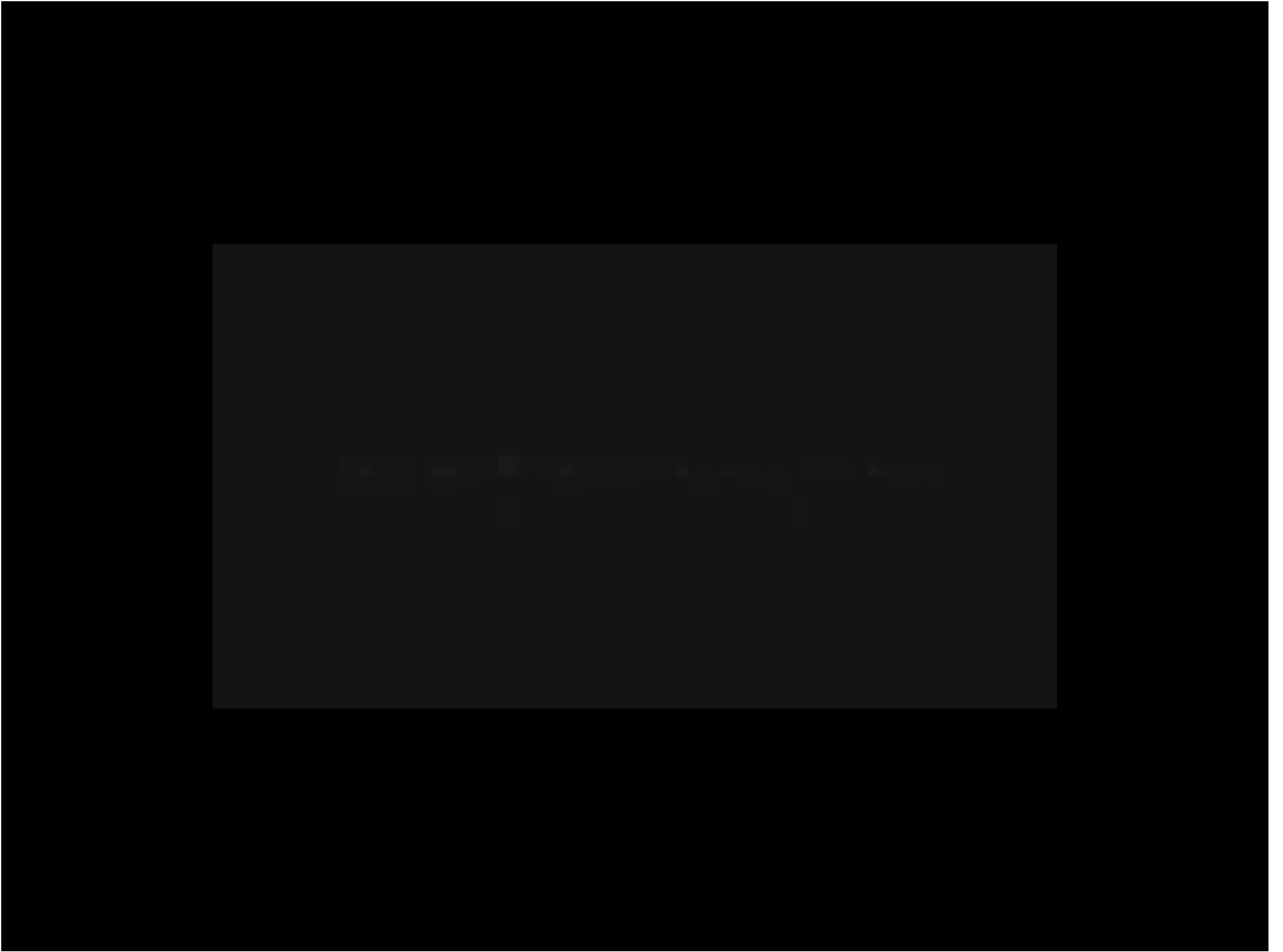


[scottmcleod.net/oklahoma](http://scottmcleod.net/oklahoma)

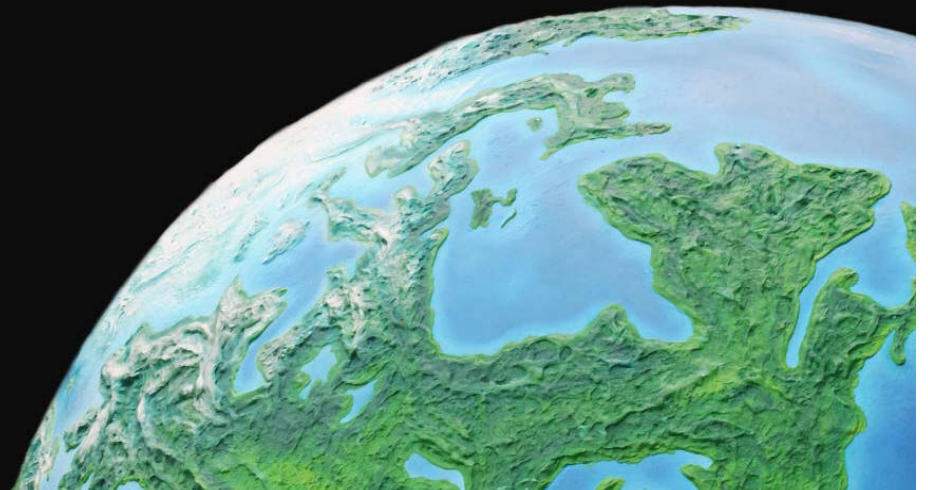
Say hi to your neighbor!



**The information society  
is here**

**Transitioning Oklahoma  
schools into the  
digital, global age**

Dr. Scott McLeod  
CASTLE



# ACT 1

Our tools  
have  
changed










**"If you'd asked someone 10 years ago about the necessity of a cell phone for a 5-year-old, they'd have laughed and walked away; now you can buy that at Target"**  
- CNET, January 22 2007



If given the choice between keeping their TV or mobile,  
US and UK children pick their mobile

Carphone Warehouse Connected World Report 2008











**facebook**



**myspace**  
**.com**



# CLUB PENGUIN<sup>®</sup>

Waddle around and meet new friends!



GANZ

[Bulletinz](#) [Help](#) [Parent's Area](#) [Privacy Policy](#) [User Agreement](#)

# Webkinz®

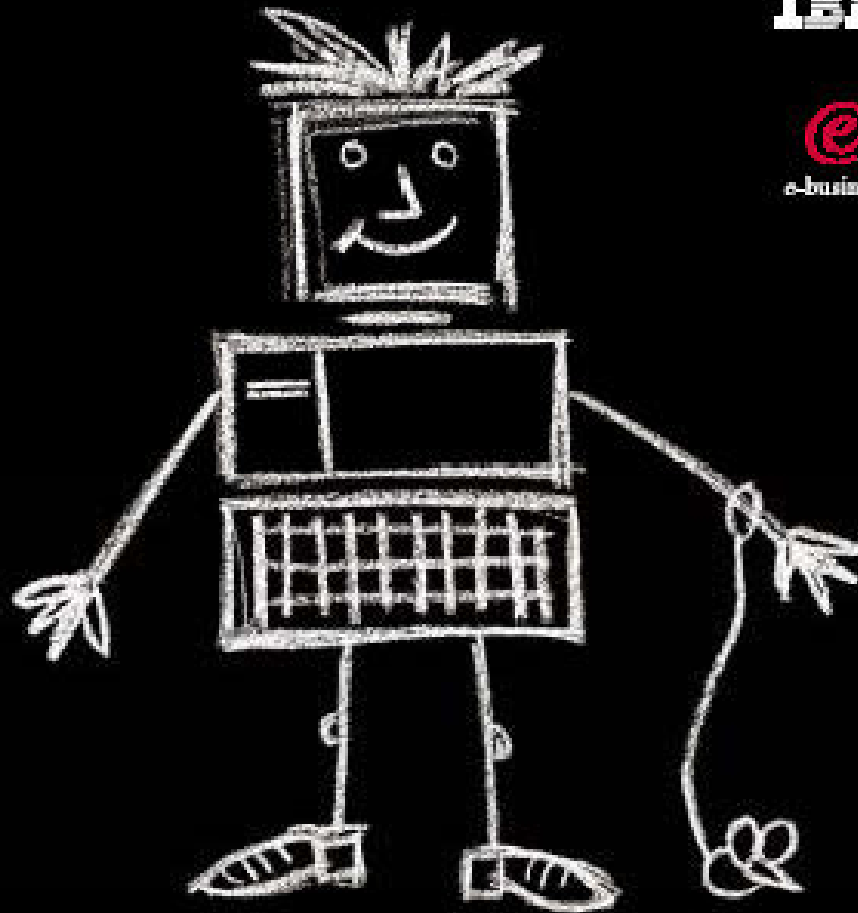
Come in and Play!



**LOG IN**  
**NEW MEMBER**

- |                                 |                                 |                                  |                               |
|---------------------------------|---------------------------------|----------------------------------|-------------------------------|
| <a href="#">Take a Tour</a>     | <a href="#">Webkinz Catalog</a> | <a href="#">Store Locator</a>    | <a href="#">International</a> |
| <a href="#">Crafty Critterz</a> | <a href="#">Trading Cards</a>   | <a href="#">Customer Support</a> | <a href="#">Help</a>          |
|                                 |                                 | <a href="#">Parent's Area</a>    |                               |

**IBM**



**Computing is about People,  
Not Machines**

[www.ibm.com/easy](http://www.ibm.com/easy)

