



International Center for
Leadership in Education

Rigor and Relevance For ALL Students

Bill Daggett
Founder and Chairman
June 9, 2016



What has changed?



Our Students

What has changed?



Our Students How they
communicate
and interact

What has changed?



Our Students How they The
communicate workplace
and interact and society

What has changed?



But ...

Schools are Functioning in a Box

- 5½ hours per day
- 180 days per year



Emerging Trends

Post-Common Core Era

**Standards used to be about
WHAT**

**but have shifted to
HOW**


in the post-Common Core Era

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Federal Role in Education

- Every Student Succeeds Act (ESSA)



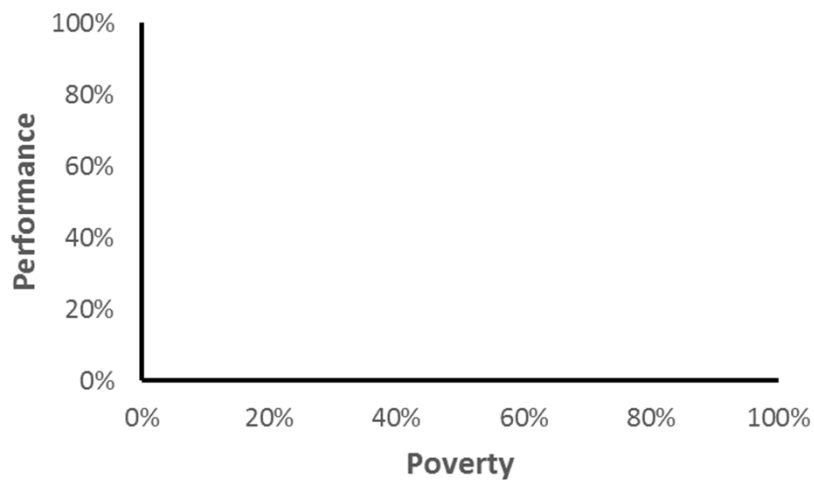
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The Nation's Most Rapidly Improving Schools

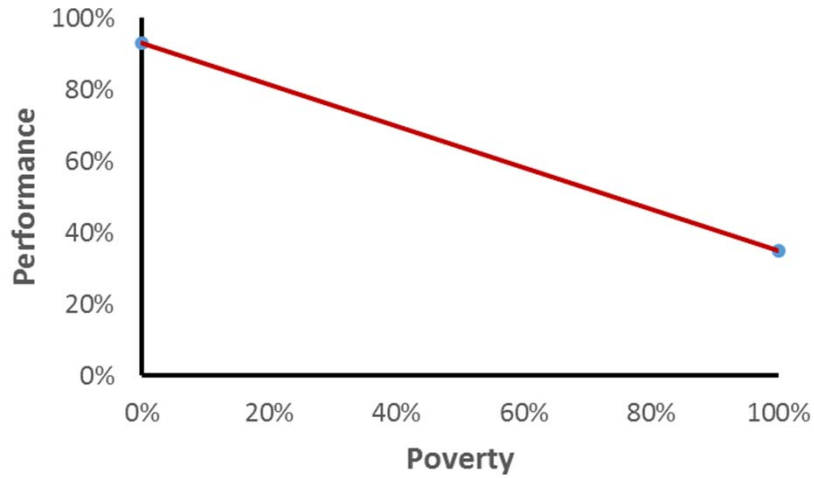
- Informed ESSA

Nation's Most Rapidly Improving Schools



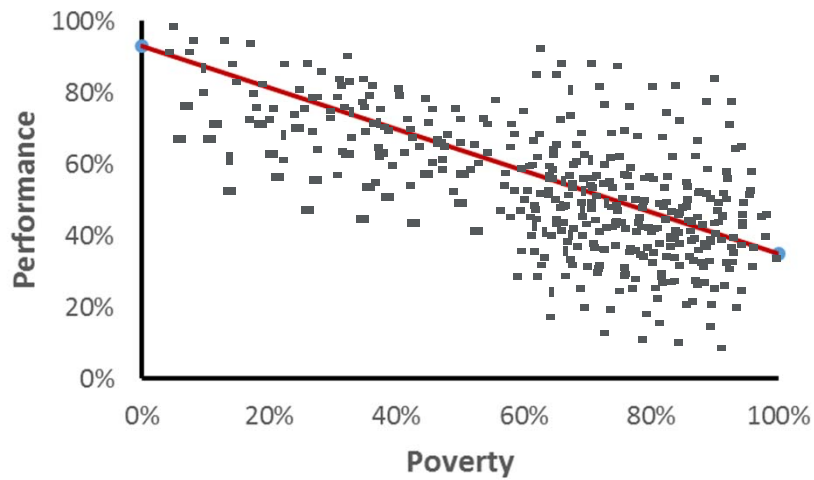
Source: Publicly available performance and enrollment data

Nation's Most Rapidly Improving Schools



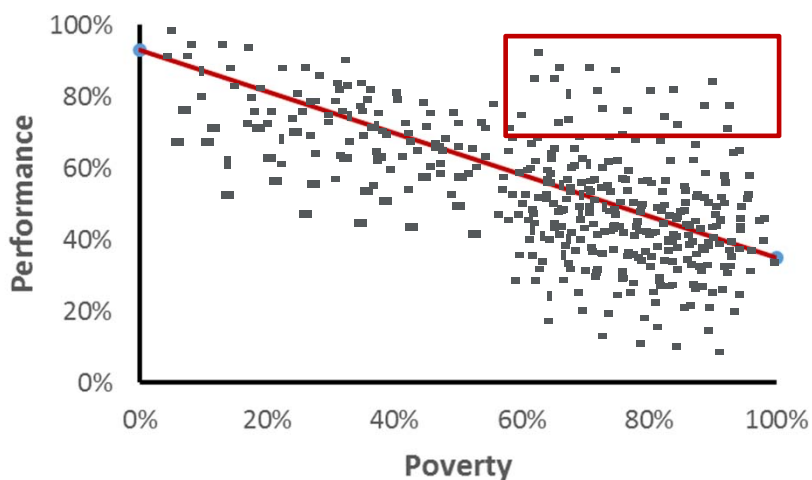
Source: Publicly available performance and enrollment data

Nation's Most Rapidly Improving Schools



Source: Publicly available performance and enrollment data

Nation's Most Rapidly Improving Schools



Source: Publicly available performance and enrollment data

The Nation's Most Rapidly Improving Schools

- Informed ESSA
- Are Future-Focused

The Nation's Most Rapidly Improving Schools

- Informed ESSA
- Are Future-Focused
- Took Control and Were NOT Controlled

Every Student Succeeds Act (ESSA)

- AYP



Every Student Succeeds Act (ESSA)

- AYP
- Call for Innovation
(Career Ready on an equal academic footing with College Ready)



Problem Was Defined By
Business and Industry

Problem Was Defined By
Business and Industry

Solution was Defined Inside
the Beltway

NCLB and CCSS Doubled
Down on the Past

Every Student Succeeds Act (ESSA)

- AYP
- Call for Innovation
(Career Ready on an equal academic footing with College Ready)
- The ball is being handed to You



Emerging Trends

- Federal Role in Education

Larger Context, which contributed to changing Federal Role in Education

Emerging Trends

- Federal Role in Education
- Demographics

Life Expectancy

BIRTH	FEMALE	MALE
1950	71.1	65.6
1960	73.1	66.6
1970	74.7	67.1
1980	77.4	70.0
1990	78.9	72.0
2000	79.5	73.9
2010	81.4	75.5

