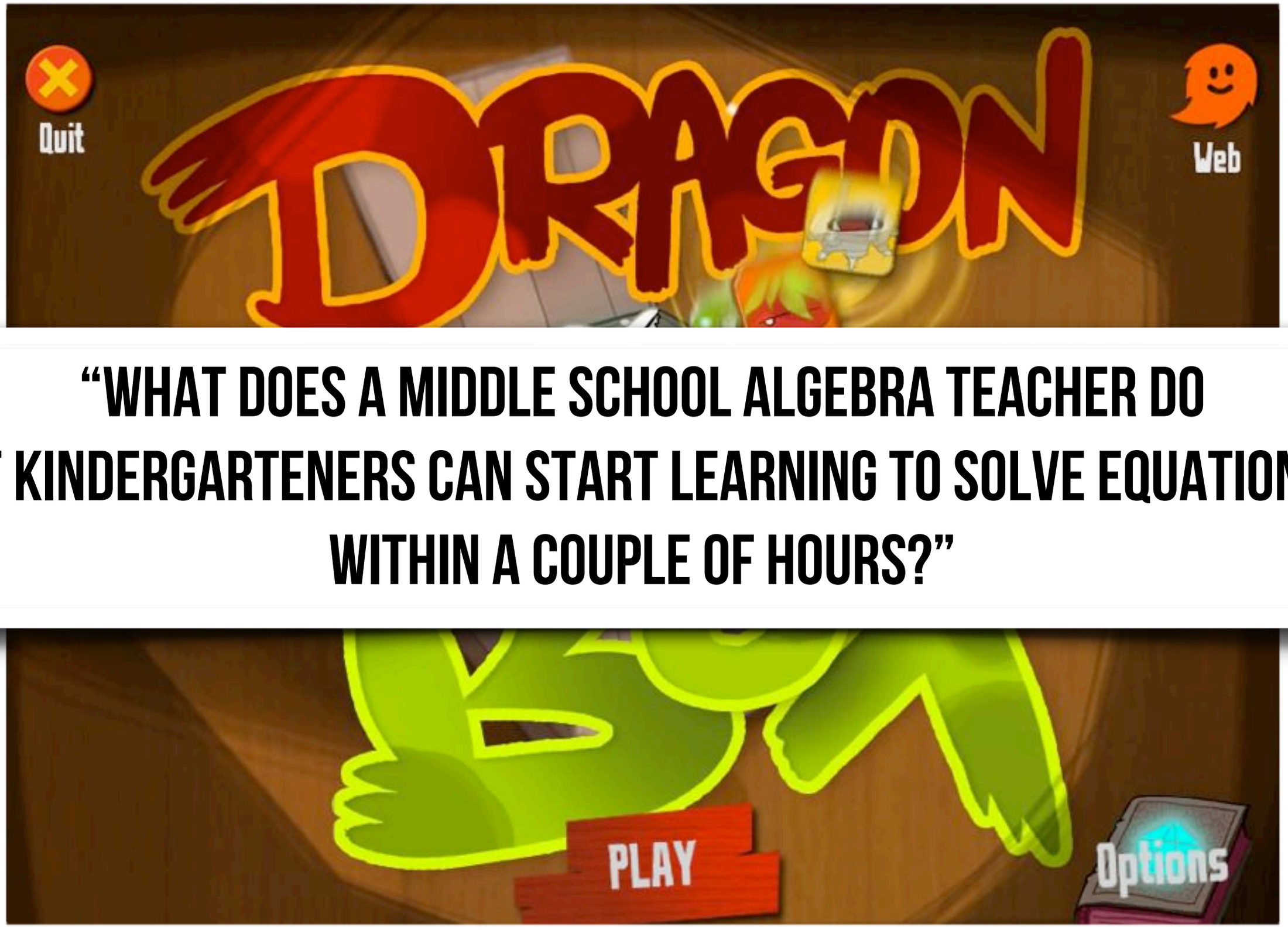

“WHAT DOES A MIDDLE SCHOOL ALGEBRA TEACHER DO IF KINDERGARTENERS CAN START LEARNING TO SOLVE EQUATIONS WITHIN A COUPLE OF HOURS?”

IN AN ABUNDANT, SELF-ORGANIZED WORLD...

...college is not the only option.

1955

PRICE OF EDUCATION

bit.ly/MZmNDy

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U.S. student debt on scary trajectory

By Daniel Indiviglio | JULY 18, 2012

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EMPLOYMENT | FEDERAL RESERVE | HOUSING | MORTGAGES | NY FED | STUDENT LOANS

By Daniel Indiviglio

The author is a Reuters Breakingviews columnist. The opinions expressed are his own.

U.S. student debt is on a scary trajectory. New statistics from the New York Federal Reserve show just how steep it is. Education loans are piling up at an unsustainable rate and delinquencies are rising despite the slowly improving American economy. Instead of trying to tackle the problem, Washington's policies continue to exacerbate it.

Student loans in the United States have surged to $900 billion from $360 billion in just seven years. Even as the U.S. housing bubble inflated between 1999 and the start of 2006, mortgage balances didn't grow that fast. The bursting of that bubble triggered the worst recession since the Great Depression. Sure, the numbers were considerably larger. But there's enough student debt

The New York Times

Business Day

Degrees of Debt

This series examines the implications of soaring indebtedness of students and their families.