**60 59 58 57 56 55 54 53 52 51**

**50 49 48 47 46 45 44 43 42 41**

**40 39 38 37 36 35 34 33 32 31**

**30 29 28 27 26 25 24 23 22 21**

**20 19 18 17 16 15 14 13 12 11**

**10 9 8 7 6 5 4 3 2 1**

# ACT 2

Information  
has  
changed



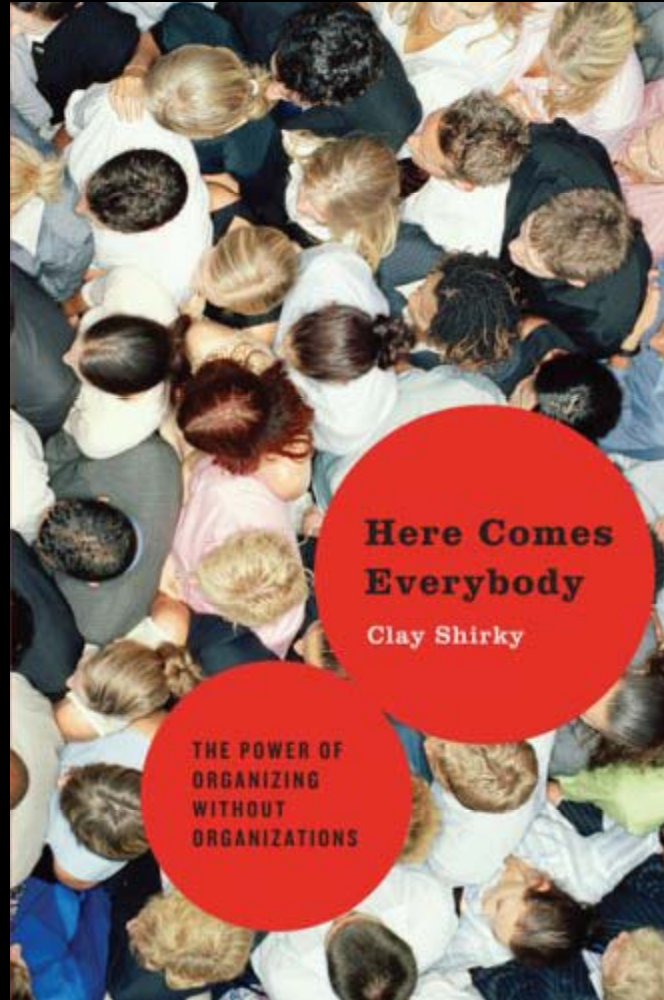
**EVERYTHING IS  
MISCELLANEOUS**

THE POWER OF THE NEW DIGITAL DISORDER

**DAVID WEINBERGER**

COAUTHOR OF THE INTERNATIONAL BESTSELLER  
*THE CLUETRAIN MANIFESTO*





**Here Comes  
Everybody**

Clay Shirky

THE POWER OF  
ORGANIZING  
WITHOUT  
ORGANIZATIONS



Growing up assuming you can publish whatever you want to say, to whoever you want to say it, is going to make people different - Russell Davies





**WEB 2.0 "It's not an audience,  
it's a community"**

The centrality of group effort to human life means that anything that changes the way groups function will have profound ramifications for everything from commerce and government to media and religion.

Clay Shirky | Here Comes Everybody | p.16



**“To find something comparable, you have to go back 500 years to the printing press, the birth of mass media ... Technology is shifting power away from the editors, the publishers, the establishment, the media elite. Now it’s the people who are taking control” - Rupert Murdoch, quoted in Wired, July 2006**

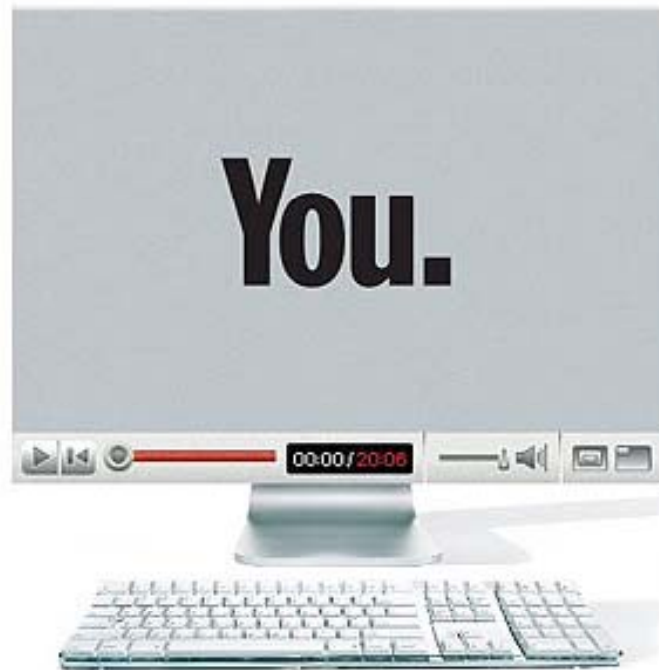


DECEMBER 25, 2006 / JANUARY 1, 2007

www.time.com

# TIME

PERSON OF THE YEAR



Yes, you.  
You control the Information Age.  
Welcome to your world.



If you generally think of the Internet as a place to “look up stuff” you’re missing the best part

Stand up!



**Leave  
it to  
Beaver**

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ALL RIGHTS RESERVED

# ACT 3

Jobs  
have  
changed

UPDATED AND EXPANDED



# The World Is Flat

A BRIEF HISTORY OF  
THE TWENTY-FIRST CENTURY

Thomas L. Friedman

"No company today, no matter how large or how global, can innovate fast enough or big enough by itself. . . . Wikinomics reveals the next historic step—the art and science of mass collaboration where companies open up to the world. It is an important book."—A. G. Lafley, CEO, Procter & Gamble



# WIKINOMICS

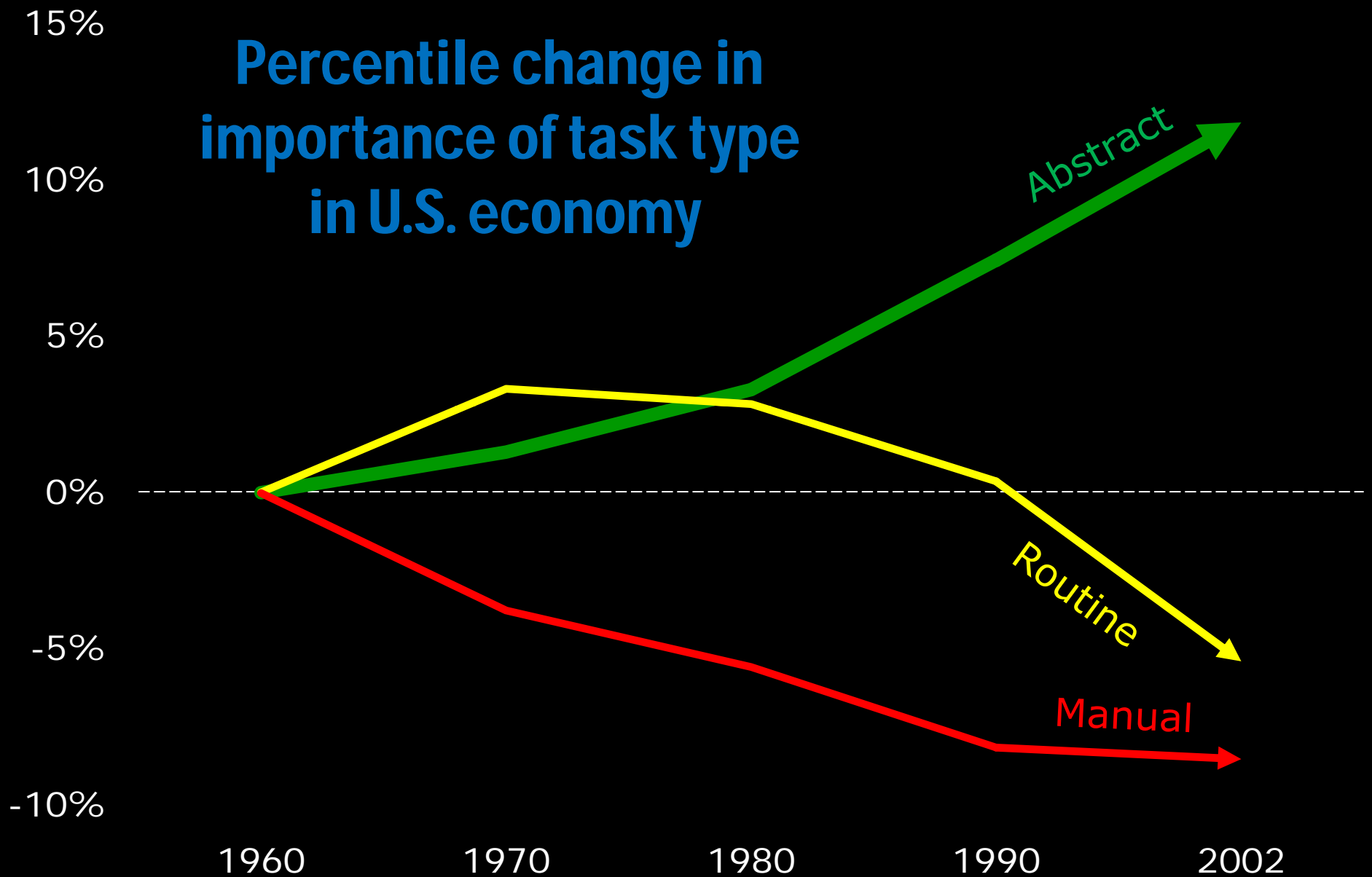
*How Mass Collaboration  
Changes Everything*