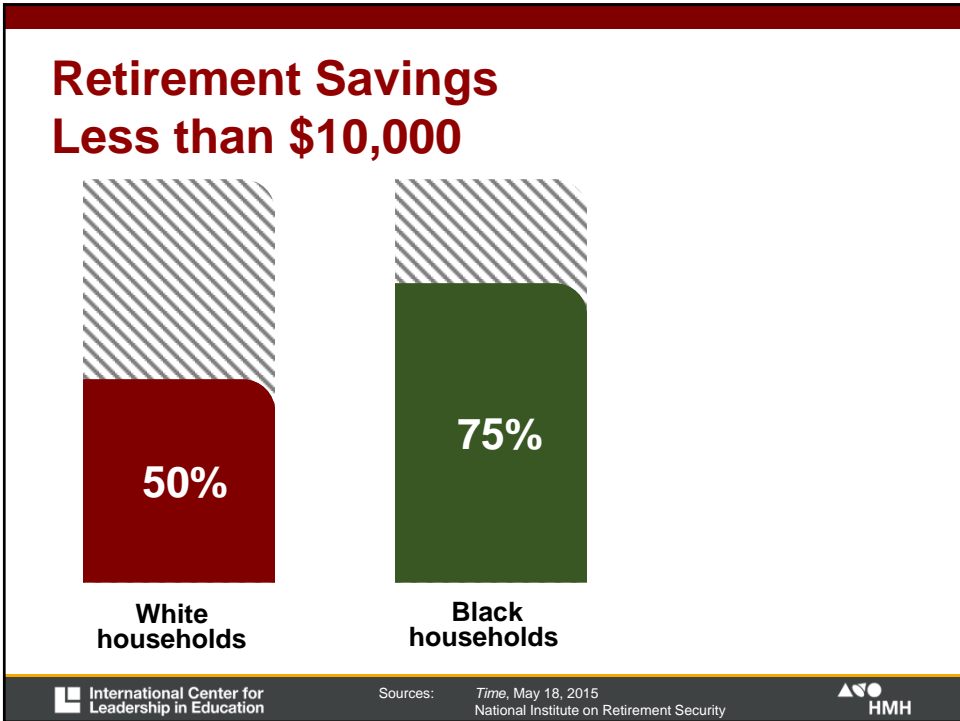
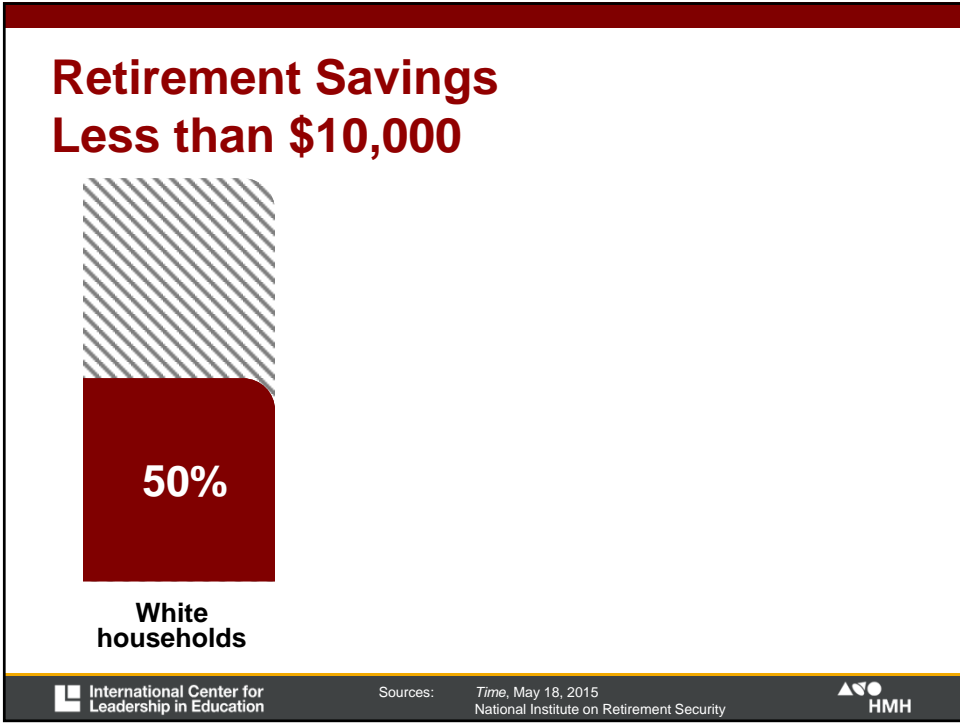
Source: International Monetary Fund

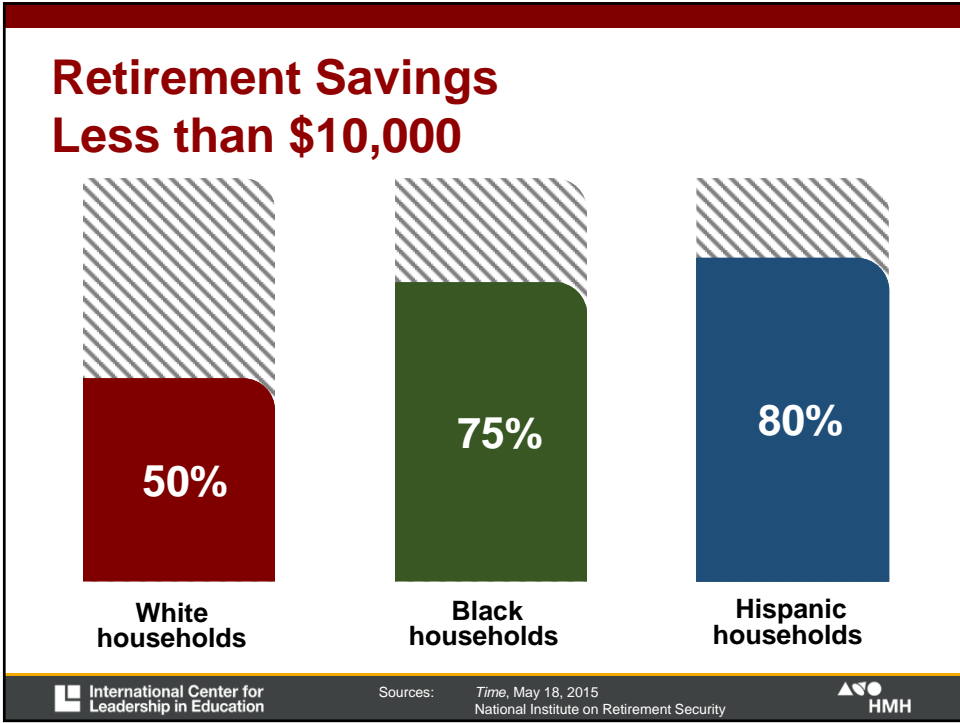
45 Million
Growing to 80 Million by
2030

**Today's 30 year old
is
Yesterday's 20 year old**

Demographics

We have a smaller and smaller workforce responsible for paying a larger and larger unfunded pension and healthcare promise.