PART ONE
A Nation of Student Borrowers

PART TWO
A New Business Model

PART THREE
A Hard Way Out

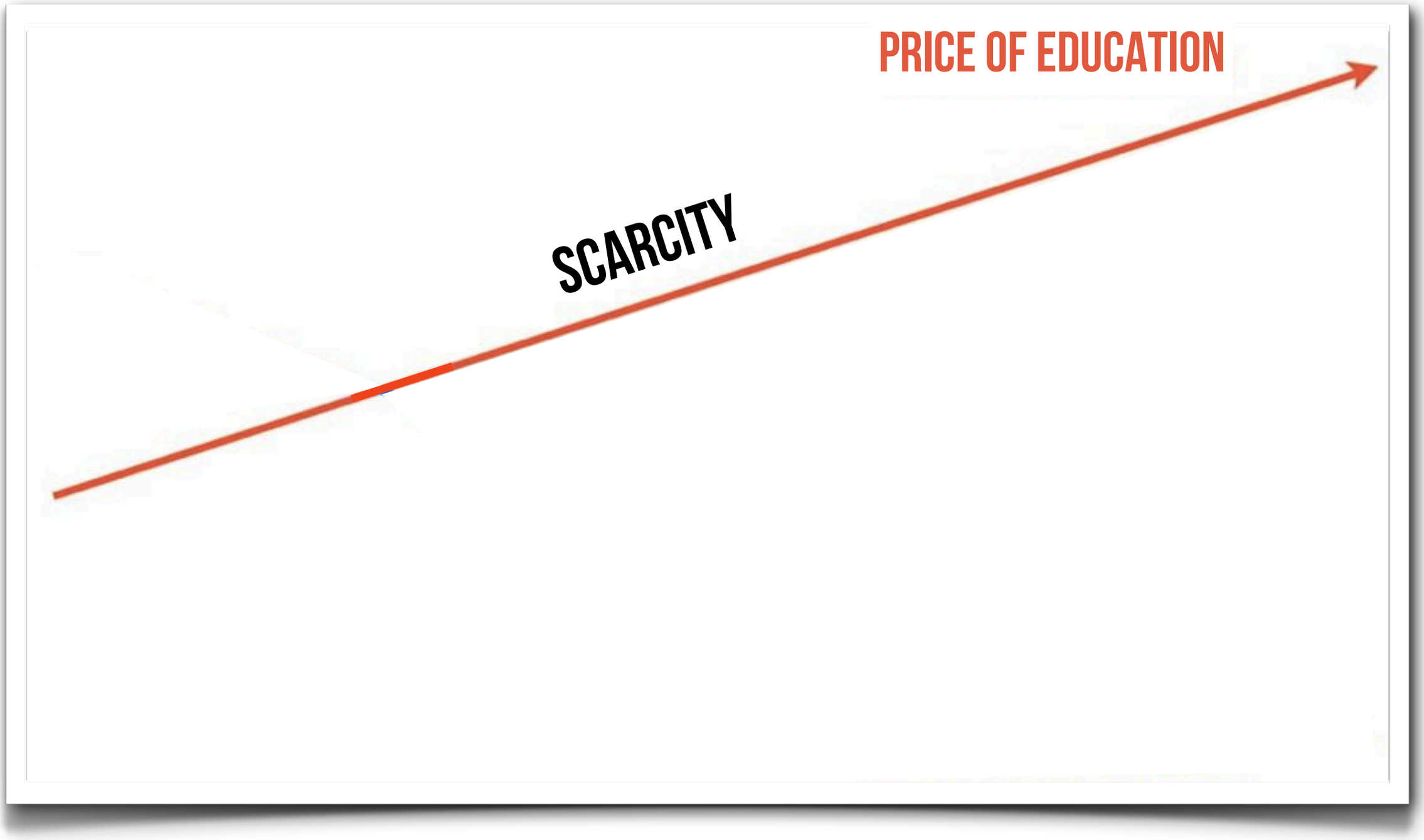
PART FOUR
Long Arm of the Law

PART FIVE
Families in Di

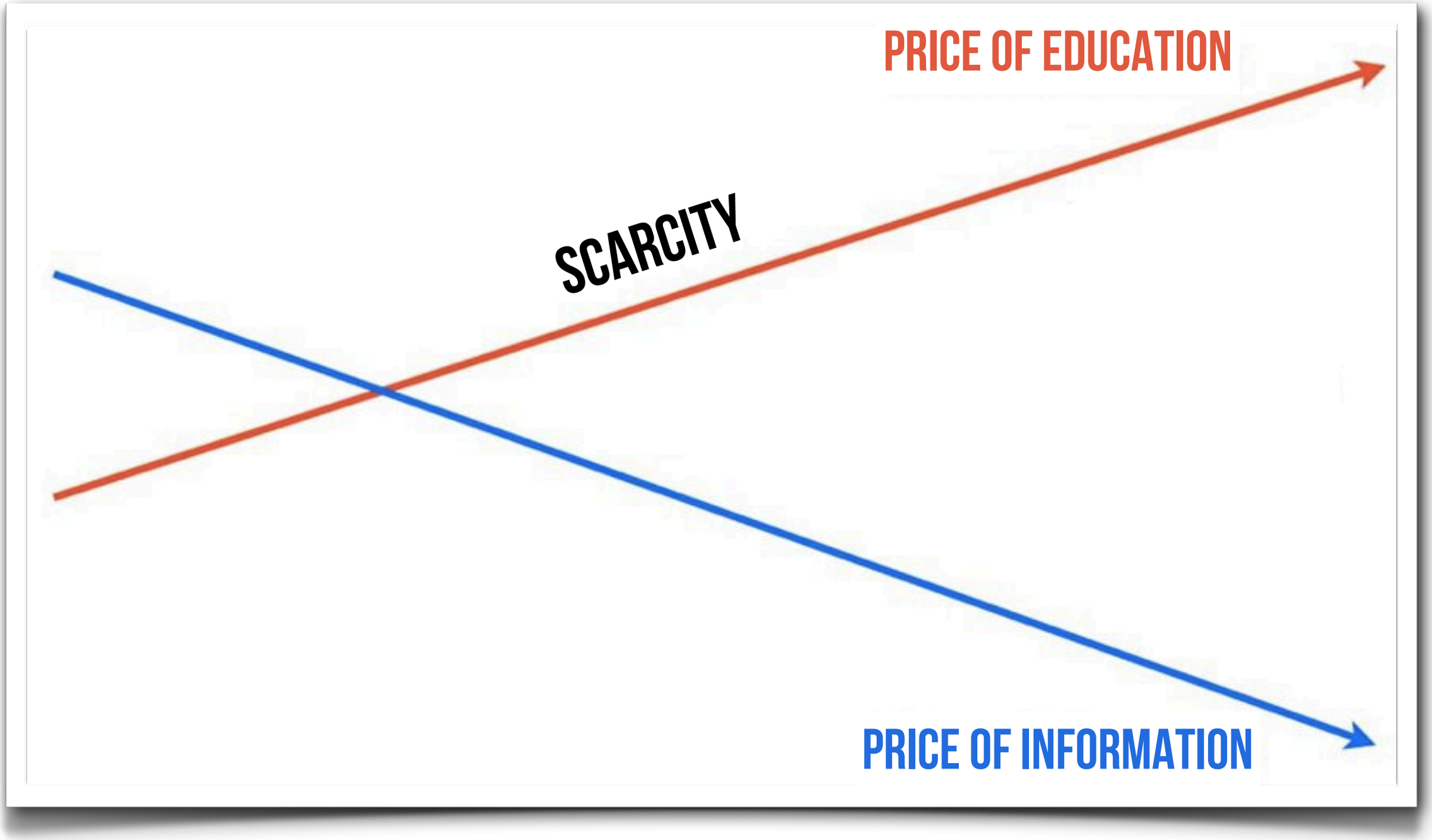
A Generation Hobbled by the Soaring Cost of College

Photographs by Ruth Fremson/The New York Times and Ty William Wright for The New York Times

Taking on debt has become a central part of the college experience for many students.



bit.ly/MZmNDy



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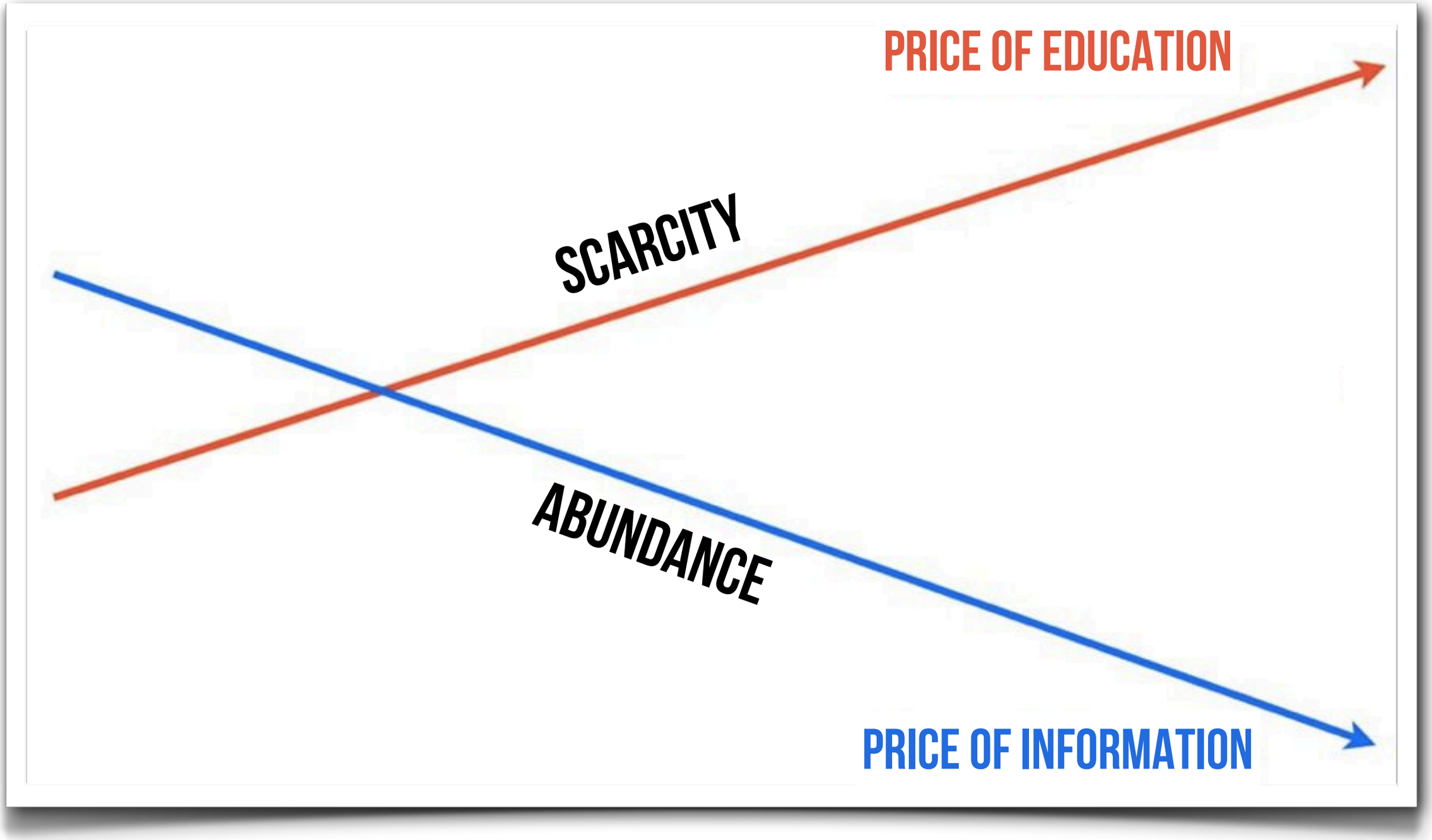

