The New Yardstick For Education
Common College Outcome

• Communication:
  – Nonverbal
    • Haptics
    • Objectics
    • Proxemtics
    • Chronemics
    • Optics
    • Vocalics
    • Kinesics
  – Mirroring
Kinesic Mirroring: Modern Communication

2007 NYTimes
“The majority of communication in the workplace occurs over email and chat today.”

2009 WSJ:
“…leading more and more Fortune 500 companies to ask if future employees have taken an online class.”
Week 2: Credibility & Outlines (Oct 12 - Oct 18)

Muscle Settings
- Right Eye
  - Superior rectus
  - Inferior rectus
  - Medial rectus
  - Lateral rectus
  - Superior oblique
  - Inferior oblique

- Left Eye
  - Superior rectus
  - Inferior rectus
  - Medial rectus
  - Lateral rectus
  - Superior oblique
  - Inferior oblique

Cranial Nerve Settings
- Right Eye
  - CN III
  - CN IV
  - CN VI

- Left Eye
  - CN III
  - CN IV
  - CN VI

Check boxes to enable muscles and cranial nerves

Quiz Mode
EyeTheory
Credits
Online Gym Class
Dr. Jeff D Borden
Dr. Jeff D Borden
Learning Today
Extending Learning Agenda

• Why Extend?
  – Reform
  – Connection

• Learning Psychology?
  – Lecture

• Fishing
  – 10 in 10
  – Create – Consume – Remix
    - Share
Why?
Why?
We Know The Problems...
What’s Wrong With Education?

For every 100 9th graders:
- 68 graduate on time.
- Of those, 40 enroll directly in college.
- Of those, 27 are still enrolled the following year.
- Of those, 18 earn a degree within 3 or 6 years (A.A., B.A., etc).

-- National center on education and the economy ncee.org
Are Students Life-Ready?

- 2008 Oxford Survey of “Most Important Employee Skills”
- Employers said employees achieved 15% of these regularly
We Know Reform...

Dan Meyer: Educator

Dan Meyer is exploring the way we teach teachers to teach kids.
We Know Reform...

- Tyson says its Krisp N’ Krunchy patties,
- “...yield up to 7,200 EXTRA servings per diverted truck of chicken compared to similar chicken patties from other manufacturers.”
- Tyson Website – “Tools for Chicken Reprocessing”
SLEEP NEEDS, PATTERNS, AND DIFFICULTIES OF ADOLESCENTS

SUMMARY OF A WORKSHOP

Forum on Adolescence

Mary G. Graham, Editor

Board on Children, Youth, and Families

Commission on Behavioral and Social Sciences and Education

National Research Council

and

Institute of Medicine

NATIONAL ACADEMY PRESS

Washington, D.C.
We Know Research...

Original Report

Just Do It?
Many Schools Cutting Gym Class

By Geraldine Sealey

Sept. 30 — Just as kids are being told to exercise more to stave off obesity and improve health, they're finding fewer opportunities to break a sweat during the school day.

In high school only about one third of students have daily gym classes. (clipart.com)

Gym classes are being sacrificed across the country to save money and satisfy federal mandates stressing test scores in math and reading.

A little more than half of students nationwide are enrolled in a physical education class, and by high school only a third take gym class daily, according to the National Association for Sport and Physical Education.
But Students Still Demand Technology…

• The average American student’s College / University is _____ miles from where the student lives:
  • 1980: 5m
  • 2006: 50m
  • 2009: 78m

• *Eduventures, 2009*
Technology Demands Purpose

“Students know when technology without purpose is being imposed on them.”

- Allan Heap, Center for Internet Technology

Welding, Telescopes, Automotive, Microscopes, Cadavers, Architecture Software, Bridge Construction Tools, Etc
Connection Changes Everything
Earthquake Reporting

7.1-magnitude quake hits China's Qinghai province

At 7:49 a.m. on April 14 (Beijing time)

96.7 degrees east longitude
33.1 degrees north latitude

Chinese Earthquake Networks Center

Depth: about 33 km.