Demographics of people 65+ and <1

	65+	<1
Caucasian	78.3%	38.0%
Foreign Born	6.0%	19.8%
In Poverty	9.5%	26.9%

U.S. Census Bureau, 2014

Children born to single parents

1940 – 3.8%

2016 – 41.0%

U.S. Census Bureau, 2014

Children in single-parent
homes are 2.4 times more
likely to have disabilities

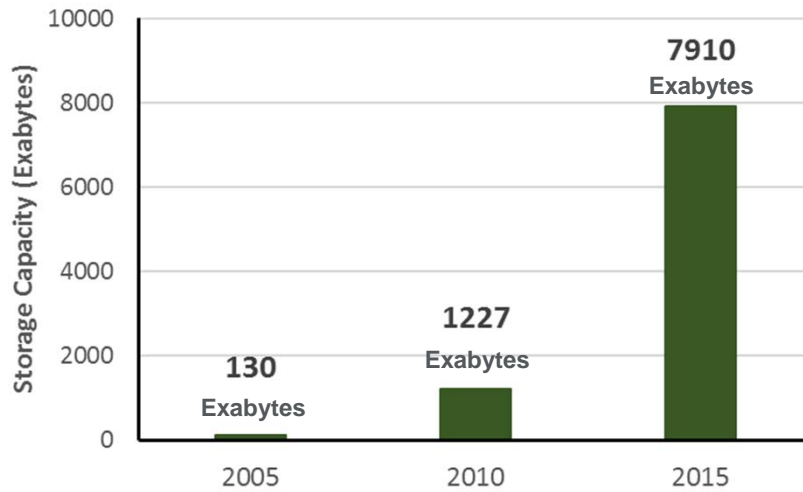
Emerging Trends

- Federal Role in Education
- Demographics
- Technology

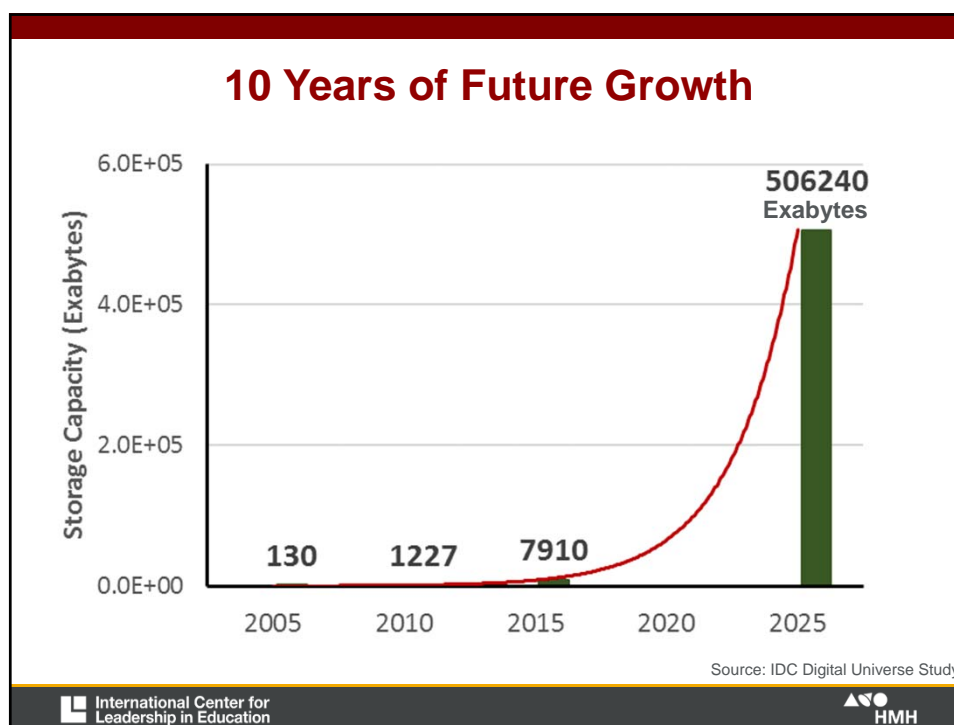
Technology

iphone

A Decade of Digital Universe Growth



Source: IDC Digital Universe Study




Technology has transformed how children play and interact.

Technology has transformed the workplace they will enter.

It has not transformed how we educate them.

Web




1.0 – Informational

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This slide features a silver laptop with a black bezel. The screen is white and displays the text "1.0 – Informational" in a black, sans-serif font. The laptop is centered on a white background. At the top left, the word "Web" is written in a bold, red, sans-serif font. At the bottom, there is a dark grey footer bar containing the International Center for Leadership in Education logo on the left and the HMH logo on the right.

Web



1.0 – Informational

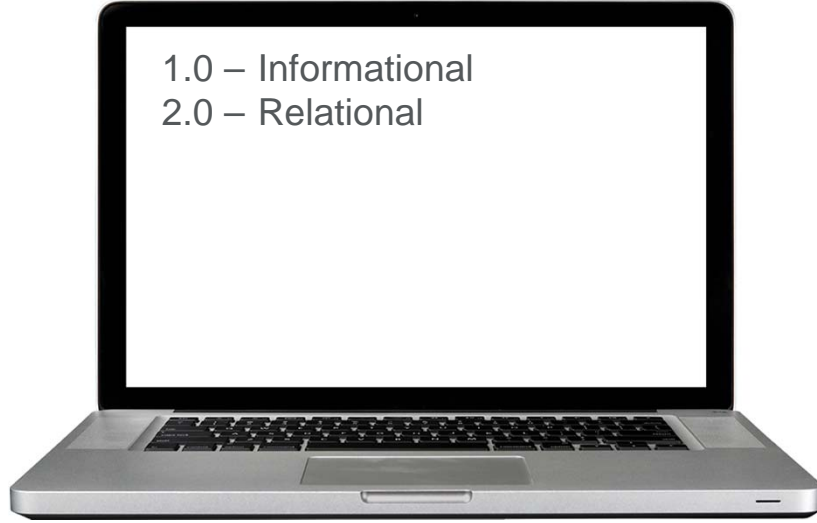
- Google

International Center for Leadership in Education

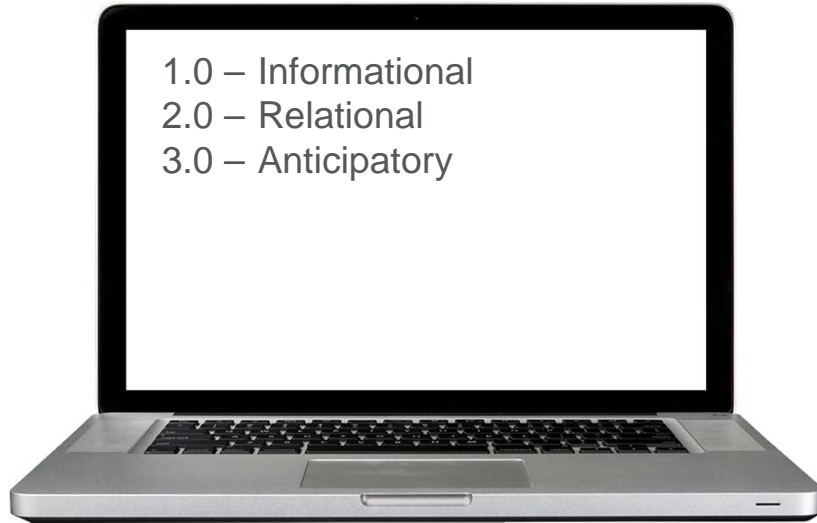
HMH

This slide is identical to the one above, but the laptop screen now includes a bulleted list. The text "1.0 – Informational" is at the top, followed by a red bullet point and the word "Google" in a red, sans-serif font. The rest of the slide, including the "Web" header and footer, remains the same.