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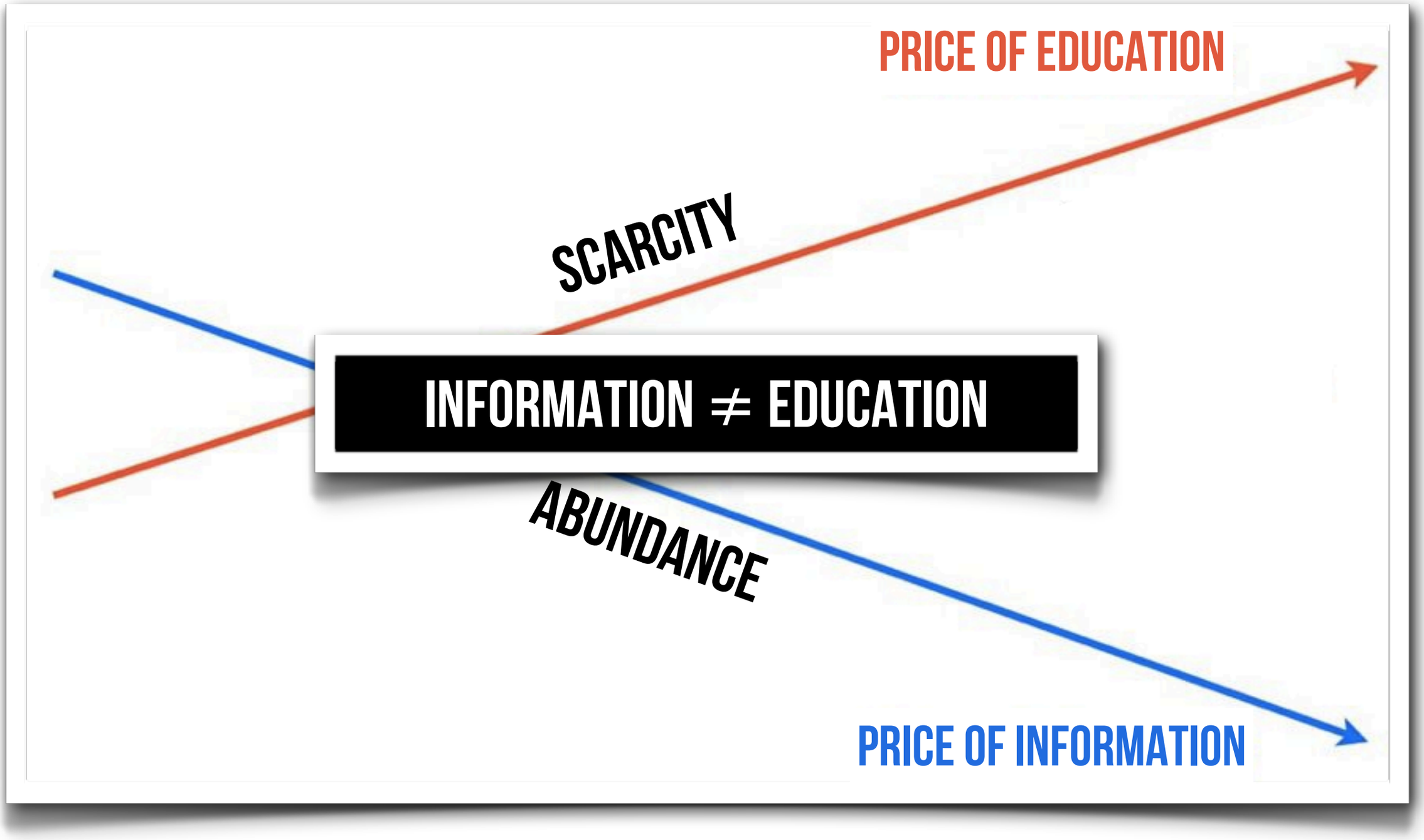

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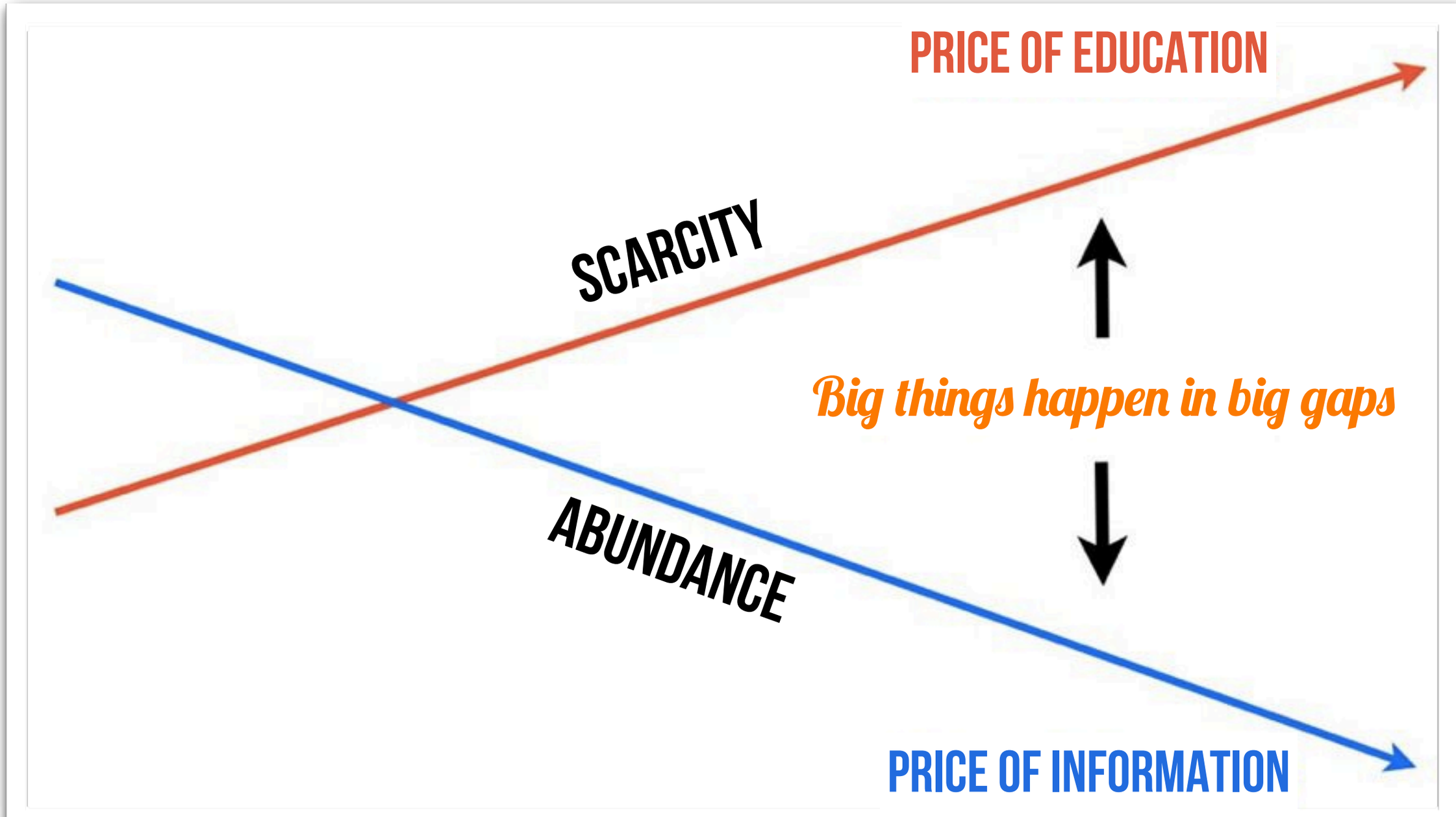

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Universities Reshaping Education on the Web

Ramin Rahimian for The New York Times

Daphne Koller and Andrew Ng of Stanford are adding 12 universities to Coursera, the online education venture they founded.

By TAMAR LEWIN
Published: July 17, 2012 | 219 Comments

As part of a seismic shift in online learning that is reshaping higher education, Coursera, a year-old company founded by two Stanford University computer scientists, will announce on Tuesday that a dozen major research universities are joining the venture. In the fall, Coursera will offer 100 or more free massive open online courses, or MOOCs, that are expected to draw millions of students and adult learners globally.

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CAL TECH, GEORGIA TECH, U. OF VA, DUKE, RICE, JOHNS HOPKINS, STAMFORD, U. OF WASHINGTON, U. OF ILLINOIS, U. OF EDINBURGH, U. OF TORONTO, PRINCETON, U. OF PENN...