Don Tapscott

Bestselling Author of *The Digital Economy*

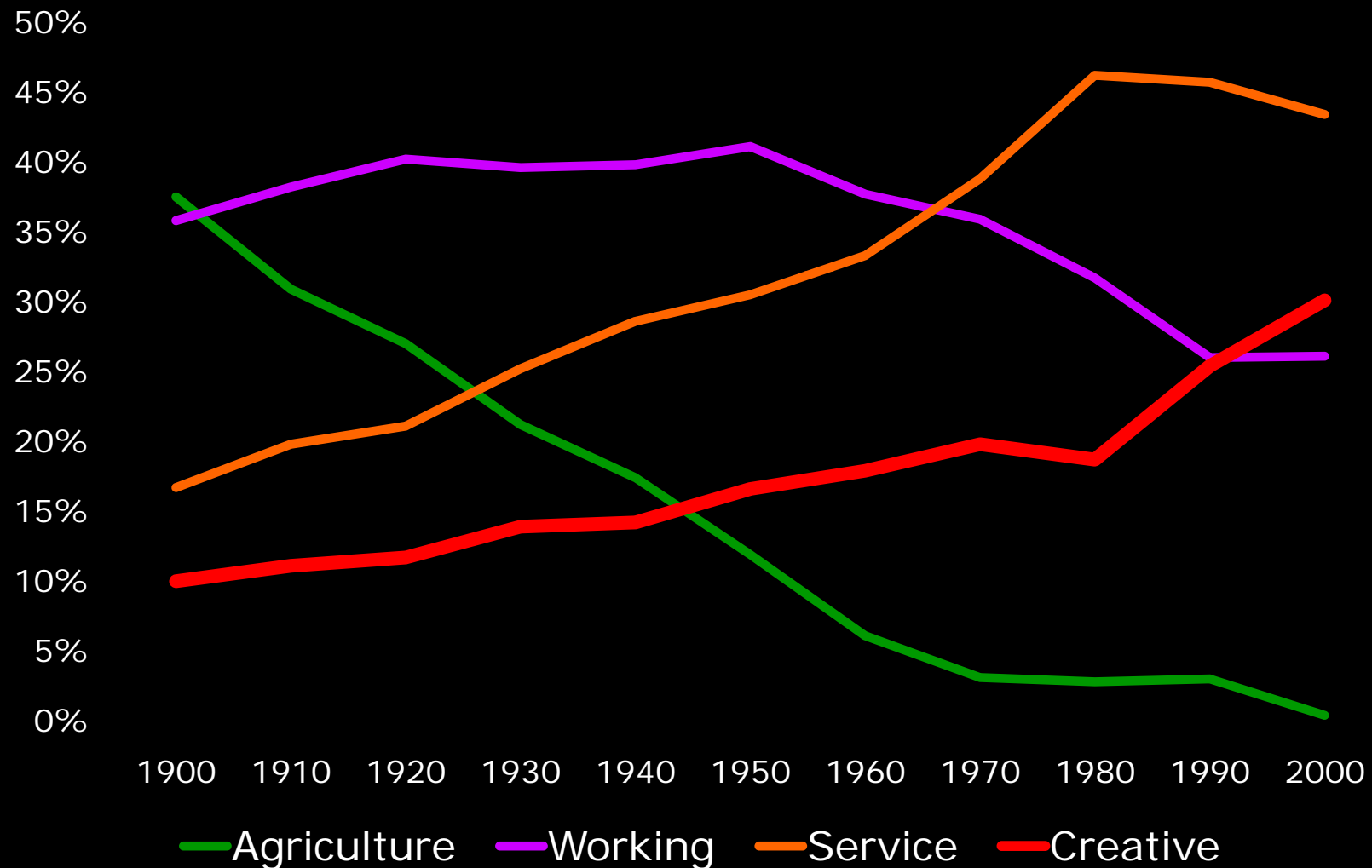
and Anthony D. Williams

# Percentile change in importance of task type in U.S. economy



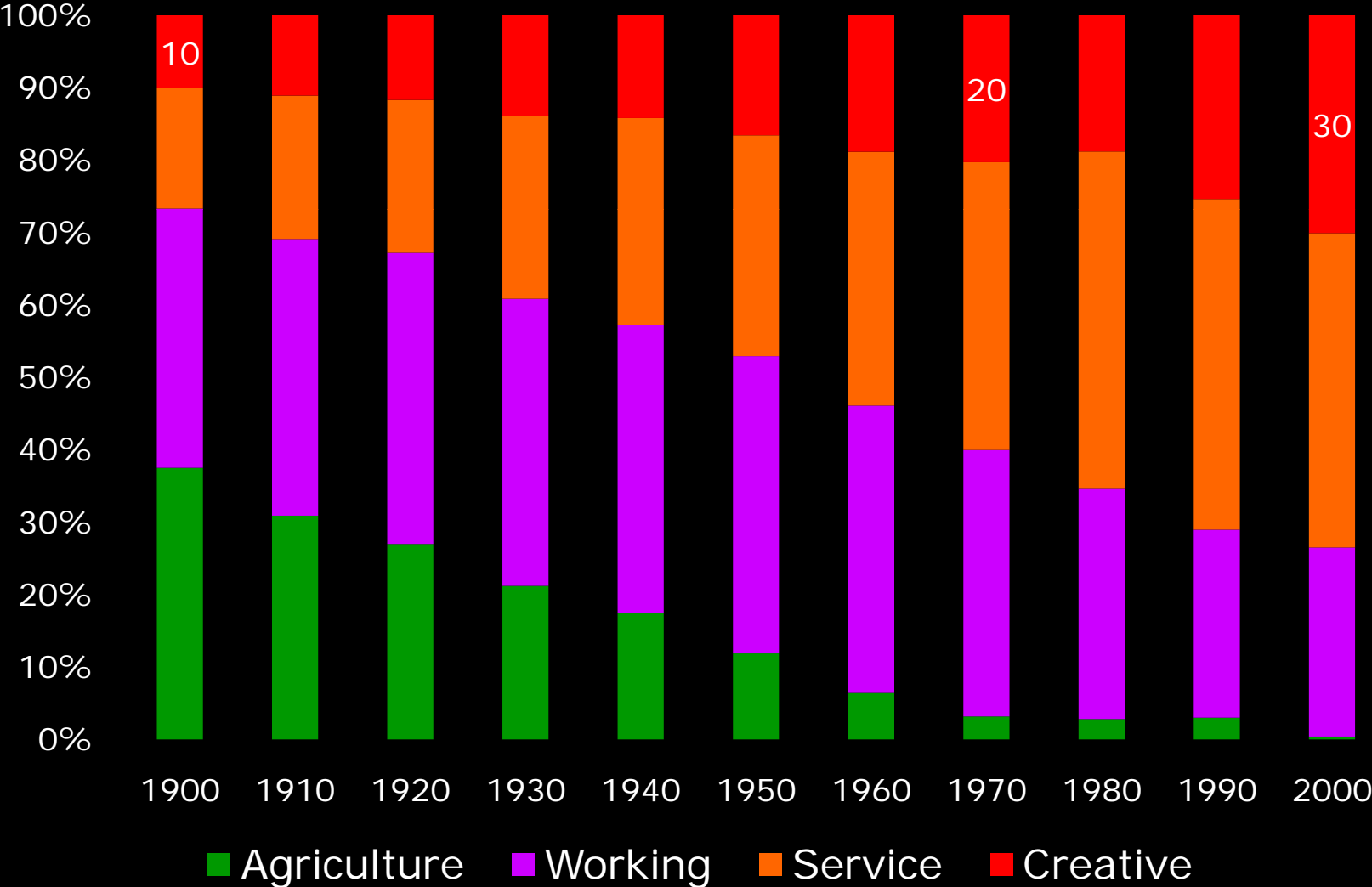
Autor, D., Levy, F., & Murnane, R. J. (2003). The skill content of recent technological change: An empirical exploration. *Quarterly Journal of Economics* 118, 4. [updated, D. Autor, 2008]

# Growth of the creative class



Florida, R. (2002). *The rise of the creative class* (p. 332). New York, NY: Basic Books.

# Growth of the creative class



**1. Can someone overseas do it cheaper?**

**2. Can a computer do it faster?**

**3. Is what I'm offering in demand in an age of abundance?**

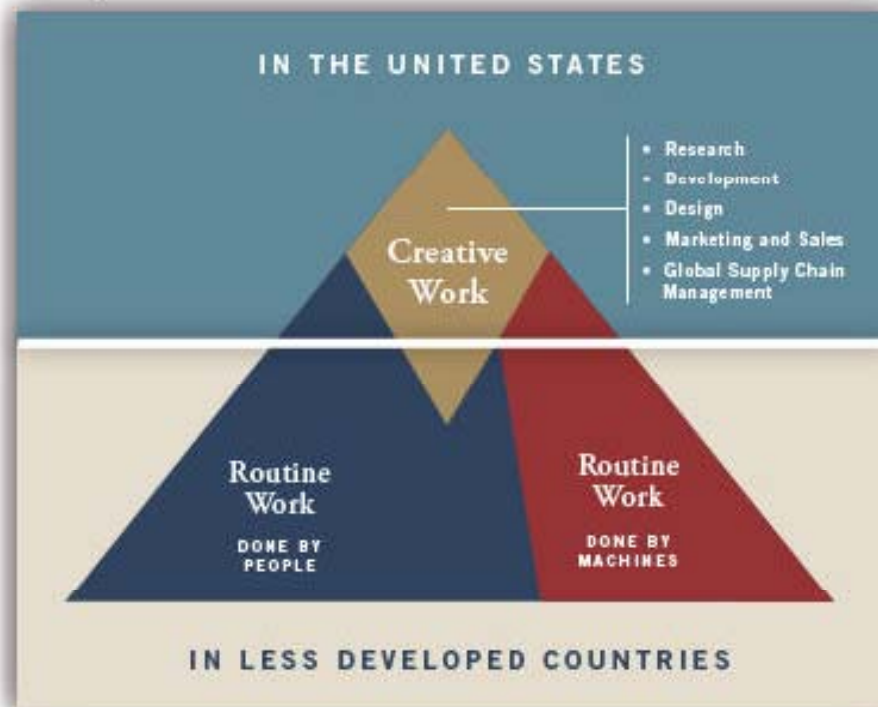




2.5 billion

## PROTOTYPICAL U.S. INDUSTRY

*in 10 years if all goes well*



**60 59 58 57 56 55 54 53 52 51**

**50 49 48 47 46 45 44 43 42 41**

**40 39 38 37 36 35 34 33 32 31**

**30 29 28 27 26 25 24 23 22 21**

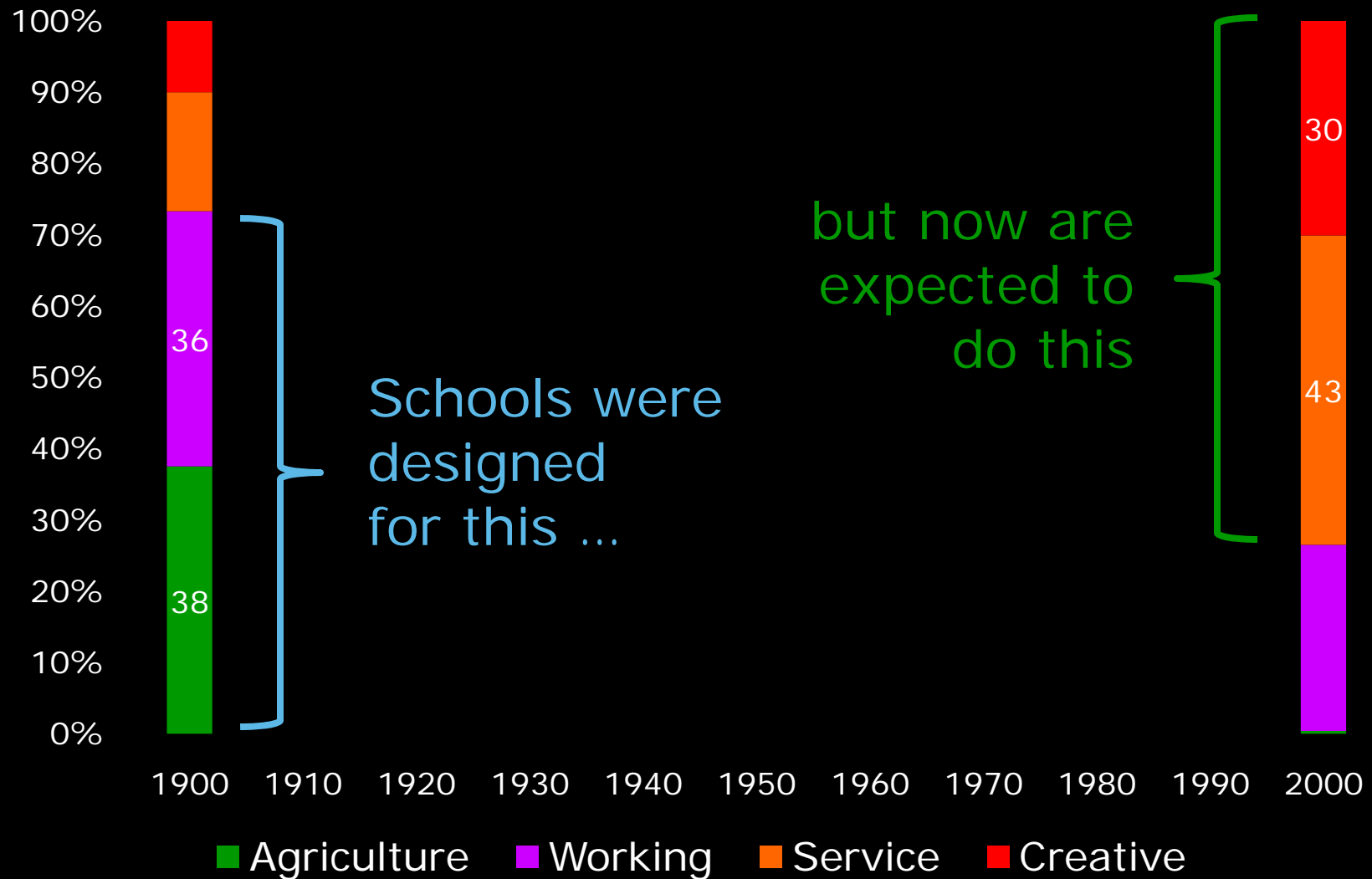
**20 19 18 17 16 15 14 13 12 11**

**10 9 8 7 6 5 4 3 2 1**

# ACT 4

Schools  
have **NOT**  
changed

# The fundamental dilemma



# TAPPING AMERICA'S POTENTIAL

The Education for Innovation Initiative

AeA

Business-Higher Education Forum

Business Roundtable

Council on Competitiveness

Information Technology  
Association of America

Information Technology Industry  
Council

Minority Business RoundTable

National Association of  
Manufacturers

National Defense Industrial  
Association

Semiconductor Industry  
Association

Software & Information  
Industry Association

TechNet

Technology CEO Council

Telecommunications Industry  
Association

U.S. Chamber of Commerce

**GOAL:**

*Double the number of science, technology,  
engineering and mathematics graduates by 2015*