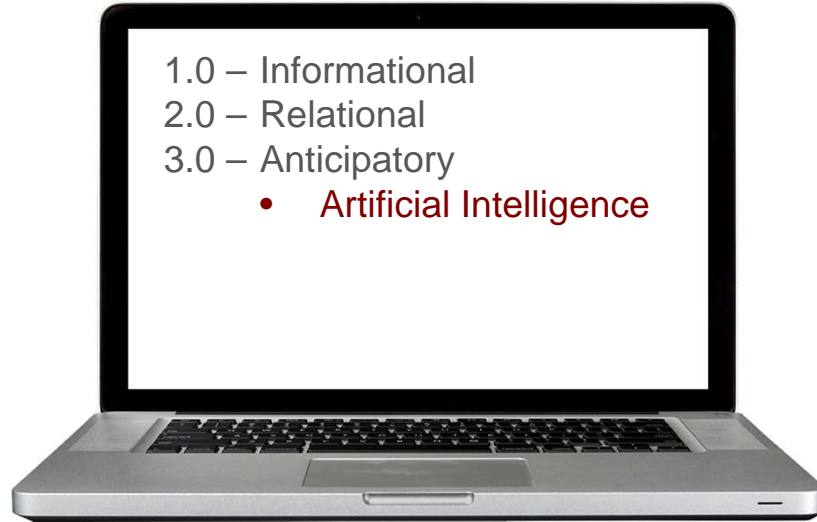
Web



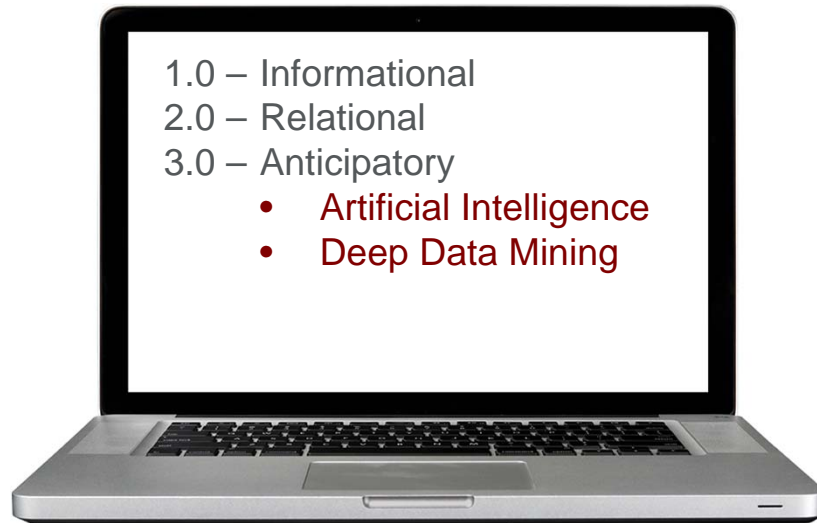
Web



Web



Web



Web



Web



Emerging Trends

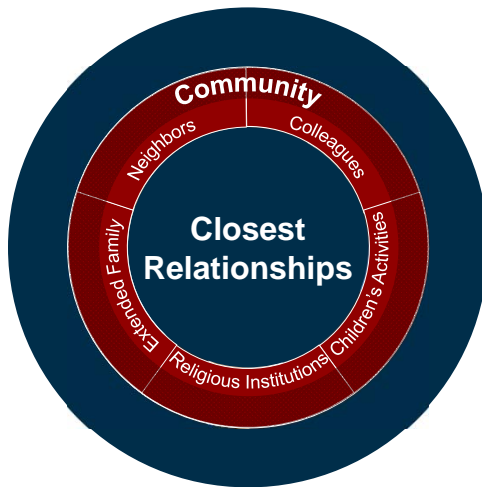
- Federal Role in Education
- Demographics
- Technology
- Social Media

Communications

Technology's Influence on Communication, Relationships and the Education System

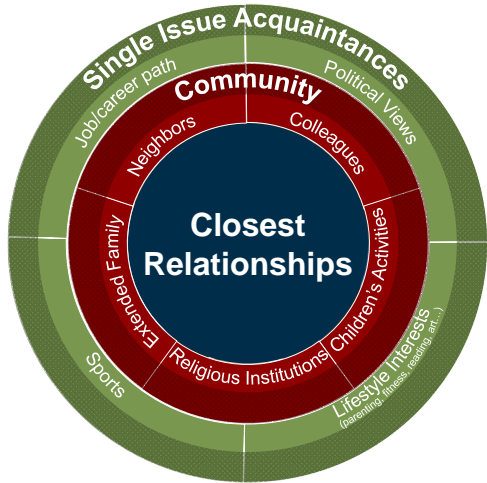


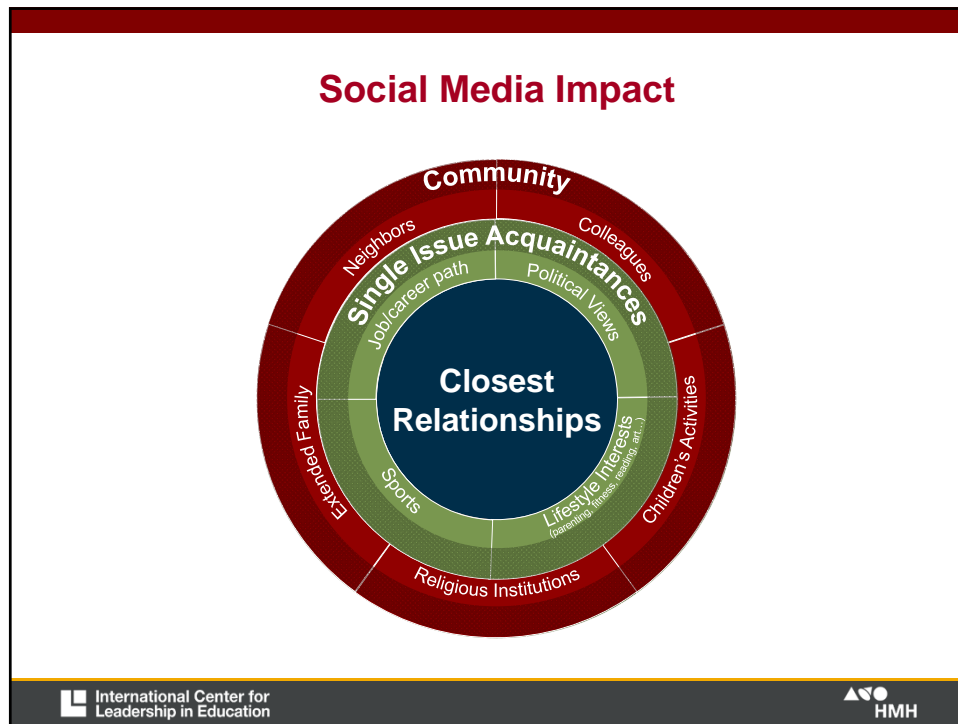
Technology's Influence on Communication, Relationships and the Education System