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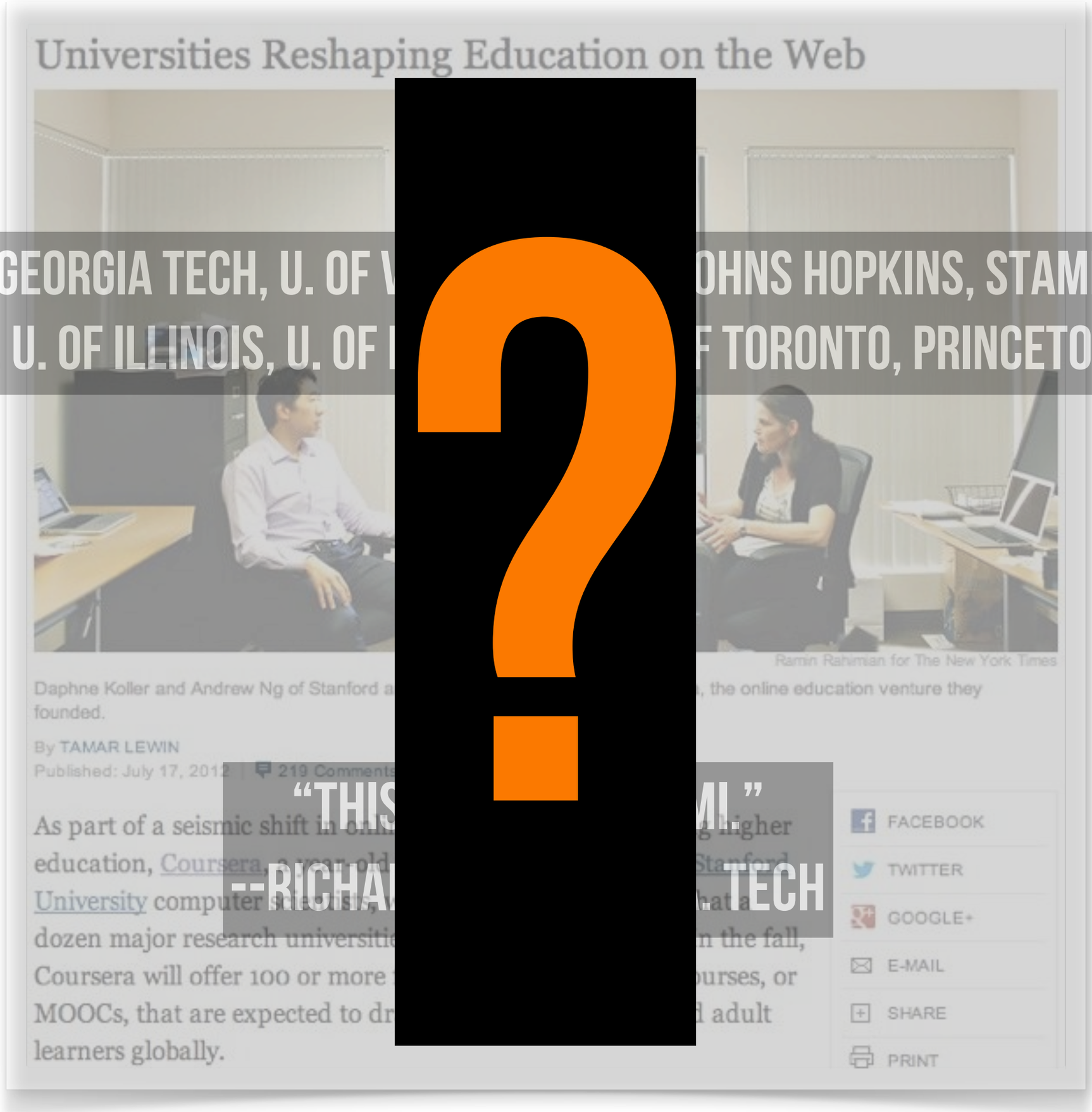
"THIS IS THE TSUNAMI."
--RICHARD DEMILLO, GA. TECH



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?

"THIS ML."

--RICHA TECH

December 2013

- The Journey of Mathematics – Shanghai Jiao Tong University – December 1 (7 weeks)
- Traditional Chinese Medicine and Chinese Culture - Shanghai Jiao Tong University – December 1 (7 weeks)
- Initiation à la théorie des distributions - École Polytechnique on Coursera - December 2 (9 weeks)
- Creative, Serious and Playful Science of Android Apps (SA) – University of Illinois on Coursera - December 2 (8 weeks)
- Constitutional Struggles in the Muslim World (SA) – University of Copenhagen on Coursera - December 2 (10 weeks)
- Introduction to Astronomy (SA) – Duke on Coursera – December 2 (12 weeks)
- Improving Your Image: Dental Photography in Practice (NI) – University of Birmingham on Futurelearn – December 2 (4 weeks)
- Building an Information Risk Management Toolkit (NI) – University of Washington on Coursera – December 11 (10 weeks)
- Designing and Executing Information Security Strategies (NI) – University of Washington on Coursera – December 11 (10 weeks)
- Information Security and Risk Management in Context (NI) – University of Washington on Coursera – December 11 (10 weeks)
- Mathematical Methods for Quantitative Finance (NC) – University of Washington on Coursera – December 11 (8 weeks)

January 2014

- Introduction to Computer Science (CM) – Harvard on edX – January 1
- Exploring Particle World (NI) – Shanghai Jiao Tong University on Coursera — January 1 (6 weeks)
- Law and Society (NI) - Shanghai Jiao Tong University on Coursera — January 1 (8 weeks)
- Introduction to Chemistry (CC) – Duke on Coursera — January 2 (9 weeks)
- Useful Genetics, Part II (SA) – UBC on Coursera - January 3 (12 weeks long)
- Drugs and the Brain (SA) – Caltech on Coursera – January 4 (7 weeks)
- Introduction to Genetics and Evolution (SA) – Duke on Coursera – January 4 (10 weeks)
- Early Christianity: The Letters of Paul (SA) – Harvard on edX – January 6
- Introduction to Dynamical Systems and Chaos - Santa Fe Institute – January 6 (8 weeks)
- Terrorism and Counterterrorism: Comparing Theory and Practice (SA) – University of Leiden - January 6 (6 weeks)
- Introduction to Forensic Science (NI) – University of Strathclyde Glasgow on Futurelearn – January 6 (6 weeks)
- Medical Neuroscience (SA) – Duke on Coursera – January 6 (12 weeks)
- Computing for Data Analysis (NI) – Johns Hopkins on Coursera – January 6 (12 weeks)
- Information Theory (NI) - The Chinese University of Hong Kong – January 6 (15 weeks)
- Programming Handheld Systems with Android (SA) – University of Maryland on Coursera - January 6 (8 weeks)
- The Secret Power of Brands (NI) – University of East Anglia on Futurelearn – January 6 (10 weeks)
- Sustainability, Society, and You (NI) – University of Nottingham on Futurelearn – January 6 (8 weeks)
- Social and Economic Networks: Models and Analysis (SA) - Stanford on Coursera – January 6 (9 weeks)
- Heterogeneous Parallel Programming (CC) – University on Illinois on Coursera - January 6 (9 weeks)
- Computational Methods for Data Analysis (NI) - University of Washington on Coursera – January 6 (10 weeks)
- Energy, the Environment, and Our Future (SA) – Penn State on Coursera - January 6 (8 weeks)
- Cryptography I (SA) – Stanford on Coursera – January 6 (6 weeks)
- Bioinformatics I (SA) – U. Toronto on Coursera – January 6 (6 weeks)
- Introduction to Public Speaking (NI) – U. of Washington on edX – January 7 (10 weeks)
- Principles of Economics with Calculus (SA) – Caltech on edX – January 7 (10 weeks)
- Climate Change in Four Dimensions (NI) – UCSD on Coursera - January 7 (10 weeks)
- Computational Neuroscience (NI) – University of Washington on Coursera - January 10 (8 weeks)
- Calculus: Single Variable (SA) – University of Pennsylvania on Coursera – January 10 (14 weeks)
- Critical Listening for Studio Production (NI) – Queen's University Belfast on Futurelearn – January 13 (7 weeks)
- Spanish Basics (NC) – SpanishMooc.com – January 13 (4 weeks)
- Climate Change: Challenges and Solutions (NI) – University of Exeter on Futurelearn – January 13 (8 weeks)
- Shakespeare's Hamlet: Text, Performance, and Culture (NI) – University of Birmingham on Futurelearn – January 13 (6 weeks)