# Education For Global Leadership

The Importance of International Studies and Foreign Language  
Education for U.S. Economic and National Security



A Statement by the Research  
and Policy Committee  
of the Committee for  
Economic Development





# Competitiveness Index: Where America Stands

Council on  
Competitiveness

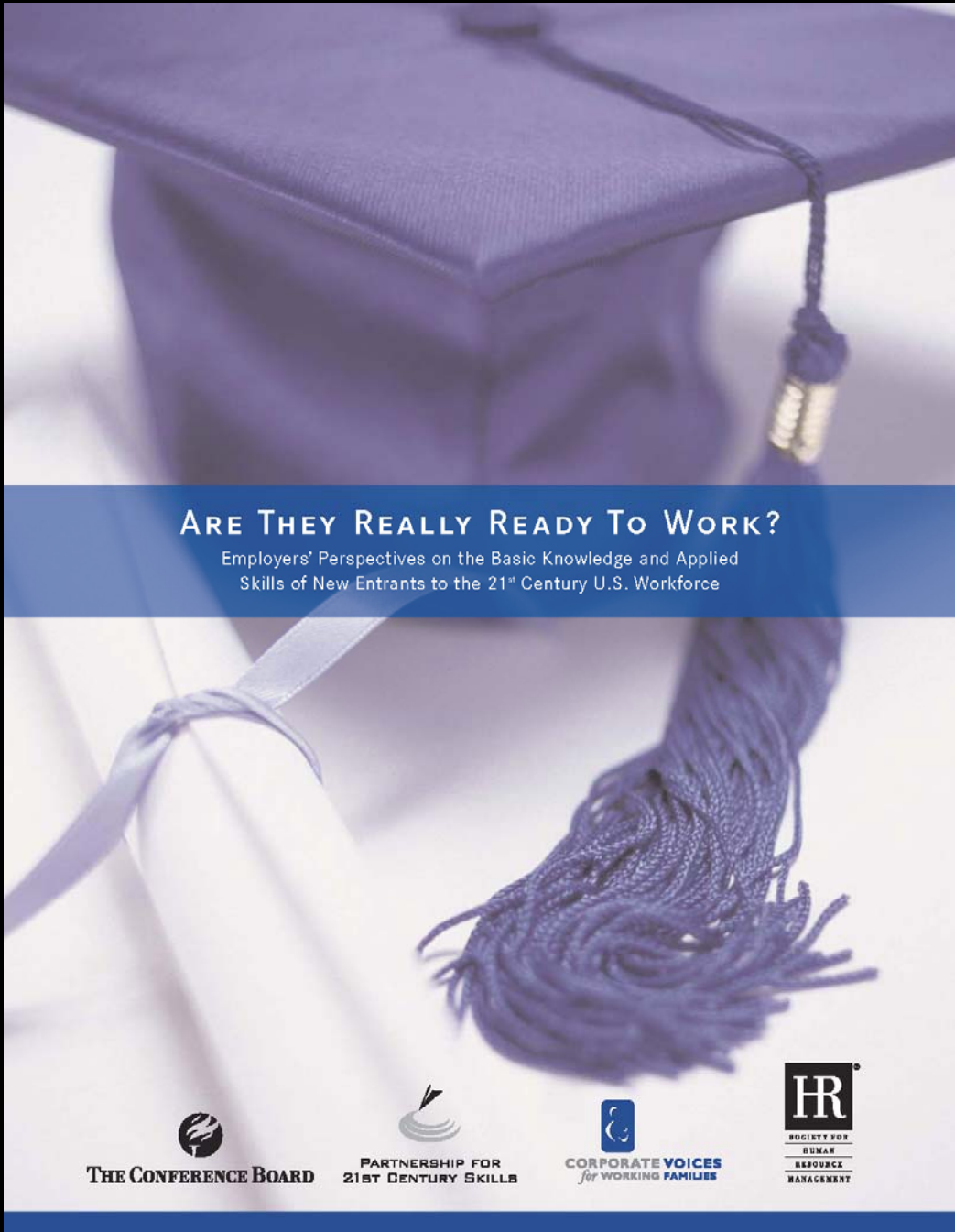
A vertical graphic of the American flag, showing the stars and stripes, positioned on the left side of the page.

EXECUTIVE SUMMARY

# TOUGH CHOICES TOUGH TIMES

THE REPORT OF THE *NEW* COMMISSION ON  
THE SKILLS OF THE AMERICAN WORKFORCE

NATIONAL CENTER  
ON EDUCATION  
AND THE ECONOMY



# ARE THEY REALLY READY TO WORK?

Employers' Perspectives on the Basic Knowledge and Applied Skills of New Entrants to the 21<sup>st</sup> Century U.S. Workforce



THE CONFERENCE BOARD



PARTNERSHIP FOR  
21<sup>ST</sup> CENTURY SKILLS



CORPORATE VOICES  
for WORKING FAMILIES



SOCIETY FOR  
HUMAN  
RESOURCE  
MANAGEMENT



U.S. DEPARTMENT OF EDUCATION



Answering the Challenge of a Changing World  
*Strengthening Education for the 21st Century*

EXECUTIVE SUMMARY

# RISING ABOVE THE GATHERING STORM

*Energizing and  
Employing America  
for a Brighter  
Economic Future*

NATIONAL ACADEMY OF SCIENCES,  
NATIONAL ACADEMY OF ENGINEERING, AND  
INSTITUTE OF MEDICINE  
OF THE NATIONAL ACADEMIES

# America's Perfect Storm

*Three Forces Changing Our Nation's Future*



*Listening. Learning. Leading.*

# EDge

MARCH/APRIL 2007 • PHI DELTA KAPPA INTERNATIONAL

Volume 2 • Number 4

The Latest Information for the Education Practitioner

## Education in the Flat World

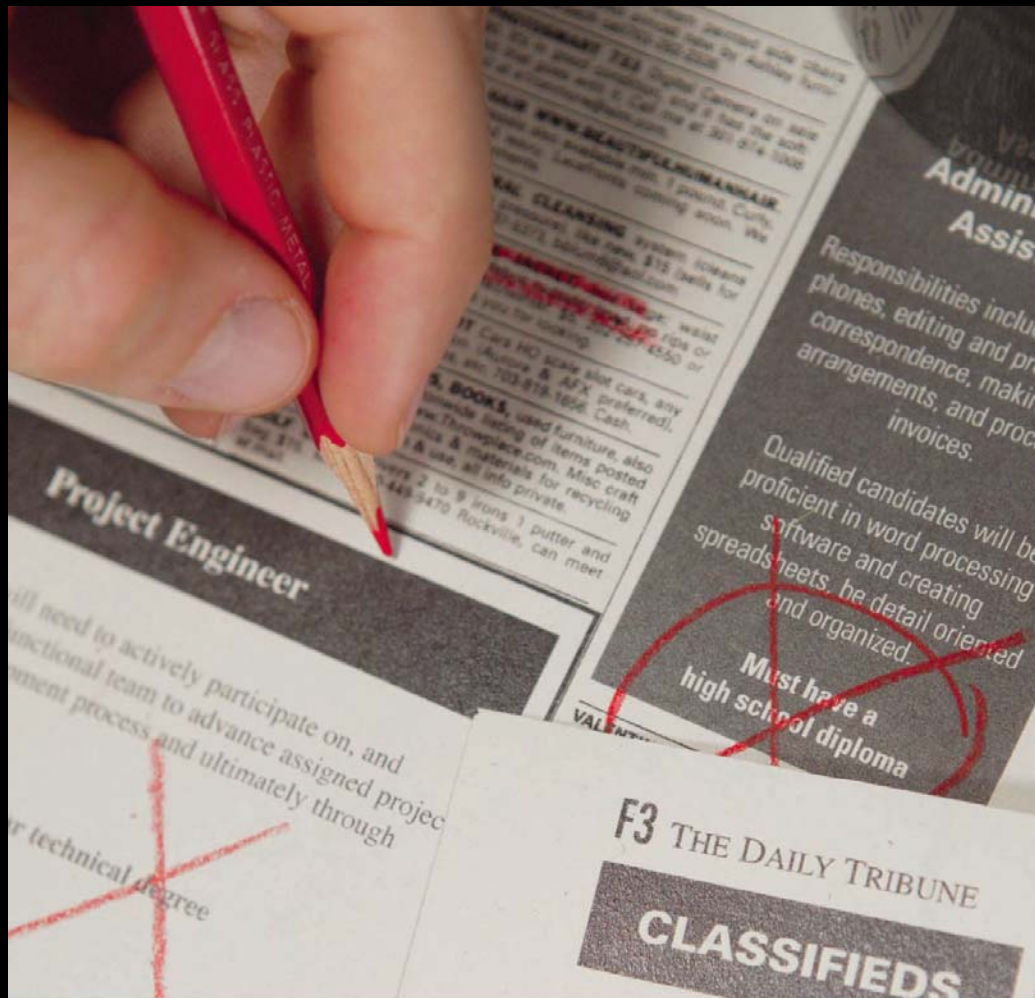
*Implications of Globalization on Education*