Homogenization of America

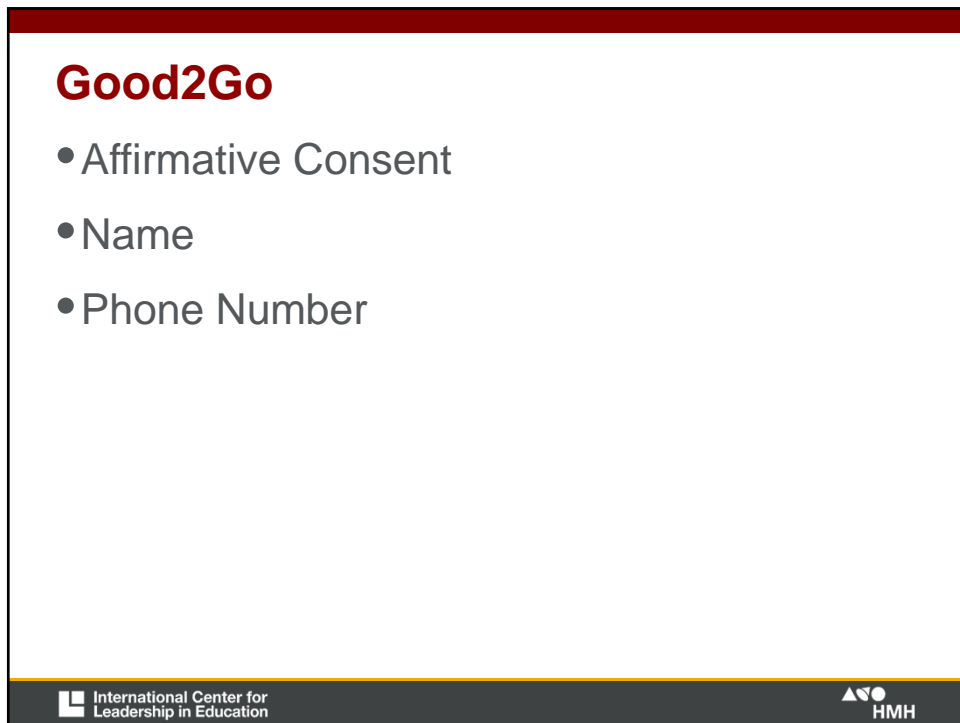
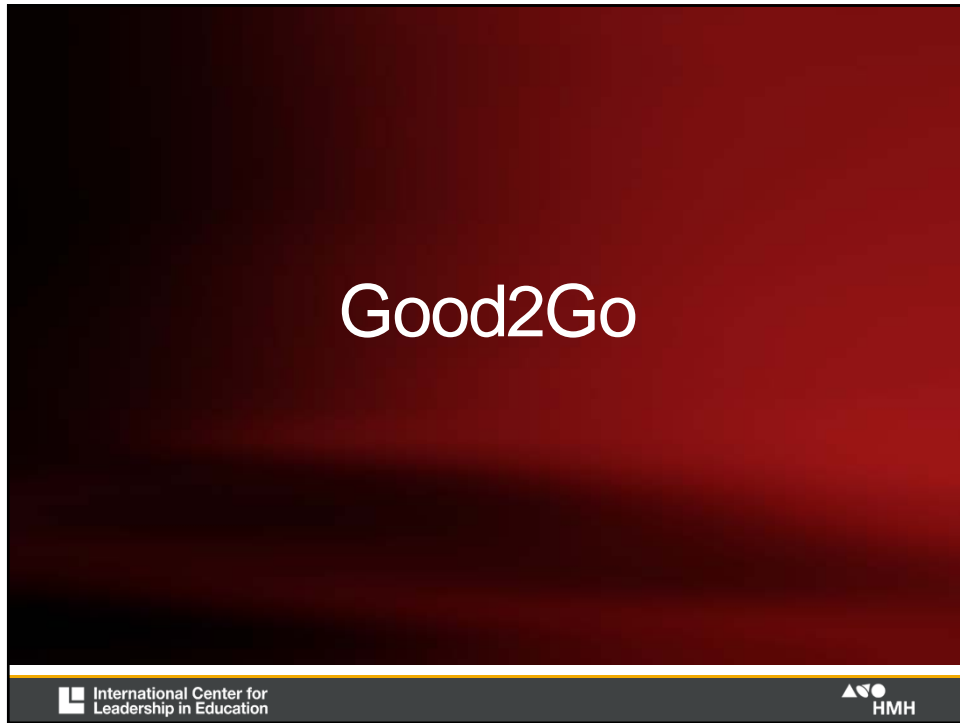
Technology's Influence on Communication, Relationships and the Education System





Consequences to Schools

- How others communicate about schools
 - Opt-out
- How we should communicate within our system and with parents/community
- Curriculum implications
 - Consequences
 - Evaluate sources
 - Balanced perspective
 - Tools
- Professional Development needs



Good2Go

- Affirmative Consent
- Name
- Phone Number
- They can sell information

Social Issues

- Sex Education
- Drug Addiction
- Social Media Education

Emerging Trends

- Federal Role in Education
- Demographics
- Technology
- Social Media
- Data

Are we measuring what is
most important or what is
easiest to measure?