BIT.LY/1B19SJF

MBA Programs

Wharton Puts First-Year MBA Courses Online for Free

By Louis Lavelle | September 13, 2013

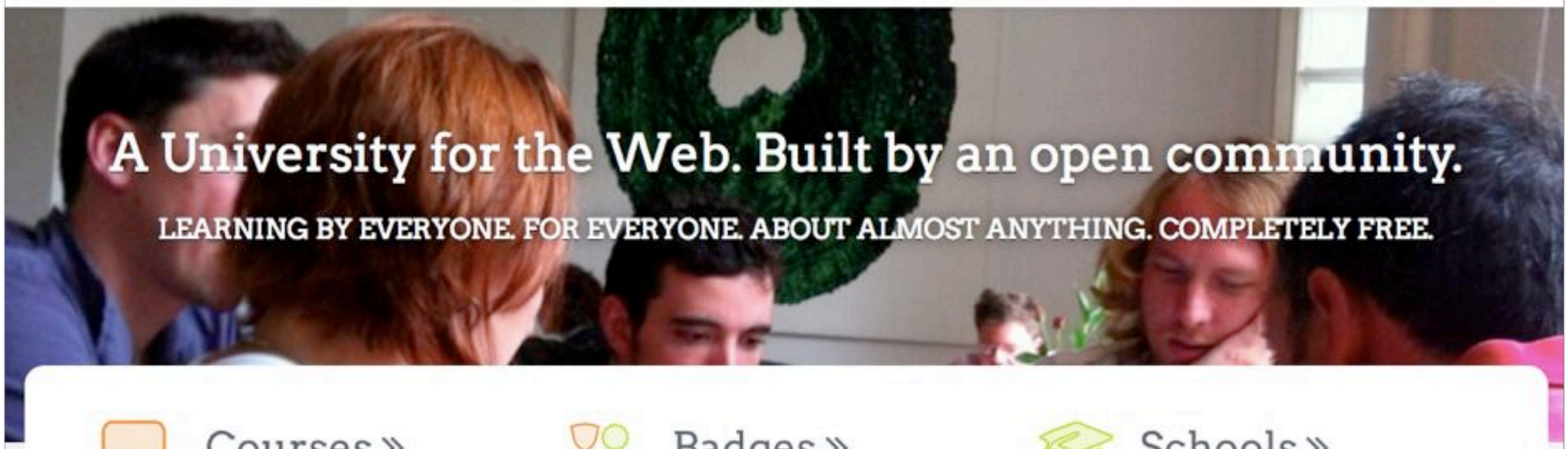
SEND TO kindle

Getting a Wharton MBA involves taking off from work for two years, moving to Philadelphia, and spending about $200,000 on tuition and expenses. Now, with the addition of three new courses on the online learning platform Coursera, you can get much of the course content for free.

While you won't get the full Wharton on-campus experience—or an internship, career services, or alumni network, for that matter—the new courses in financial accounting, marketing, and corporate finance duplicate much of what you would learn during your first year at the elite business school, says Don Huesman, managing director of the innovation group at Wharton.

P2PU

Login



Courses »

Take a course to learn something new. Or create a course to share what you know with others.

Badges »

Get feedback and receive a badge for projects you care about. Or create a new badge and let people submit their work.

Schools »

Schools are communities that form around specific topic areas. They run courses, organize webinars, and create badges together.

MOOCs »

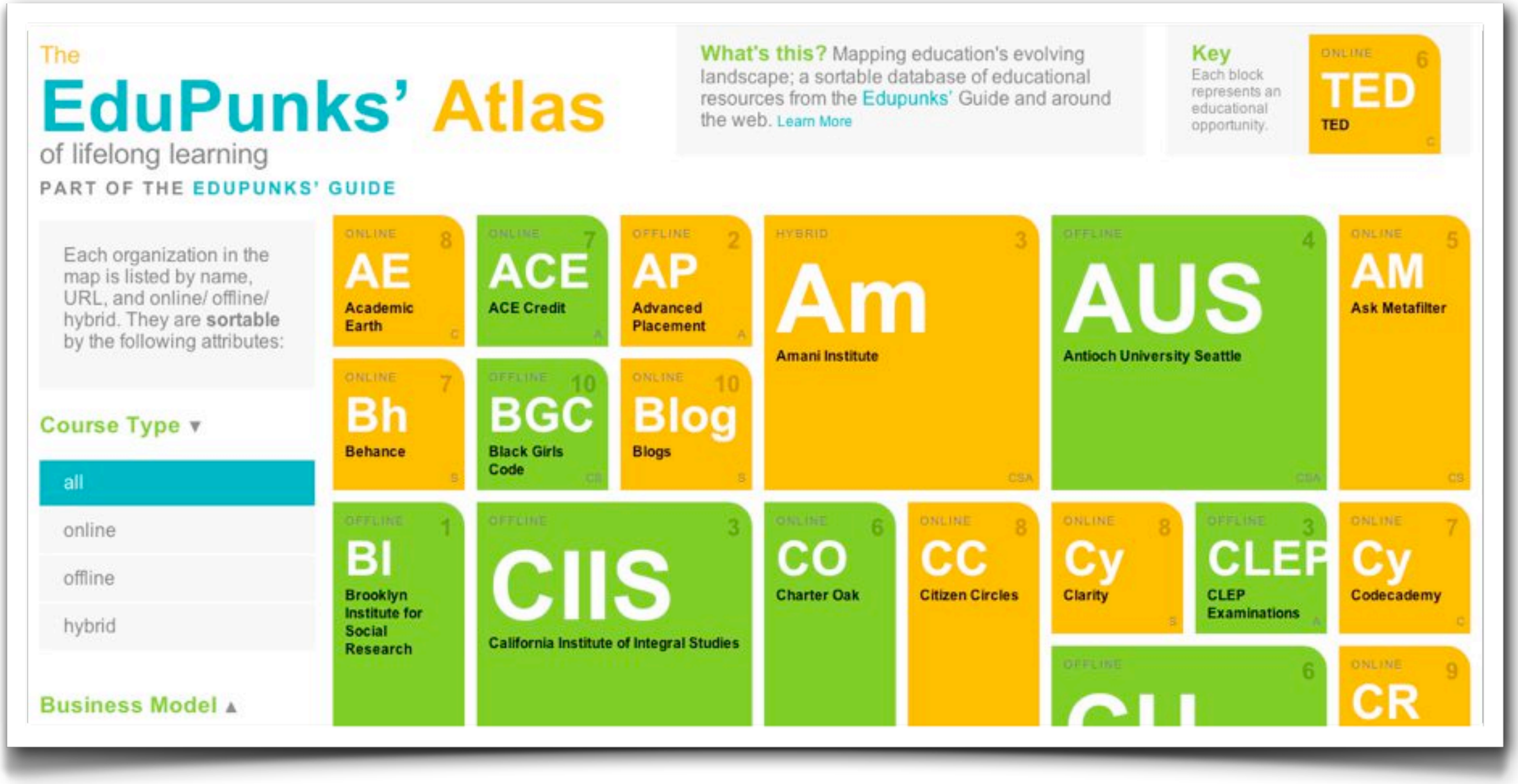
Our MOOCs are big learning communities that run on the web. Lots of people sign up, and we facilitate collaboration and team work.

Blog »

Get the latest news and updates from P2PU. New projects. Big ideas.

Community »

The core of P2PU is an open community. We are building a new university together. Join us!



ATLAS.EDUPUNKSGUIDE.ORG/

Get recognition for skills you learn anywhere.

Earn

Earn badges for skills you learn online and offline

Issue

Give recognition for things you teach

Display

Show your badges in the places that matter

mozilla OpenBadges

Introducing Open Badges:

a new online standard to recognize and verify learning

1955

2011
2013

1955
2011
2013
INSTITUTIONALLY ORGANIZED
SELF-ORGANIZED

over
after
middle
last
first
under
2008
October
Sunday
Monday
Tuesday
Wednesday
Thursday

2027?