According to the China Earthquake Networks Center

Map of China showing the location of Qinghai and Sichuan provinces.

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**Chinese Earthquake Details**

**Magnitude**: 6.9

**Date-Time**: Tuesday, April 13, 2010 at 23:49:38 UTC

**Location**: 33.224°N, 96.666°E

**Depth**: 17 km (10.6 miles) set by location program

**Region**: SOUTHERN QINGHAI, CHINA

**Distances**:
- 235 km (145 miles) NNW of Qamdo, Xizang (Tibet)
- 385 km (240 miles) SSE of Golmud, Qinghai, China
- 525 km (325 miles) SSE of Da Qaidam, Qinghai, China
- 1905 km (1190 miles) WSW of BEIJING, Beijing, China

**Location Uncertainty**: horizontal +/- 6.4 km (4.0 miles); depth fixed by location program

**Parameters**: 
- Nst= 83, Nph= 83, Dmin=654.3 km, Rms=1.12 sec, Gp= 32°
- M-type=centroid moment magnitude (Mw), Version=9

**Source**: USGS NEIC (WDCS-D)

**Event ID**: us2010vaczp
First Hour of Earthquake

Top 10 URLs with most clicks in the last hour

5. http://www.bbc.co.uk/blogs/technology/2008/05/twitter  19
7. http://www.iceex.es/iceex/cda/controller/page/0.2956.3  16
Earthquake Photos
Buy It Now…
Medicine / WebMD
Dating / eHarmony – 20%
Banking / eBanking
Friendships

- Alexandre Roche
  - Facebook
  - co-workers
- Anikka Fragodt
  - Facebook
  - co-workers
- Ankur Pansari
  - Facebook
  - co-workers
- Aubrey Obata
  - Facebook
  - co-workers
- Cameron Marlow
  - Facebook
  - co-workers
- Leah Pearlman
  - Facebook
  - co-workers
- Meredith Chin
  - Facebook
  - co-workers
Credibility
Secrets

I've been married for 8 months. My parents don't know... and I honestly don't think they deserve to.
I've been sitting here listening to these people make fun of me for 40 minutes.

Should I let them know I speak Vietnamese?

Today I found out my family secret. My grandfather was gay, and the only person who knew Was my amazing grandma. They raised a family together. They were best friends.
Education
Schools: Anti-Connected?

- Cell Phones
  - Smart Phones
- Laptops
- Tablets
- Apps
  - Wolfram Alpha
- Websites
  - Wikipedia
Education...Connected?
The College Experience: A BLUEPRINT FOR SUCCESS with Professor Richard Light

“The message that emerges is simple. Listening to students, gathering information, and then sharing the cumulative synthesis of their own information with others is a big winner.”
Social Learning Matters

- 1990: 55% of science majors stayed majors
- 2000: 63% of science majors stayed majors
Tension Leads To Better Learning

- What was your favorite course?
e-vangelists vs C.A.V.E. People
Connecting To Perception

- **Internal Perception**
  - What you believe to be true.

- **External Perception**
  - What others believe to be true about you.
  - What is your favorite ice cream flavor?

I’m Funny  He Thinks He’s Funny
Mark Edmundson
Eliminating Diversity

Marc Prensky, who argues that the gaming-playing generations (current and future
reviewer noted that her kids “opted for
Given the emerging promise of inter-
active technologies, it is not surpris-
ing

Even if the lecturer is charismatic, holding the attention of several hundred
students for an entire lecture of fifty
minutes or longer is impossible.

students) are fundamentally different from those who have not spent thou-
sands of hours playing digital games. Although successful studies have not yet
Sunday.” She added: “Little did they know
they were studying geography, beefing up
their reading comprehension, adding
with fractions, and learning about
that a major foundation has already
funded a videogame for higher edu-
cation. Designed to teach the skills and
knowledge required to prepare a college