Survey Tools for Measuring What Matters

We Teach

Instructional Staff
Survey

We Learn

Student
Survey

We Lead

Whole Staff
Survey

We Inspire

Instructional Staff
Survey

We
Succeed

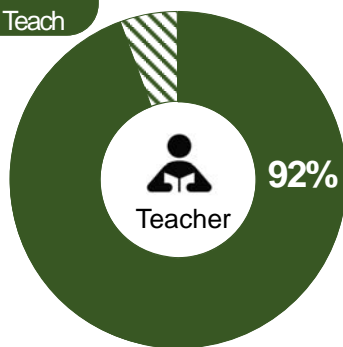
Student
Survey

We
Support

Parent/Community
Survey

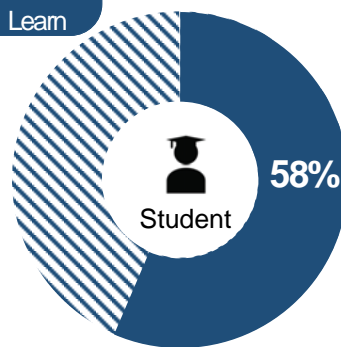
Teacher vs. Student Comparison

We
Teach

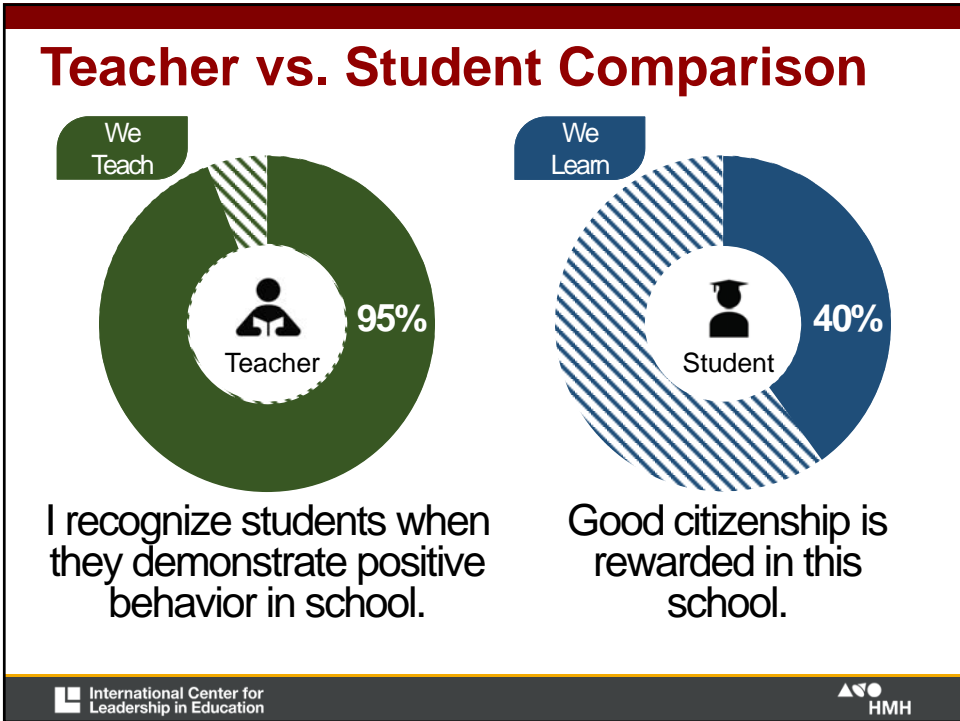
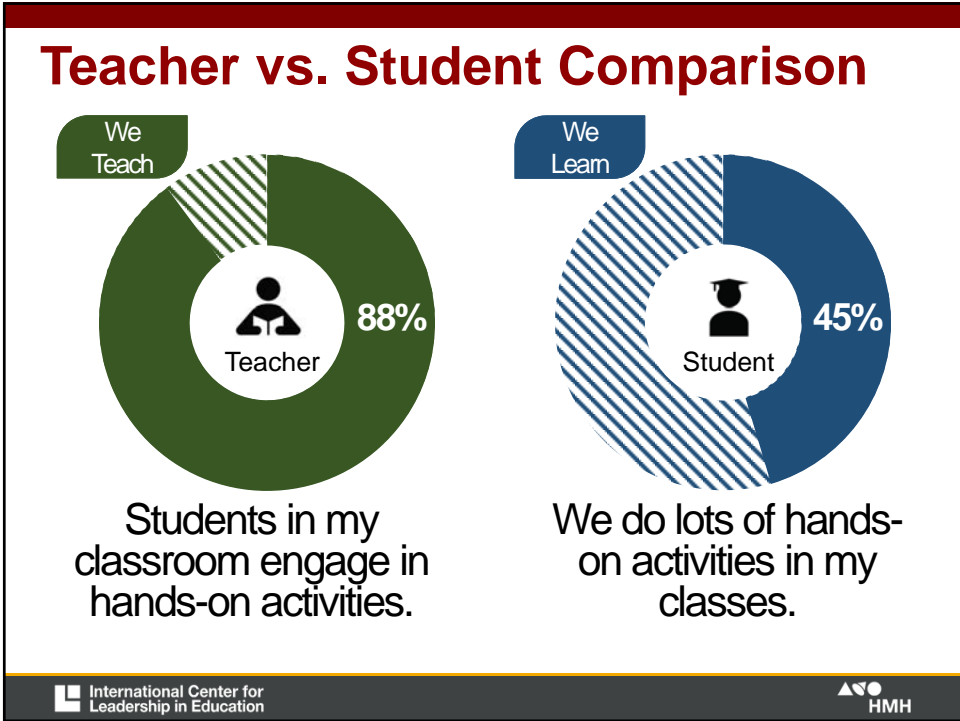


Students can apply
what I am teaching to
their everyday lives.

We
Learn

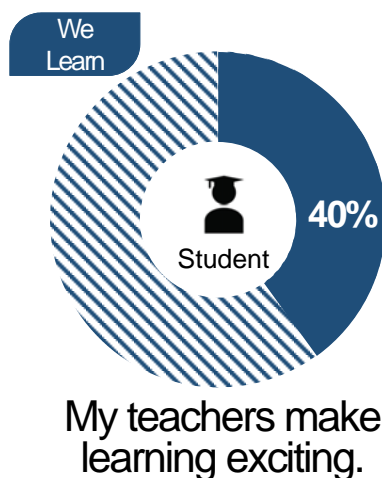
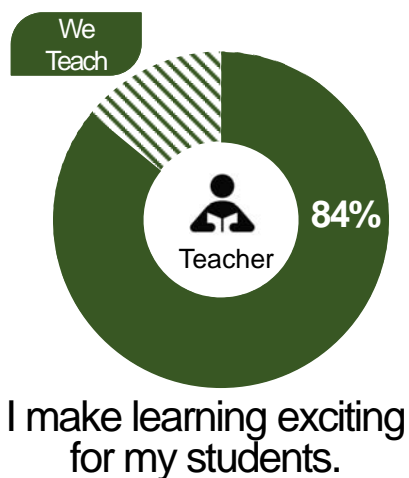


I can apply what I learn
to my everyday life.

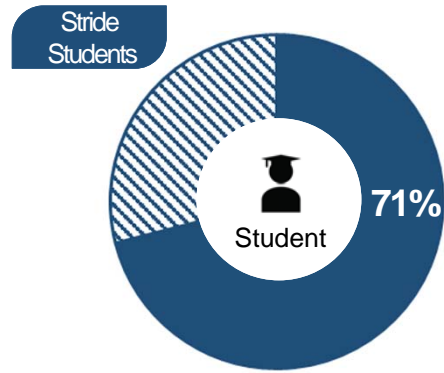


Can we obtain hard data on successful practices that we are seeing nationally?

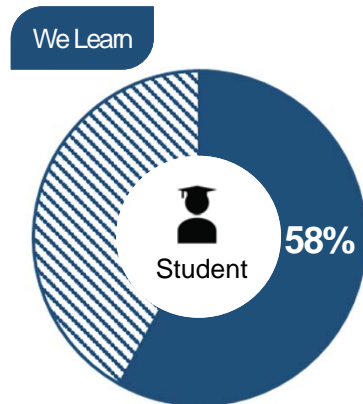
Teacher vs. Student Comparison



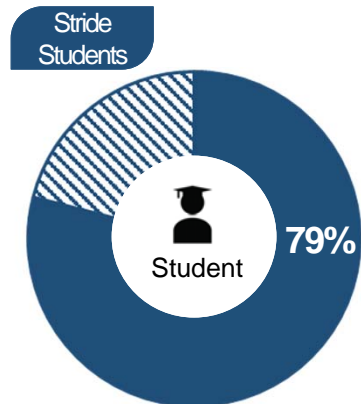
Stride makes learning fun.



Student Perceptions



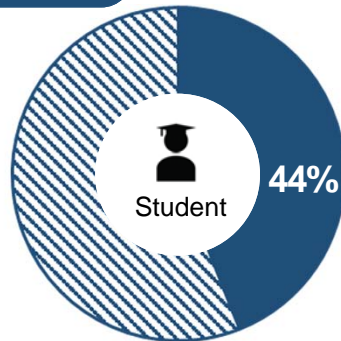
My teacher gives me choices in how I show my understanding of what I learned.



Stride shows my teachers that I am able to do well in school.

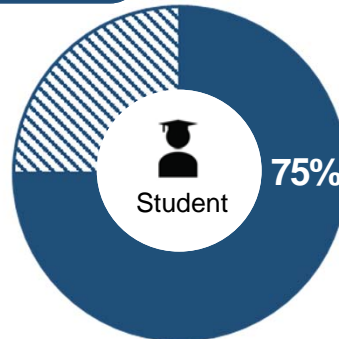
Student Perceptions

We Learn



My classmates encourage me to do my best.