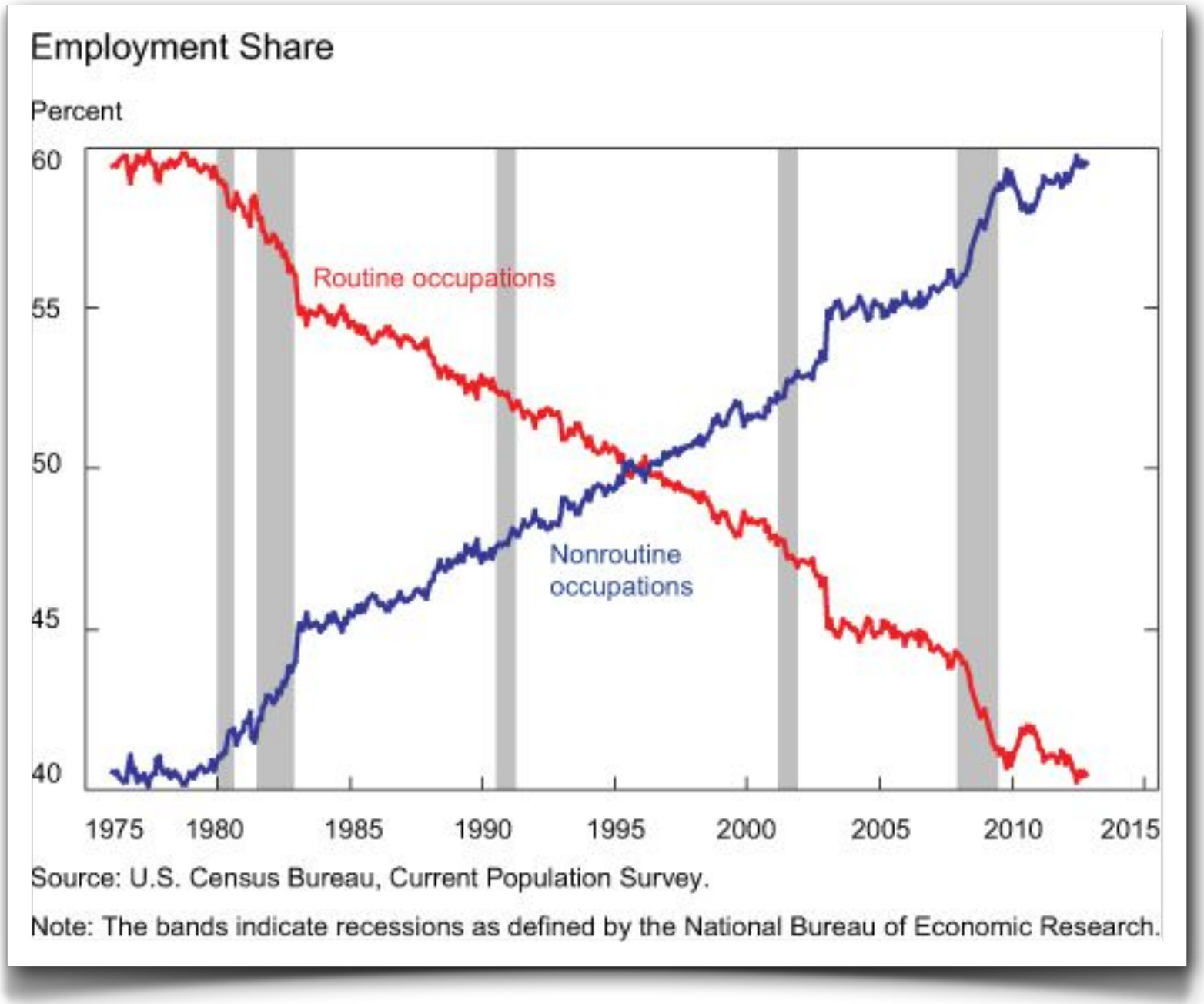
SELF-ORGANIZED LEARNERS?

IN AN ABUNDANT, SELF-ORGANIZED WORLD...

...work is no longer predictable.

“IF YOU’RE TALKING 100 YEARS, THERE’S NO DOUBT IN MY MIND THAT ALL JOBS WILL BE GONE, INCLUDING CREATIVE ONES. AND 100 YEARS IS NOT FAR IN THE FUTURE — SOME OF OUR CHILDREN WILL BE ALIVE IN 100 YEARS.”

~Hod Lipson
Cornell



ROUTINE = MAIN TASKS REQUIRE FOLLOWING EXPLICIT INSTRUCTIONS AND OBEYING WELL-DEFINED RULES.

NONROUTINE = FLEXIBILITY, PROBLEM SOLVING, OR CREATIVITY.

BIT.LY/1FEKE67

THE GAME | July 23, 2013, 8:18 p.m. ET

Daddy, What Was a Truck Driver?

Over the Next Two Decades, the Machines Themselves Will Take Over the Driving.

Article | Stock Quotes | Comments (94)

Email | Print | Save

Caterpillar

Caterpillar will have 45 self-directed trucks at a mine in Australia.

And then one day, man went the way of the mule.

65% Of Kids Entering School This Year Will End Up In Jobs That Don't Exist Yet

2 years ago by Koa Beck | 0 Comments | Share a Tip

Preschoolers may have full mastery of your iPad but **Cathy N. Davidson**, a professor at Duke University, argues that classrooms are not keeping up with the new ways in which our kids are learning. In her new book *Now You See It,* she points out that many of our schools are stuck teaching with archaic methods, training our kids for an economy that won't exist by the time they are adults.

SARA HOROWITZ - Sara Horowitz the founder of Freelancers Union, a nonprofit organization representing the interests and concerns of the independent workforce.
ALL POSTS

The Freelance Surge Is the Industrial Revolution of Our Time

SEP 1 2011, 10:30 AM ET 303

+1 289 Recommend 5k

Welcome to the Gig Life. The boom in independent work is changing the way we think about jobs and careers. Does Washington get it?

Find Work | Find Freelancers | How It Works | Sign In or Join

Elance
work differently

Search Jobs | Go

Find great freelance jobs

DANIEL B. NORTH CAROLINA VIDEO/ANIMATOR

"I get jobs that specifically fit my skills, and I interact with really, really talented people around the world." »

Register Now (it's free)

Hiring? Find amazing freelancers online.

162,900	18,900	115,800	174,900	38,200
Programmers	Mobile Developers	Designers	Writers	Marketers

Post Your Job (it's free)

Have a large business?

94,628 Jobs posted in past 30 days

$773,636,363 Earned through Elance to date

Dec 8, 2011 - 10:33AM PT

By 2020, independent workers will be the majority

BY Ryan Kim

12 Comments

Freelancers, consultants and other independent workers account for 16 million people in the country now and will become a majority by 2020, predicts Gene Zaino, CEO of MBO Partners. The company projects there will be 65 to 70 million independent workers in the next decade

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GIGAOM

HOME APPLE CLEANTECH CLOUD EUROPE MOBILE VIDEO

Dec 8, 2011 - 10:33AM PT

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Freelancers, consultants and other independent workers account for 16 million people in the country now and will become a majority by 2020,

SELF-ORGANIZED WORK

SO...

IN AN ABUNDANT, SELF-ORGANIZED WORLD...

What's more urgent?

CONTENT

KNOWLEDGE

INFORMATION

CONTENT

KNOWLEDGE

INFORMATION

OR

CREATIVITY

CRITICAL THINKING

COLLABORATION

COMMUNICATION

COMPUTING

CONNECTIONS

CONTINUAL LEARNING

CHANGE MINDSET

CURIOSITY

THIS IS THE WORLD AT OUR DOORSTEP:

bit.ly/1f7O8DJ

5,000,000,000

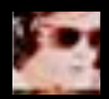
5,000,000 Learners

LEARNERS WHO WILL BE CONNECTED AND CREATING.

LEARNERS WHO WILL CHANGE THE WORLD.

bit.ly/1f7O8DJ

bit.ly/14mOPof



ERIC
[sic!]
(RED)

OUR KIDS NEED US TO HELP THEM FLOURISH IN THIS WORLD...

...BUT THAT MEANS "DIFFERENT," NOT BETTER.

THIS IS NOT ABOUT CONTENT.

THIS IS ABOUT ABOUT "A RIGHT TO LEARN."

THIS IS ABOUT ABOUT CURIOSITY.

THIS IS ABOUT WONDER.

THIS IS ABOUT PASSION.

OUR BIG QUESTION:

CAN WE MAKE RELEVANT DECISIONS ABOUT...

CURRICULUM

BUDGET

TECHNOLOGY

ASSESSMENT

STAFFING

INFRASTRUCTURE

PEDAGOGY

SCHEDULING

SUPPORT

...WITHOUT DEEP PERSONAL EXPERIENCE IN THE CONNECTED, COMPUTING-FILLED LEARNING WORLD IN WHICH OUR KIDS WILL LIVE?

This is the

HARD PART.

WHERE DO WE START?