ALWAYS LEARNING

PEARSON
Dr. Eric Mazur
Brain Activity: Eric Mazur
Lecturing

Percentage of Class Time Allocated to Lecturing by Course Level and Academic Discipline

National Survey of Student Engagement, USA 2006
Orthographic Lexicon

Figure 1. An IA model of visual word recognition extended to affective processing (adapted from McClelland & Rumelhart, 1981, and from Ferrand et al., 2006). Inhibitory connections are represented by dots. Facilitatory connections are represented by arrows. The A connection corresponds to a direct pathway between the orthographic word level and the affective system. The B connection represents response inhibition.
Retention Aids Based On Brain Research
Neural Coupling
Narrative’s Pathos
Going Fishing
Teaching You To Fish

- Aggregators
- Social Bookmarking
- Google
Social Bookmarking
Don’t Forget Access

- www.prezi.com
There’s An App For That...

What Twijector is...

Twijector is a real-time twitter wall for conferences, events, cafes and classrooms.

Hint: enter your hash-tag and press “Start” button.

#follow  Start!
Persuasion Profiling: Assimilation

• Roger Ebert: Too many sub-plots and not enough continuity make me give this a thumbs down!
• Average Entertainment Grade from 15 critics: B+
• Yelp Score: 3.2/5 Stars
• Your Mom: I was moved to tears and I want to share this movie with you. Trust me, you’ll love it.

• (Text # to 22333)
Motivation
EduCreations
Wolfram Alpha
Skitch

Where will I get my picture?

Arrow

Words

Shapes

Texta

Colours

Crop

Pixelise

Resize

To go back a step

Share

Touch an object to move it

http://www.appsineducation.blogspot.com
Team Viewer
Edu-Blogger:

- YouTube Video: Have You Been Paying Attention?
- “...Has anyone seen this garbage? Students don’t need to remix anything! Educators must teach them to be original, have original thought, and do original work! Imagine if society worked this way.
- We’d still be hoping someone would invent the rolling stone so as to create a wheel. Imagine a world where using other people’s work to create your own was ok.
- We’d never have gotten past the toaster to see the benefits of the microwave. We’d never have gotten past swing music to experience amazing original works like Elton John’s “The Lion King” or other seminal works...”
Remix, Sample or Steal?

- 1996 - Can You Feel The love Tonight?
- Save tonight, fight the break of dawn, come tomorrow, tomorrow I’ll be gone...
- You’re beautiful! You’re beautiful!
- If I could, then I would, I’ll go wherever you will go, way up high, or down low, I’ll go wherever you will go...
- Never mind, I’ll find someone like you - I wish nothing but the best for you too...
Remix, Sample or Steal?

1989 - Harry Truman, Doris Day, Red China, Johnnie Ray, South Pacific, Walter Winchell, Joe DiMaggio, Joe McCarthy, Richard Nixon, Studebaker, television, North Korea, South Korea, Marilyn Monroe...

1989 - Wherever you go - whatever you do, I will be right here waiting for you...

1987 - I think we’re alone now, there doesn’t seem to be anyone around...

1984 - We’re not gonna take it, no we ain’t gonna take it - we’re not gonna take it anymore...
Remix, Sample or Steal?

See the stone set in her eyes, see the thorn twist in her side, and I’m waiting for you, with or without you
Remix, Sample or Steal?

1984 - Take on me, Take me up, I’ll be gone

?????

1981 - Just a small town girl - living in a lonely world
- she took the midnight train going anywhere

1980 - I come from a land down under, where women
roll and men thunder...
Remix, Sample or Steal?

1976 - On your mark, get set, and go now - gotta dream and we just know now

1970 - When I find myself in times of trouble, Mother Mary comes to me, speaking words of wisdom, let it be

1961 - When the night has come, and the land is dark, and the moon is the only light we’ll see

1790?!?!?!
Confluence

OpenClass

Tell
Review
Practice
Show
Do

Ask

ACC BUS CIS ECO FIN HUM LEG MAT MKT POL PSY SOC

ALWAYS LEARNING

PEARSON
Thank You

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