YONG ZHAO



**LOOK INSIDE FOR**

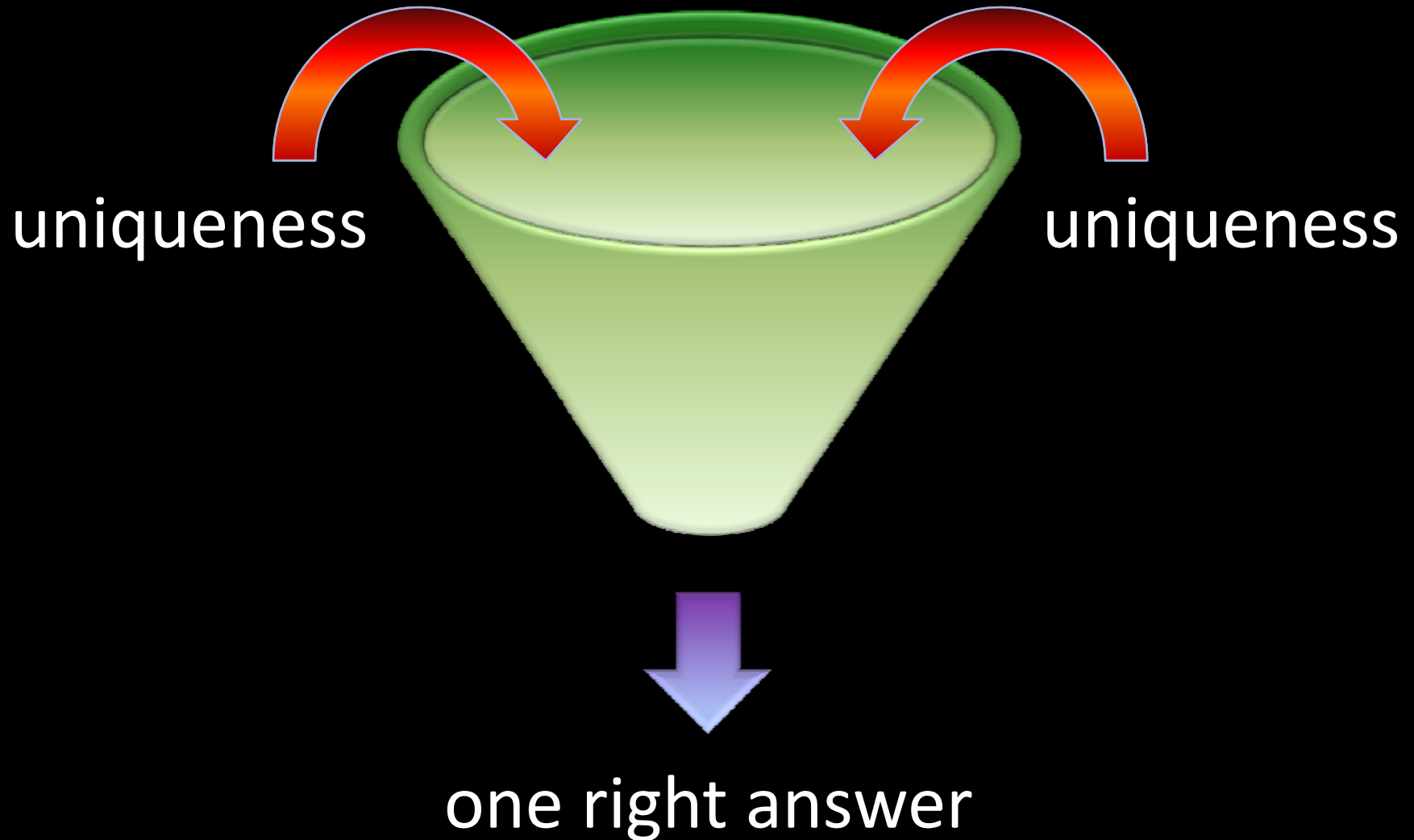
• **Executive Summary**



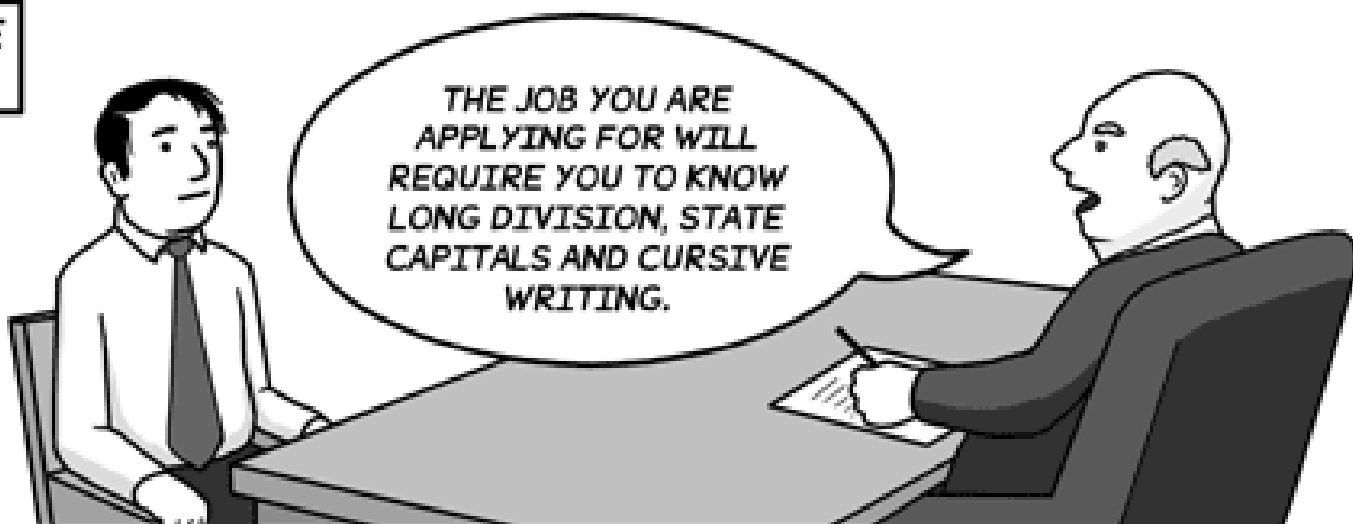
## LEADERS AND LAGGARDS:

A State-by-State Report Card on Educational Effectiveness

What we have right now



**DALE'S FOURTH-GRADE  
EDUCATION PAYS OFF.**



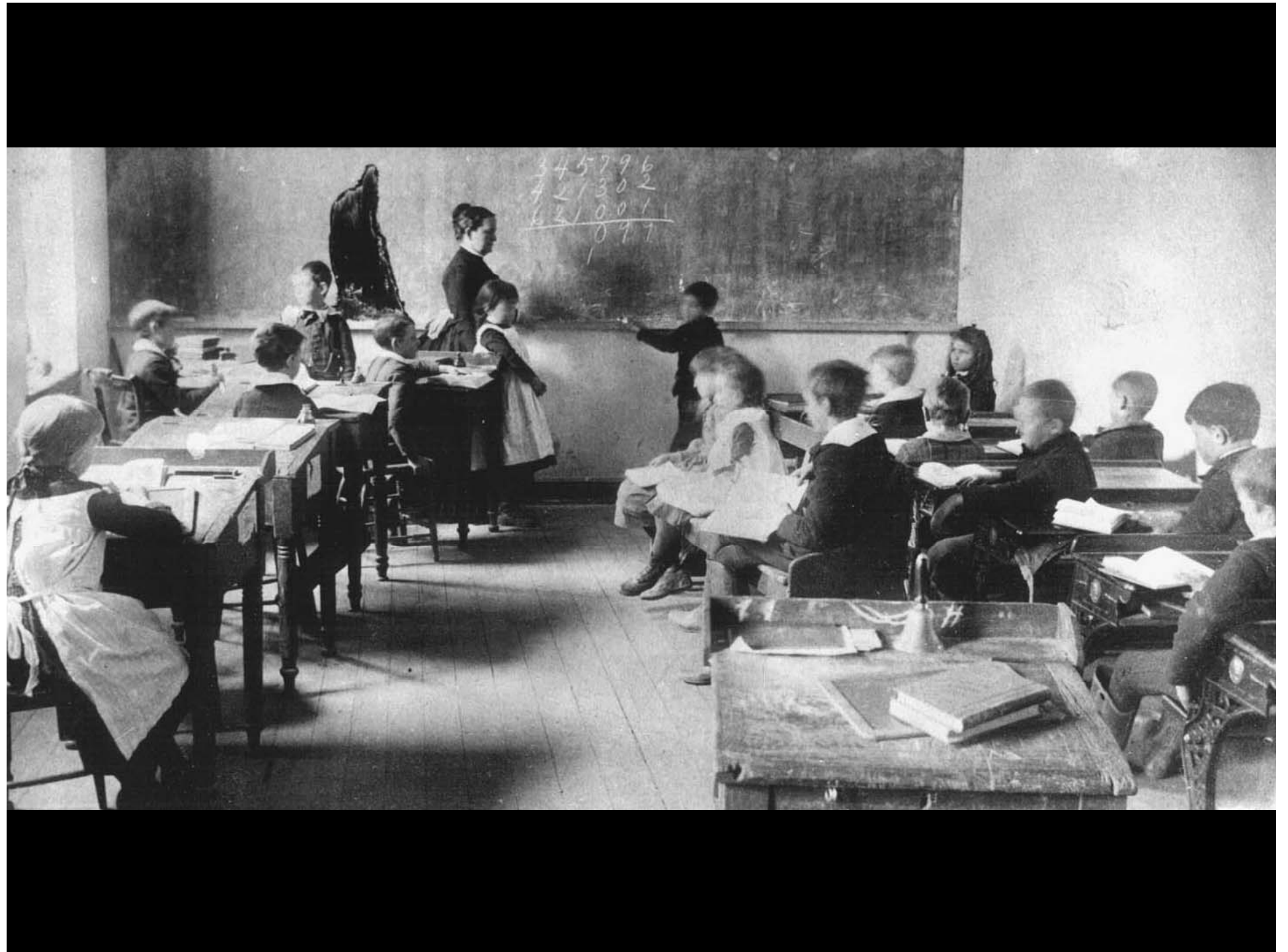
**THE JOB YOU ARE  
APPLYING FOR WILL  
REQUIRE YOU TO KNOW  
LONG DIVISION, STATE  
CAPITALS AND CURSIVE  
WRITING.**

dangerouslyirrelevant.org



What are we going to ask on our tests, when our students are walking in with Google in their pocket? Are they going to be better questions than we ask today? David Warlick