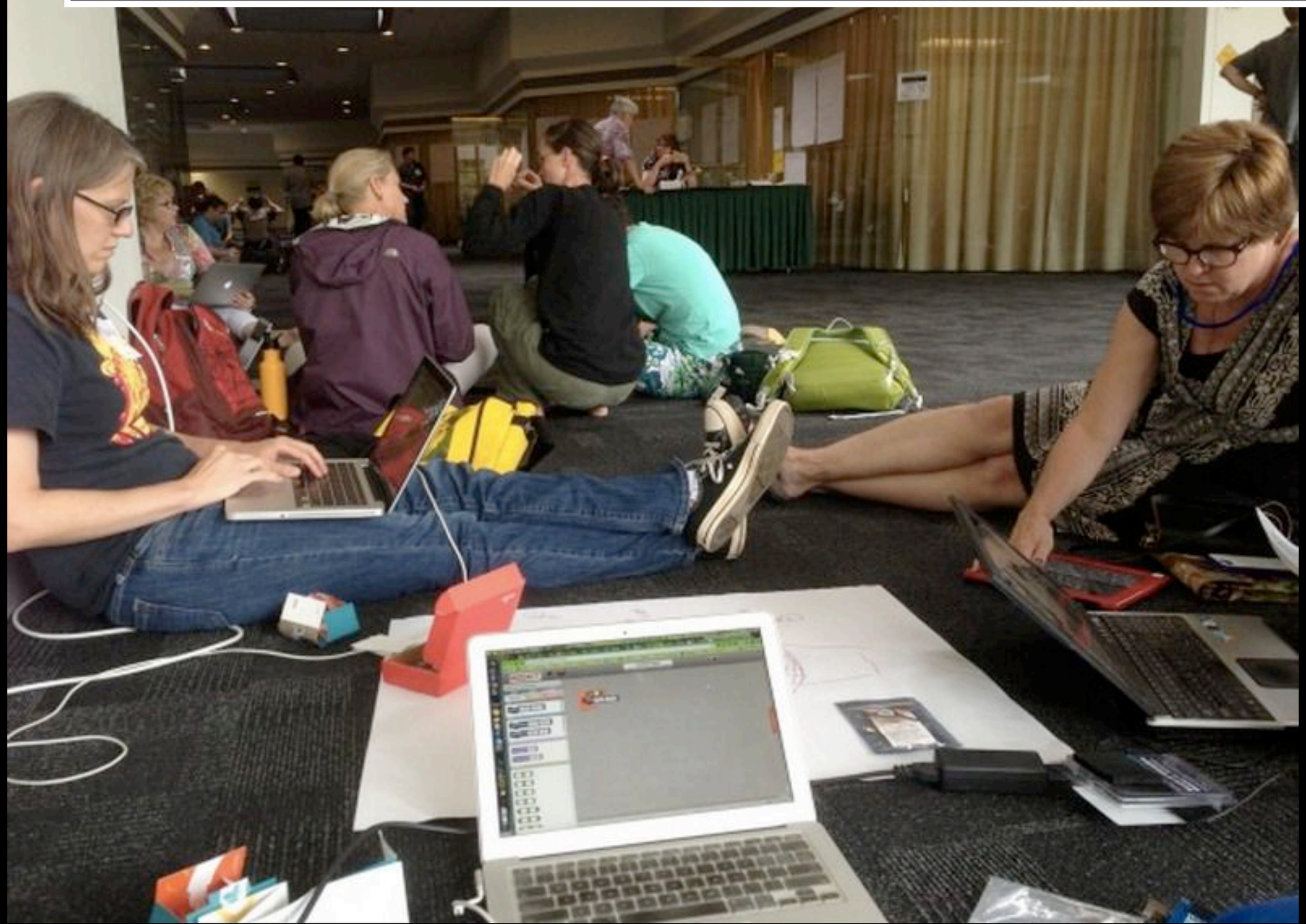
LEARNERS FIRST

LEARNERS FIRST

Teachers Second

HOW ARE YOU CHANGING?

WHAT IMPORTANT, AUTHENTIC WORK HAVE YOU CREATED WITH COMPUTERS AND SHARED WITH THE WORLD?



Timeline @willrich45

umair haque @umairh 39s
America: now a country where we have to defend getting an education. "@heathershorn: a defense of humanities PhDs: bit.ly/16M5FxA"
View

NewsHour @NewsHour 41s
Coming up on #AnchorHours: Should drivers pay for every mile driven? bit.ly/19oiyvm What's your take?
Details

NetworkforPublicEd retweeted
Mike Mullin @Mike_Mullin 40d
Why is #CommonCore such a mess? blogs.edweek.org/teachers/livin … Of the 60 people who wrote it, ONE was a classroom teacher. ELEVEN were with test cos
Details

Sylvia LibowMartinez @s… 1m
Last chance! Download the Kindle version of "Invent To Learn" free thru Friday - inventtolearn.com/free #STEM
Details

George Siemens @gsiemens 3m
"I got my college education by luck, I think people should get it by design" @drvickip
Details

@ Me

Filtered by:

juandoming @juandoming 1d
Peak #education 2013 By Bryan Alexander via @willrich45 | @scoopit sco.lt/5G4iR7#learning #edtech #edchat #elearning
Details

Stephanie Mechmann @s… 1d
From @willrich45: I'm just opposed to the way high-stakes testing is being used to evaluate teachers… wapo.st/18Gcn6L
Details

Bryan Alexander @BryanAle… 1d
@willrich45 Thanks. What do you think comes next?
View

Elisabeth Ellington @elisab… 1d
@ModernLearners take on the "tabletization" of education is worth reading: raisingmodernlearners.com/first-take-no-… #eng461
Details

Lyn Hilt @lynhilt 1d
Some Fresh Thinking on Education For Parents raisingmodernlearners.com/some-fresh-thi… via @ModernLearners #edchat #cpchat
Details

"#edchat" @willrich45

Patricia Sutherland @pas… 16s
@ModernLearners Great list of what we should consider daily about education by Dr Gary Stager inventtolearn.com/Colorado/ #edchat
Details

Dr. David D. Timony @DrT… 19s
Would love to #tweetup while in Boston for the @AIECtC conference Oct 24-27. Who's around? #highered #edchat
Deta

Kev…
Wha…
why…
bit.l…
mar…
#ed…
Deta…

Tim…
Bra…
Tau…
Sub…
the …
#bc…
#Fir…
Deta…

How Tin Can API Can Bring Us Closer to Personalized Learning by @meganbowe #elearning #personalization

Best minds

roadkillrefug…
The AV Cl…
A bunch o… props are … including … Of Grass …
Details

felix salm…
#ff @Shtey… him make … @rodrikdar… Dani ahead… counts…

Kathy E G…
Pot. Kettle… Ballmer ca… monopoly. IBM begat…

AND, HOW ARE YOU CONNECTED TO OTHER LEARNERS FROM AROUND THE GLOBE WHO SHARE YOUR PASSIONS?

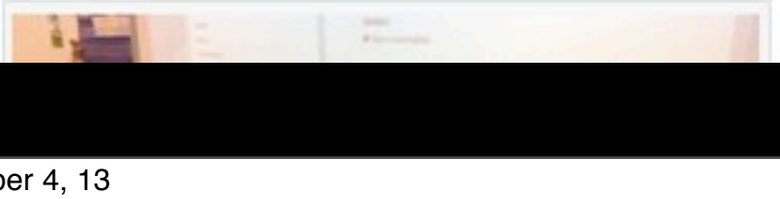
Primary Preoccupation

A grade one teacher inviting the world into her classroom

Book | About Me | Videos | Resources | Presentations | Contact Me

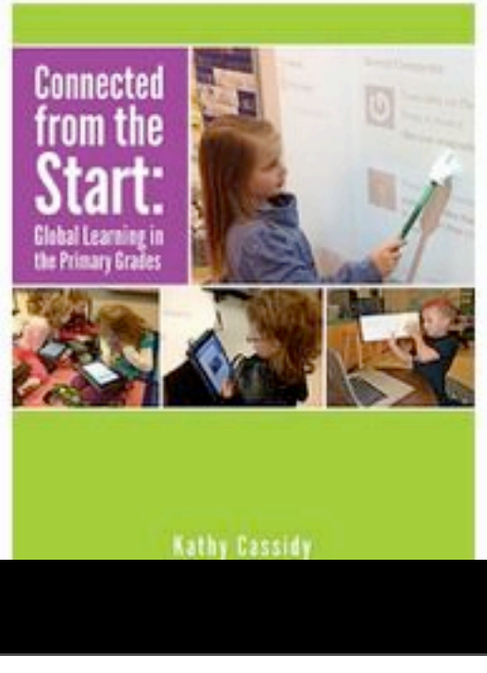
Using Blogs and Twitter With Young Students: THIS is What it Looks Like

I talk and share what I do with a lots of teachers. When these educators hear about the ways their colleagues are using blogs and Twitter in their classrooms they are intrigued. Most of them are interested enough to want to look further, but the idea is a bit overwhelming. I find this to be especially true of primary teachers. "What would that look like with young children?" they wonder. "What do the different blogging tools look like if you teach six year olds?" "How could you use Twitter in a kindergarten classroom?" "Yes, I can see what that would look like with older students, but my students are young. Most of them can't yet write. What would THAT look like?"