Stride Students



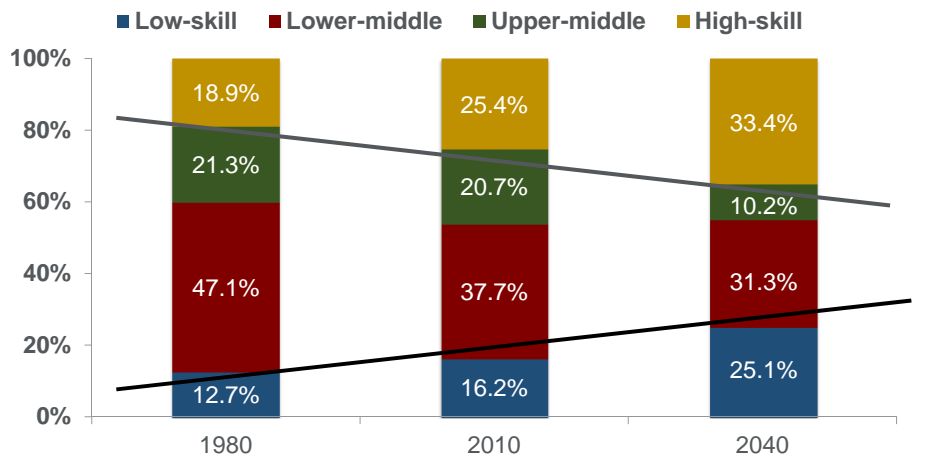
I like playing against my classmates on Stride's games.

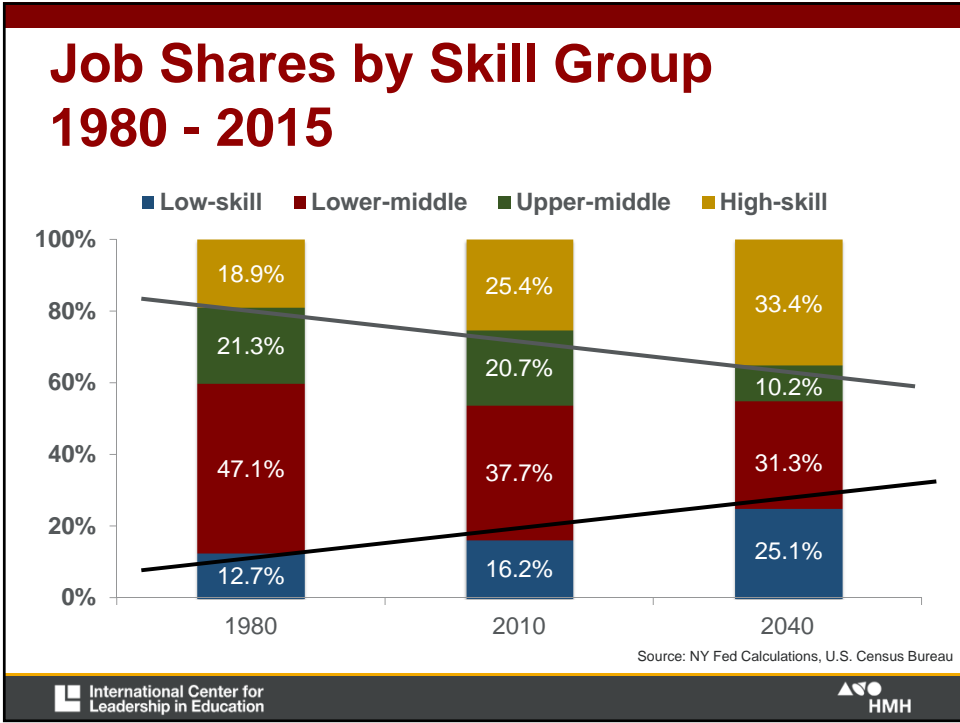
Emerging Trends

- Federal Role in Education
- Demographics
- Technology
- Social Media
- Data
- Work

College Ready is Not Ready Enough

Job Shares by Skill Group 1980 - 2015





Our Changing World

- Auto Tech

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Our Changing World

- Auto Tech
 - Prevention vs. Intervention

Our Changing World

- Auto Tech
- Health Care

Prevention to Intervention

Financial Management

Data analytics is used in 2/3 of all trades today via pre-programmed computer algorithms.

Our Changing World

- Auto Tech
- Health Care
- Financial Investments
- Supermarkets/Drug Stores

Our Changing World

- Auto Tech
- Health Care
- Financial Investments
- Supermarkets/Drug Stores
- Manufacturing

Impact of Automation

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Impact of Automation

5% - of jobs can be automated

Source: McKinsey Quarterly 2016 Number 1

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Impact of Automation

5% of jobs can be automated

**30% of tasks in 60% of jobs
will be automated**

Source: McKinsey Quarterly 2016 Number 1

Lost Jobs

Accountants / Auditors 94%

Economists 43%

Source: McKinsey Quarterly 2016 Number 1

Emerging Trends

- Federal Role in Education
- Demographics
- Technology
- Social Media
- Data
- Work
- Higher Education Under Fire

College Dropout Rate 2015

First to Second Year

34.8%

Four-Year Colleges

44.5%

Two-Year Colleges

Source: <http://www.air.org/sites/default/files/downloads/report/AIR-CALDER-Understanding-the-College-Dropout-Population-Jan14.pdf>



Average Graduation Rate 2015 1983 - 2015



Source: <http://www.air.org/sites/default/files/downloads/report/AIR-CALDER-Understanding-the-College-Dropout-Population-Jan14.pdf>

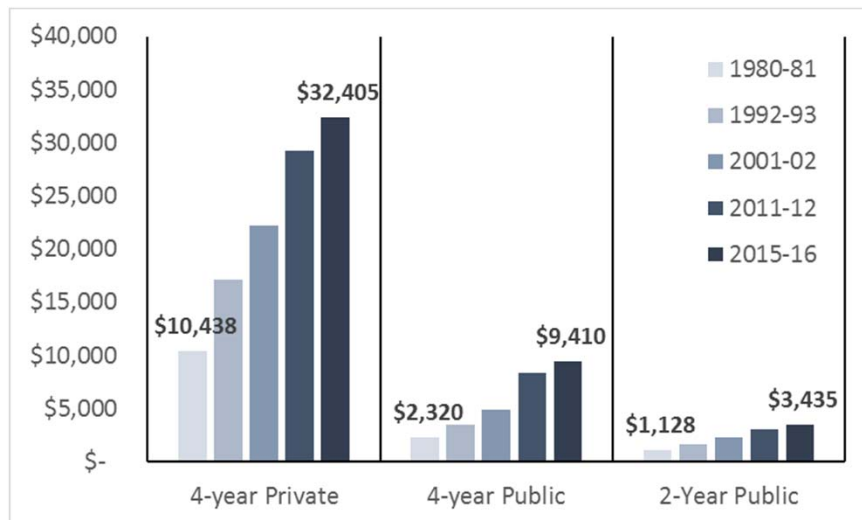
Increased Cost Since 1985

Medical  286%

Higher Education  538%

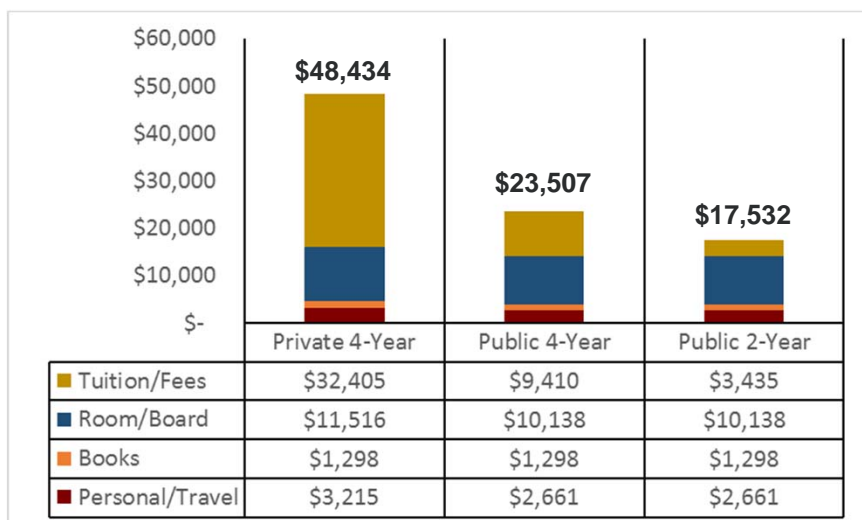
Source: <http://www.bloomberg.com/news/articles/2013-08-26/college-costs-surge-500-in-u-s-since-1985-chart-of-the-day>
College Costs Surge 500% in U.S. Since 1985, Michelle Jamrisko and Ilan Kolet