DECEMBER 18, 2006

www.time.com



**SPY STORY**  
A TALE OF POISON, POLITICS  
AND REVENGE

**THE YEAR'S BEST  
PICTURES**  
HIGHS, LOWS & HEAD BUTTS



# TIME



**How  
To Build a  
Student  
For the  
21st Century**

BY CLAUDIA WALLIS  
& SONIA STEPTOE

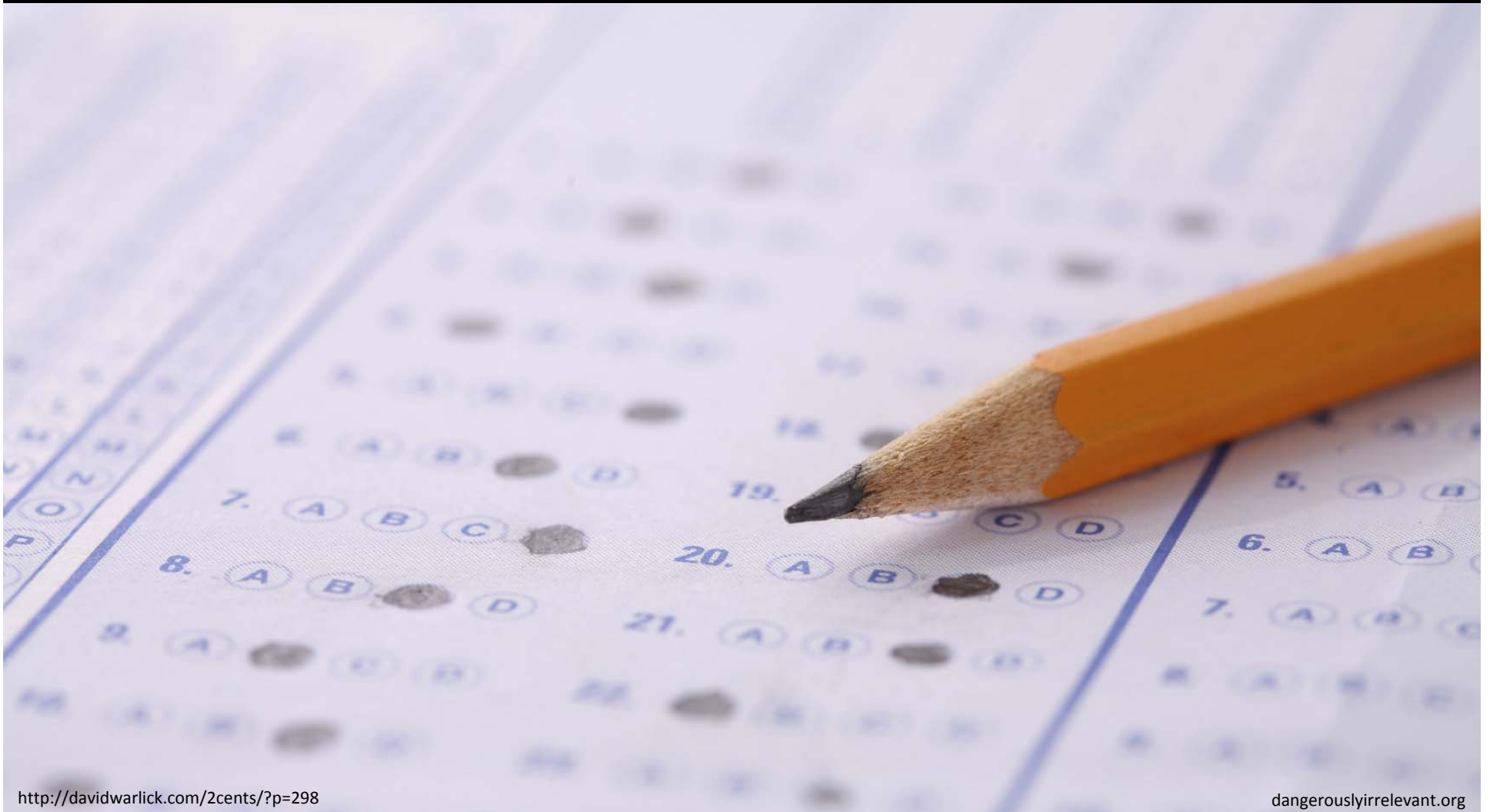


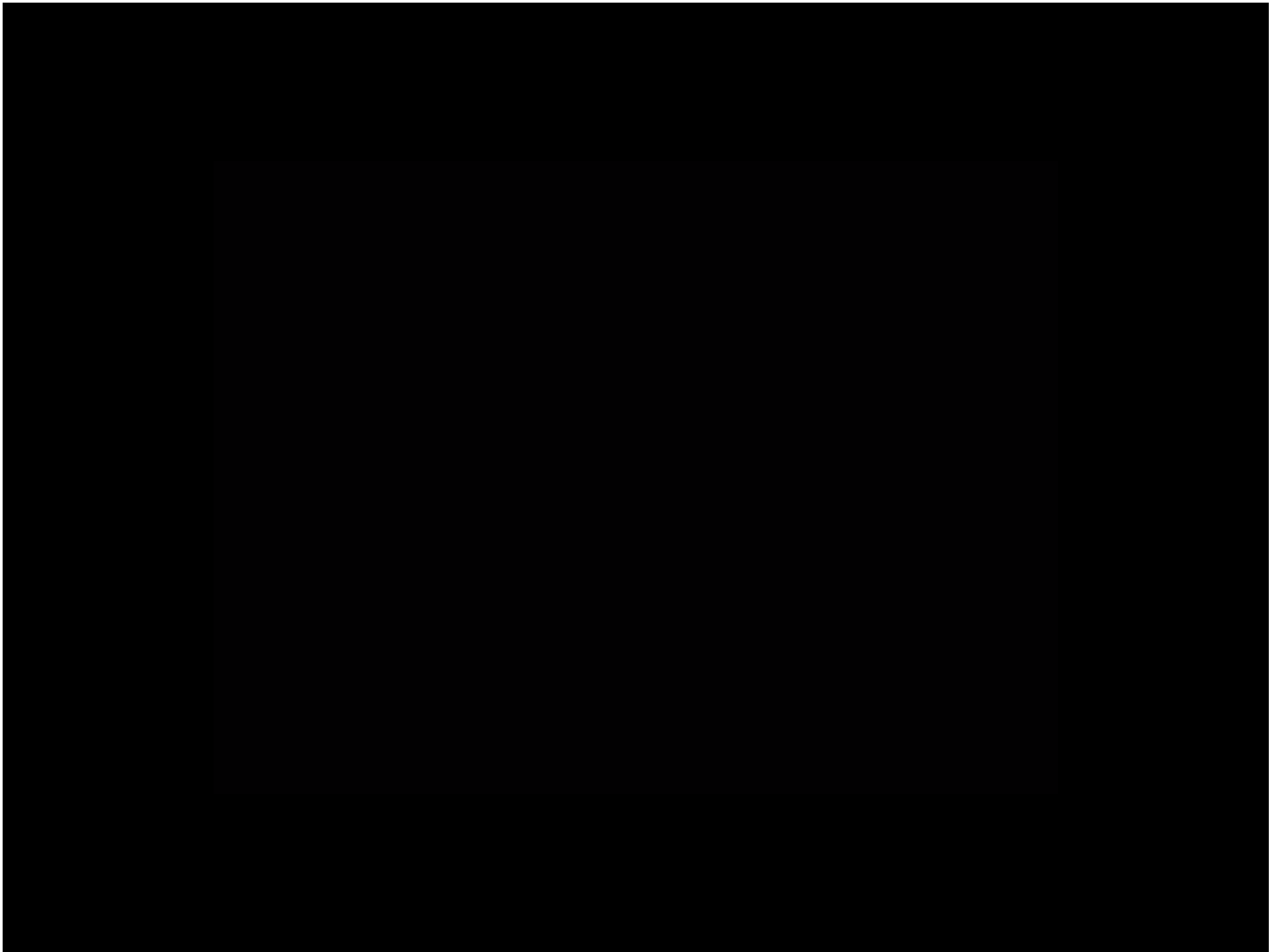
**While we teach whatever we teach at school, the kids go home and learn the skills they need to survive and prosper in an interconnected global economy.**

Clarence Fisher

**No generation in history has ever been so thoroughly prepared for the industrial age.**

David Warlick





Stand up!

# NERD

AUGUST



NERD OF THE YEAR

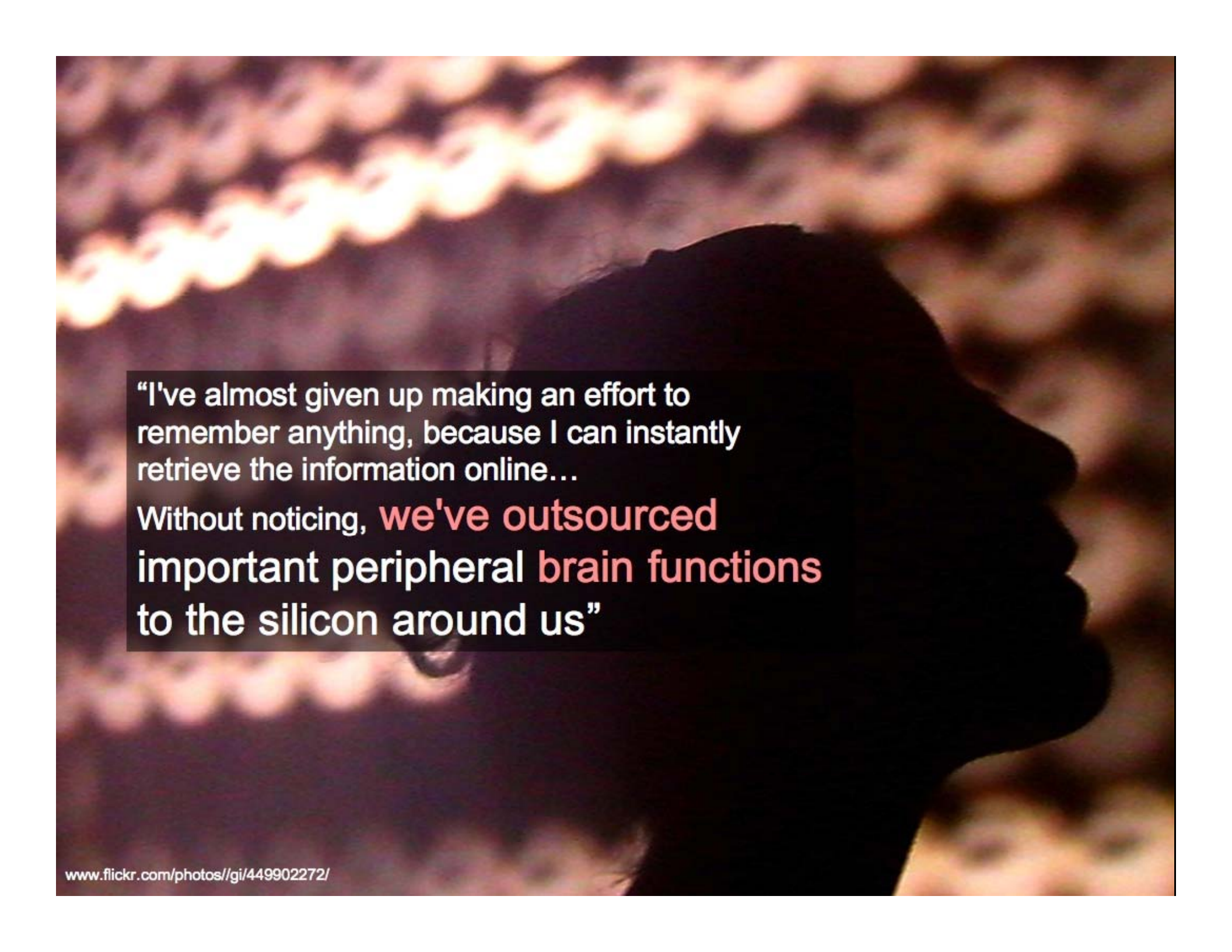


U.S.A. \$4.99  
CANADA \$5.99  
FOREIGN \$6.99

MAKE YOUR OWN MAGAZINE WITH  
**MagMyPic**

# ACT 5

Time to  
get moving!