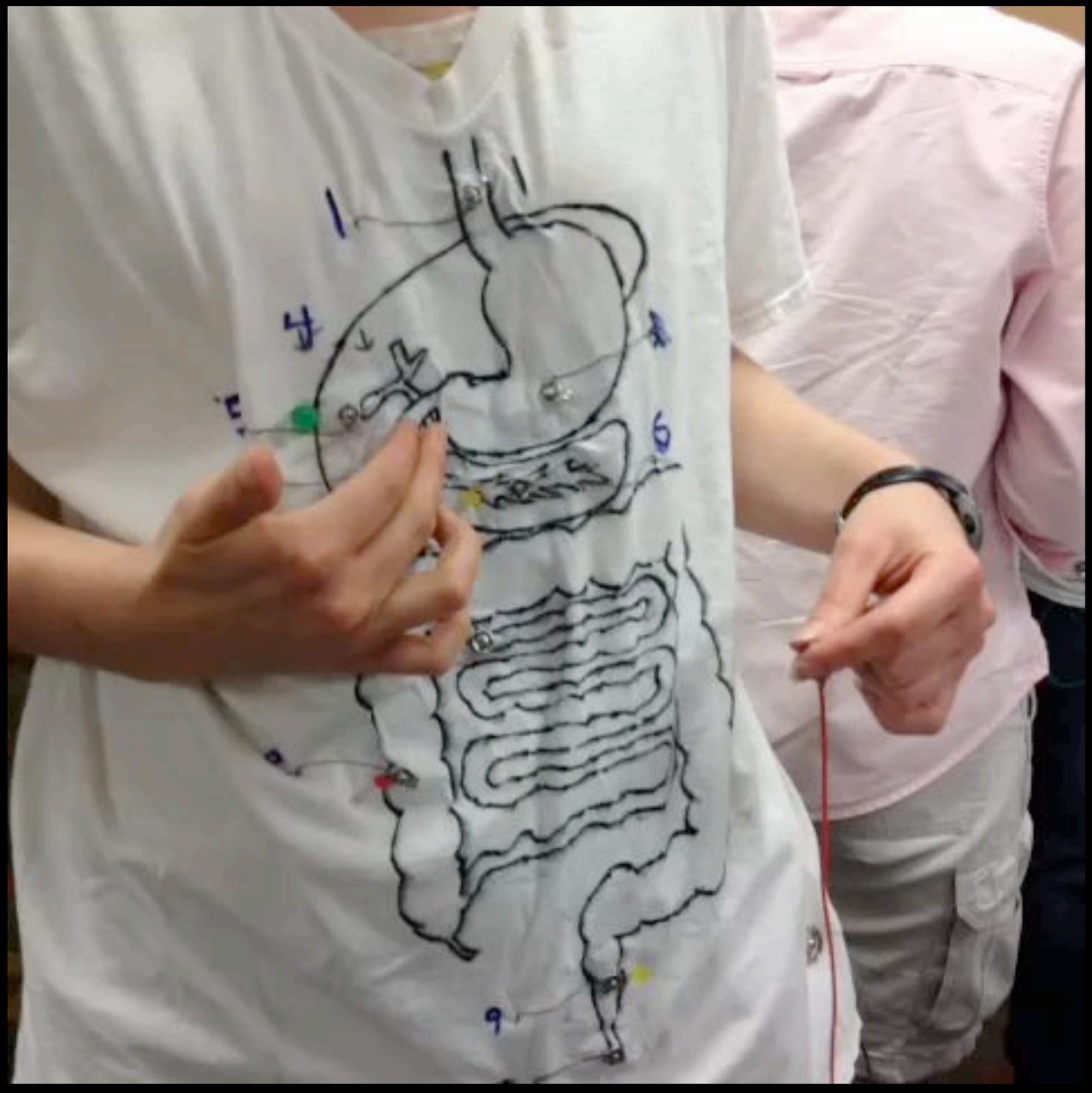
What they really want to see are

Available Now!



WHAT IF PROFESSIONAL DEVELOPMENT LOOKED LESS LIKE THIS...

...AND MORE LIKE THIS INSTEAD:



This is

IMPORTANT.

This is

HARD.

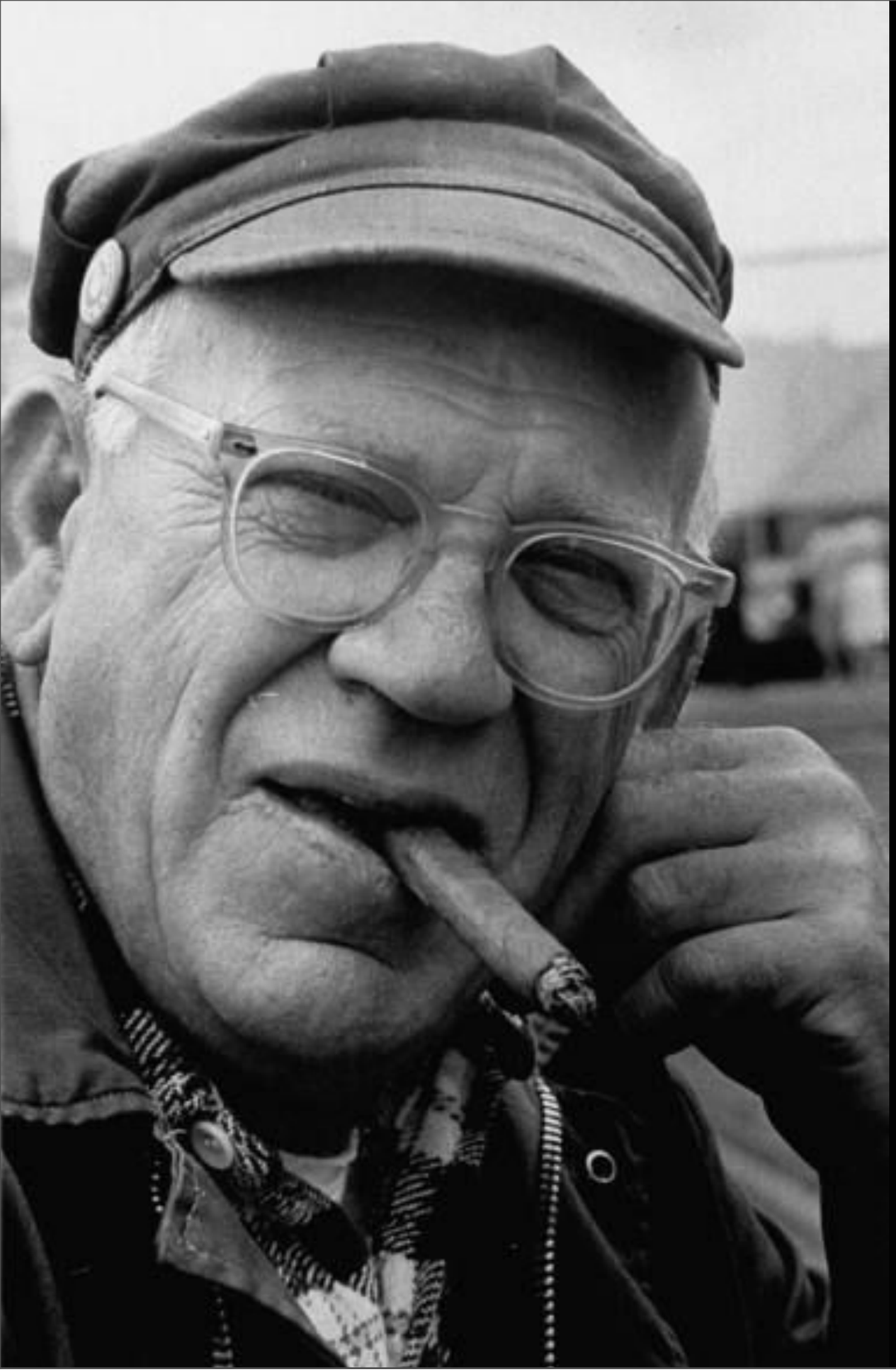
GEORGIA TECH

Sunday
Monday
Tuesday
Wednesday
Thursday
Friday

Remember, this is a

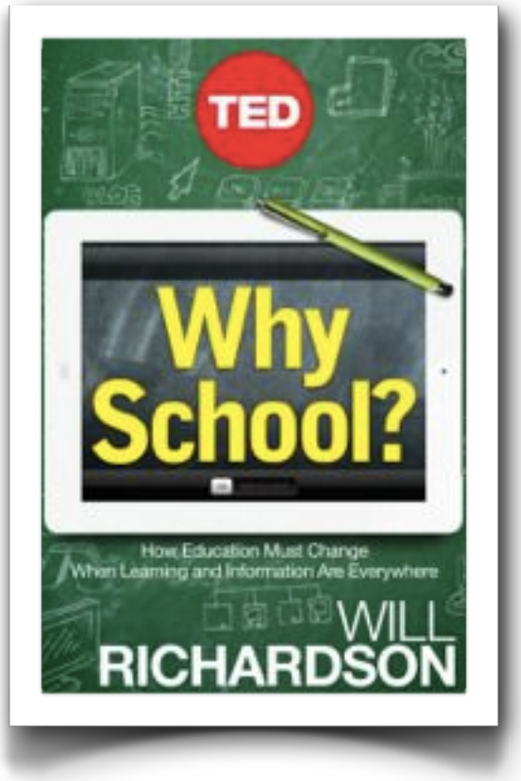
MOST AMAZING TIME

to be a learner.



"IN TIMES OF CHANGE, LEARNERS INHERIT THE EARTH, WHILE THE LEARNED FIND THEMSELVES BEAUTIFULLY EQUIPPED TO DEAL WITH A WORLD THAT NO LONGER EXISTS."

~Eric Hoffer
"The True Believer"



Thanks!

MORE@WILLRICHARDSON.COM

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