“I've almost given up making an effort to remember anything, because I can instantly retrieve the information online...

Without noticing, **we've outsourced** important peripheral **brain functions** to the silicon around us”



A+

RACELAND  
ELEMENTARY SCHOOL



IRRELEVANT  
TO CHILDREN'S  
FUTURES

MATH

WRITING

Reading

Lever 1

global awareness

effective speaking

critical thinking

problem solving

adaptability

information literacy

collaboration

creativity

media fluency

analytical skills

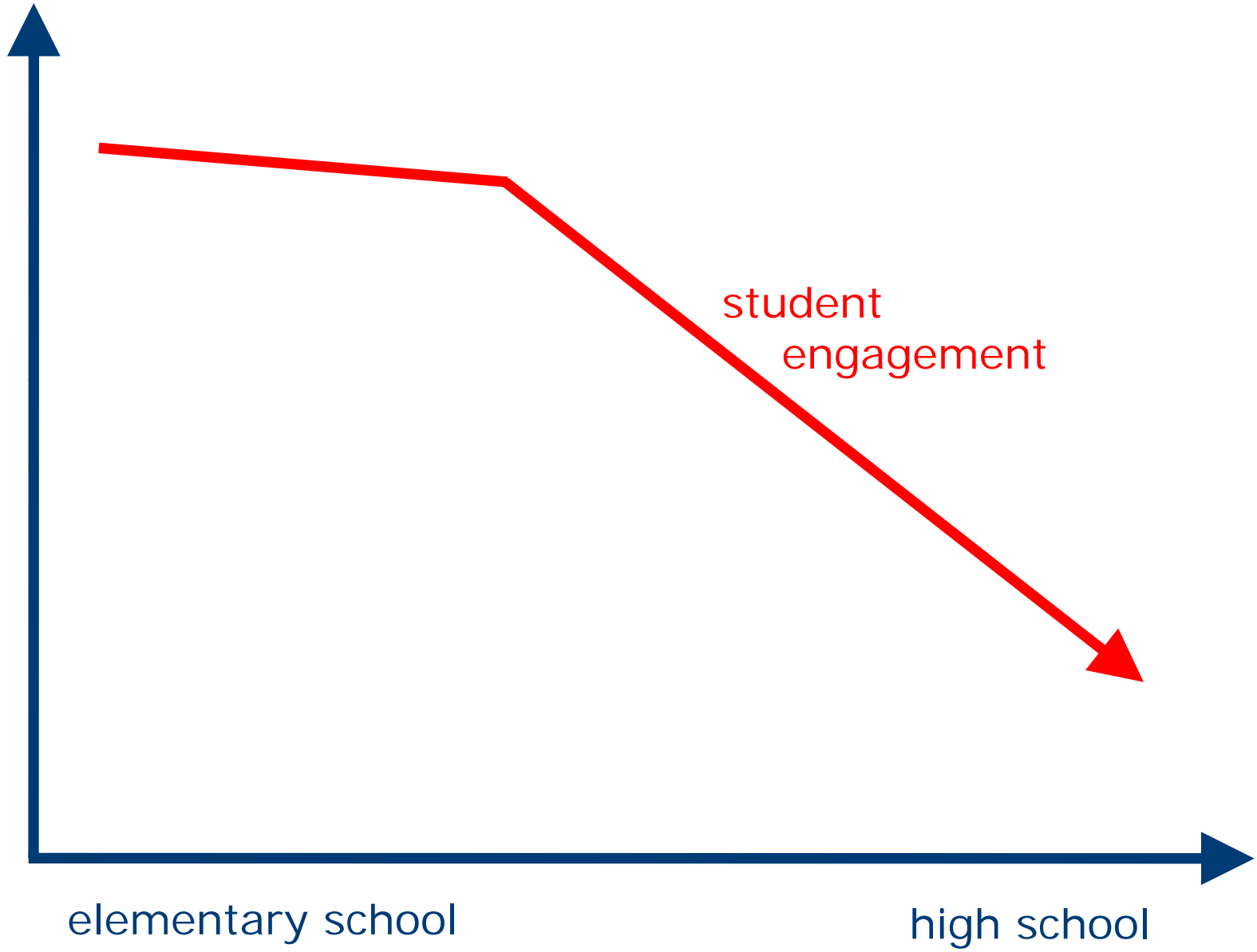
entrepreneurialism

innovation


effective writing

synthesis

curiosity





A photograph of three men on a stage. The man on the left is standing, wearing glasses and a dark jacket, holding a game controller. The man in the center is seated, looking towards the right. The man on the right is standing, wearing a dark jacket with yellow and white stripes on the sleeves, and looking towards the right. The background is a plain, light-colored wall.

**“We are fast approaching the point where an ordinary gamer is more likely to have had a child than be one”**

**- The Guardian, October 20 2005**

Lever 2

### FLVS Student Login

Username:

Password:

Passwords are case sensitive!

Login

[Forgot Username or Password](#)

**e-Learning Solutions  
for your district...**



**...in Florida and beyond.**

- click here -

**- 2-DAY WORKSHOP -**

**Learn how to set up  
your Virtual School**

## Honors and AP Course Information

### Honors Courses

If you like a challenge, we believe you should have the opportunity to try honors courses. To do so, simply alert your teacher of your goal, and then complete the honors assignments in the course. If the assignments prove to be above your skills, you may drop back to regular credit with no penalty. Just be sure to communicate with your teacher.

### Honors & AP Pre-Course Reading Lists

- [English I](#) (pdf format)
- [English II](#) (pdf format)
- [English III](#)
- [English IV](#) (pdf format)
- [AP Literature](#) (pdf format)
- [AP Language and Composition](#)

**“I learned more than I expected to in an online course and am now prepared to take the AP exam.”** - Lauren, U.S. Government and Politics student

## Advanced Placement (AP)\* Courses

- [AP Art History](#)
- [AP Biology](#)
- [AP Calculus AB](#)
- [AP Computer Science A](#)
- [AP Language and Composition](#)

- [AP Literature and Composition](#)
- [AP Macroeconomics](#)
- [AP Microeconomics](#)
- [AP U.S. Government and Politics](#)
- [AP U.S. History](#)

Lever 3

**NO SMOKING**  
F101

**OXYGEN**



**1073**



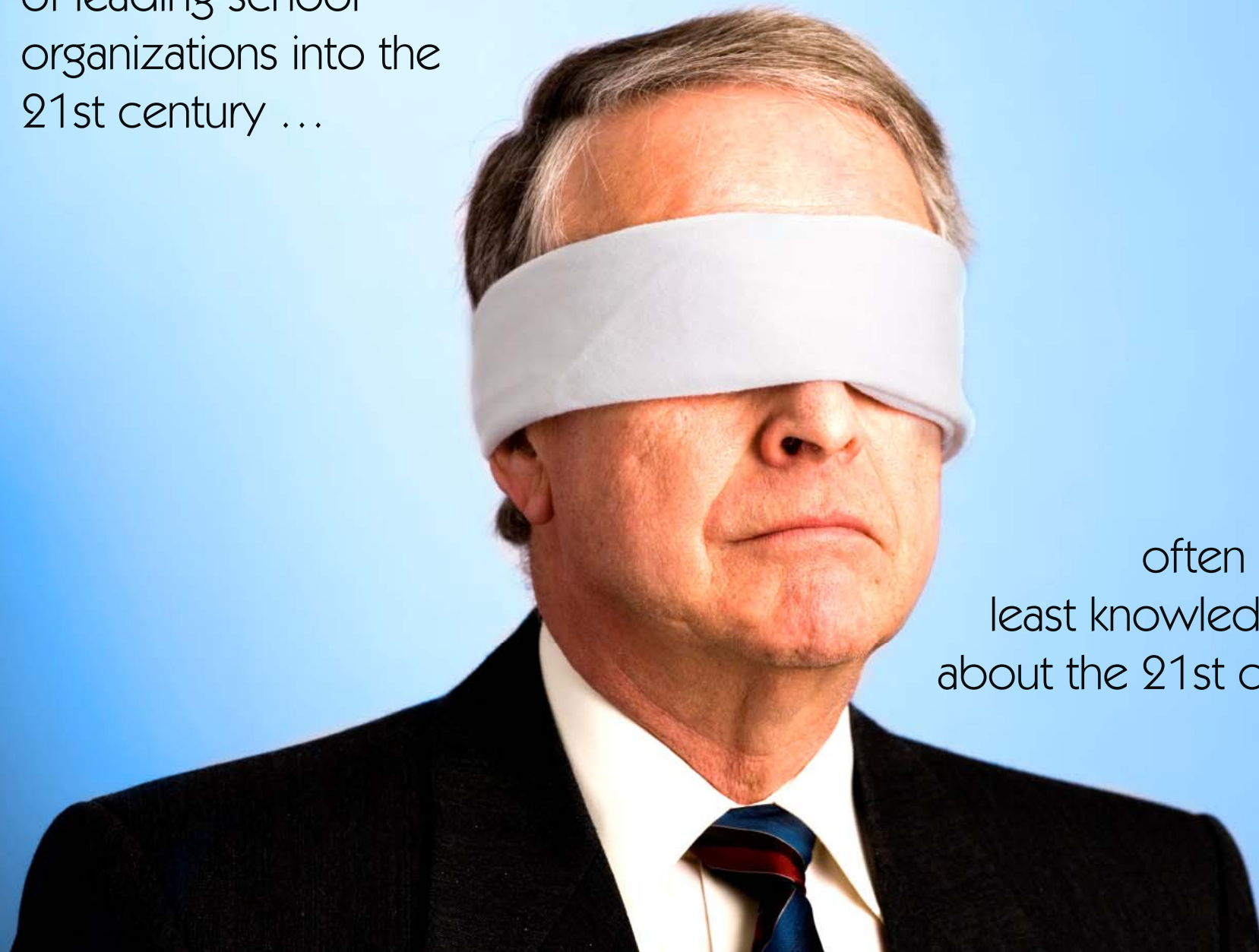




Lever 4

The people in charge  
of leading school  
organizations into the  
21st century ...

often are the  
least knowledgeable  
about the 21st century.



If the leaders  
don't get it,  
it's not going  
to happen.



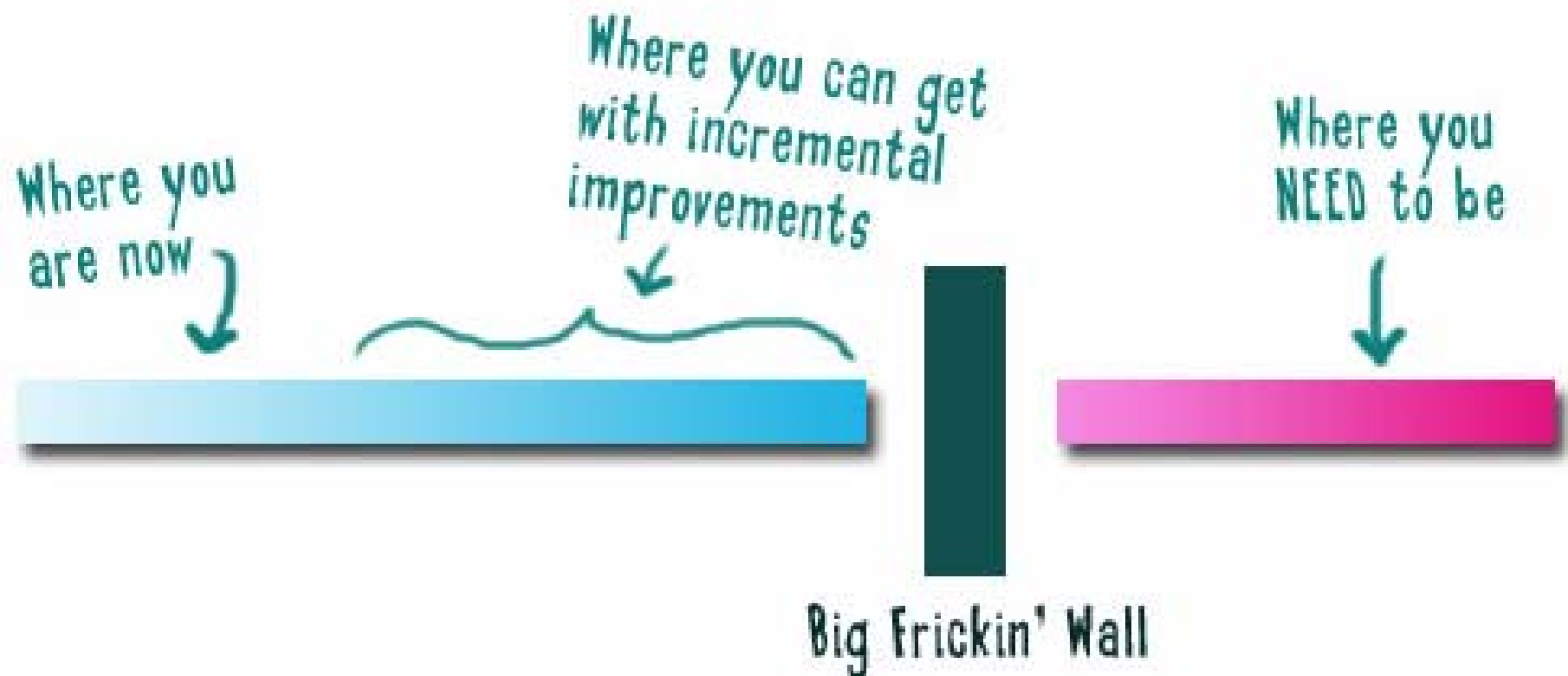


The Future

NEXT EXIT 



# Incremental vs. revolutionary improvements...





dangerouslyirrelevant.org

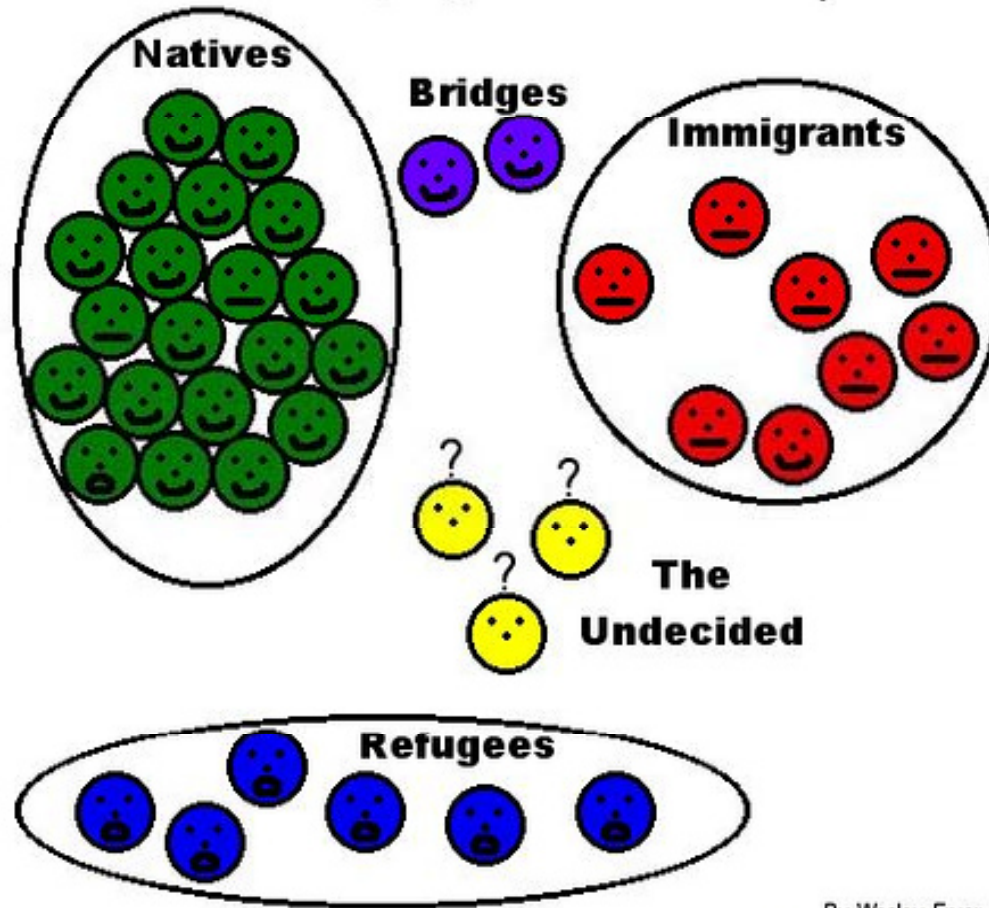
/www.flickr.com/photos/midnight-digital/3086238863/in/pool-jumping

No one  
jumps a  
20 foot  
chasm  
in two  
10 foot  
jumps.

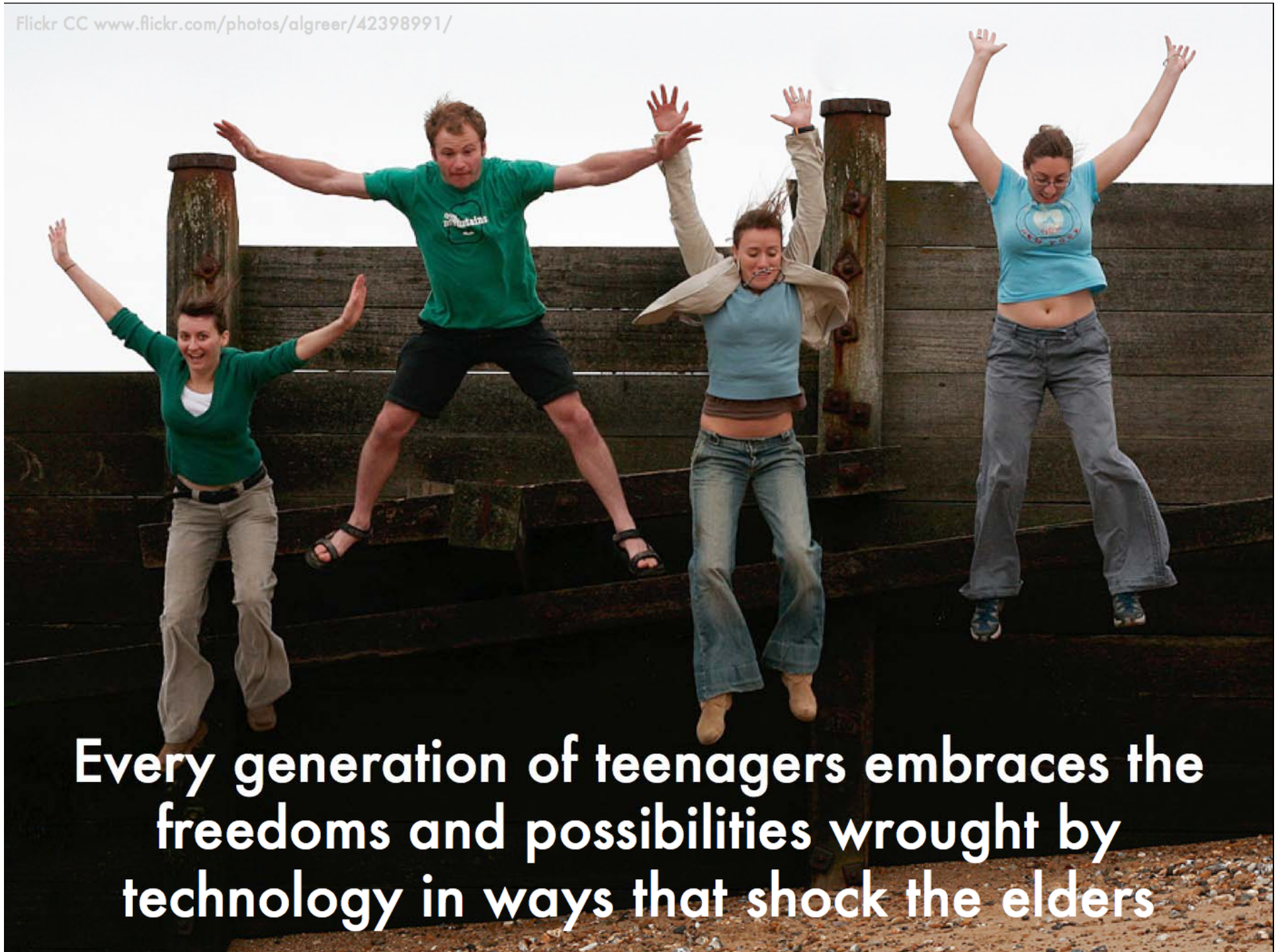
Miguel Guhlin



# ☆ Our Digital Landscape



By Wesley Fryer  
[www.speedofcreativity.org](http://www.speedofcreativity.org)



**Every generation of teenagers embraces the freedoms and possibilities wrought by technology in ways that shock the elders**

“Groups of friends crave connectedness, and they achieve it by swapping photos, music, and video clips, immersing themselves in a **shared chronicle of daily life**”

- Business Week, December 4 2006





**No one will thank you  
for taking care of today  
if you have failed  
to take care of tomorrow.**

Joel Barker

**URGENT**

# Thank you!

Scott McLeod, J.D., Ph.D.

Director, CASTLE

[scottmcleod.net/oklahoma](http://scottmcleod.net/oklahoma)