Tuition Fees in 2015 Dollars



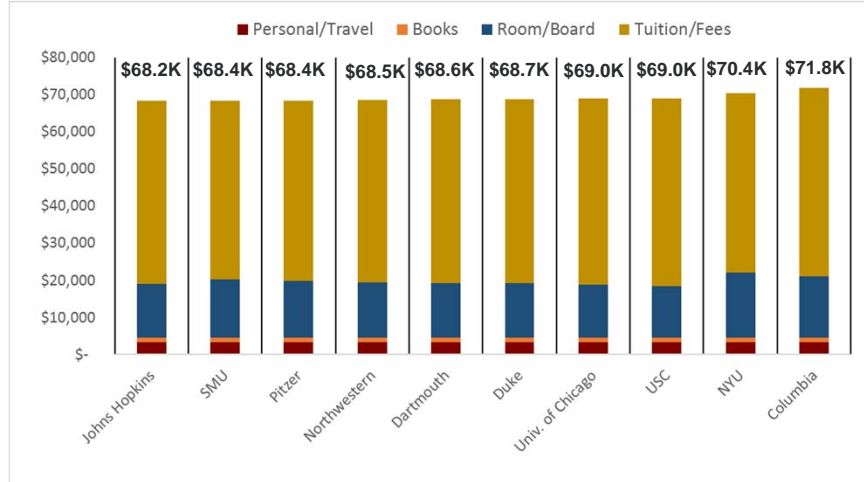
Source: Annual Survey of College, College Board

Average College Cost



Source: 1st Financial Bank

Expensive Colleges



Source: 1st Financial Bank

Is college worth the investment?



Answer: It depends

2 Year College Graduates

OCCUPATION	STARTING	AVERAGE
Management Info Systems	\$45,100	\$72,100
Electrical and Chemical Engineers	\$45,100	\$69,800
Occ. Health and Safety	\$50,300	\$68,200
Diagnostic Medical Specialist	\$50,200	\$66,800
Computer Programmer	\$42,300	\$65,300

Payscale.com

4 Year College Graduates

OCCUPATION	STARTING	AVERAGE
Human Development	\$35,900	\$48,000
Athletic Trainer	\$34,800	\$46,900
Social Worker	\$33,000	\$46,600
Recreation and Leisure	\$32,200	\$45,300
Child and Family Studies	\$30,300	\$37,200

Payscale.com

4 Year College Graduates

OCCUPATION	STARTING	AVERAGE
Petroleum Engineer	\$103,000	\$160,000
Actuarial Math	\$58,700	\$120,000
Nuclear Engineer	\$67,600	\$117,000
Chemical Engineer	\$68,200	\$117,000
Aerospace Engineer	\$62,800	\$109,000

Payscale.com

Bottom 25% of 4 year college graduates earn no more than the median high school graduate

Federal Bank of New York

The question is not whether
you should go to college.

It is what should you major
in?

Emerging Trends

- Federal Role in Education
- Demographics
- Technology
- Social Media
- Data
- Work
- Higher Education Under Fire
- What to Teach

What to Teach

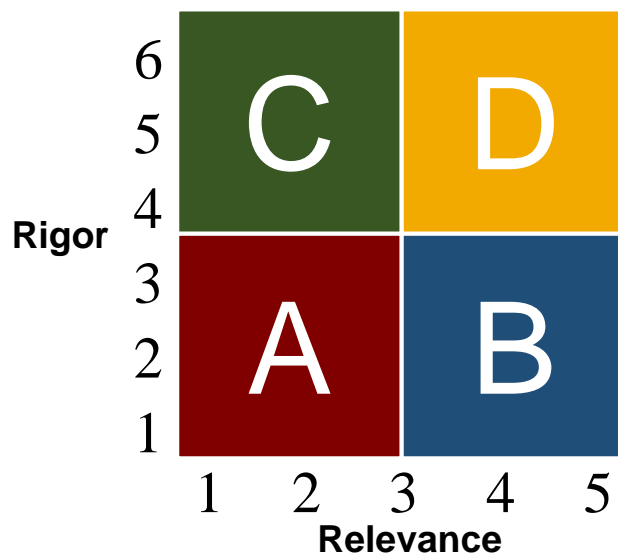
Application Model

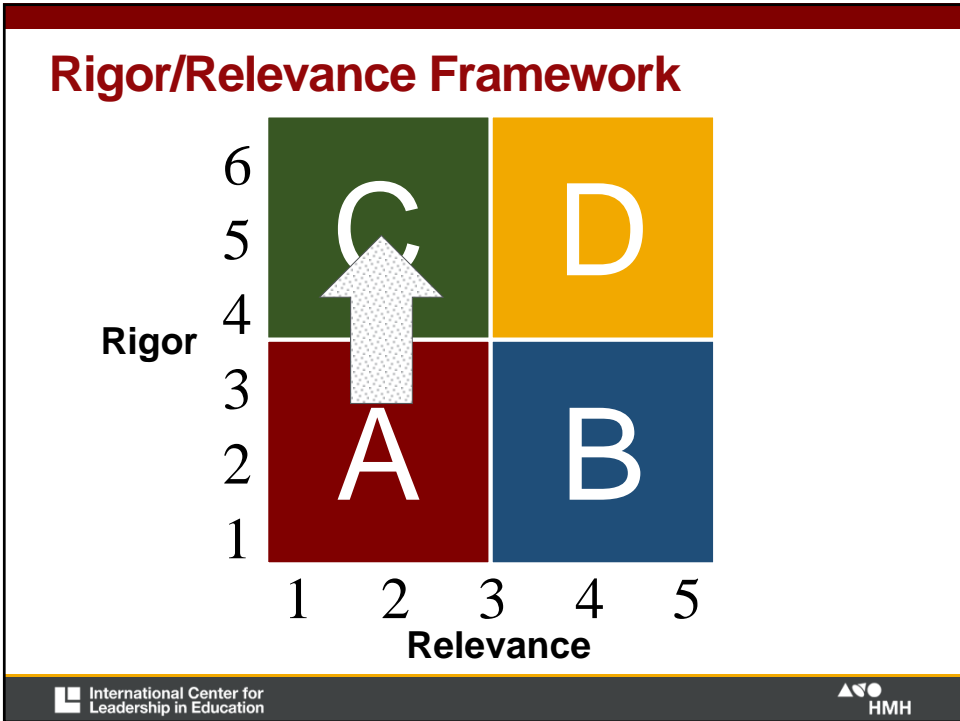
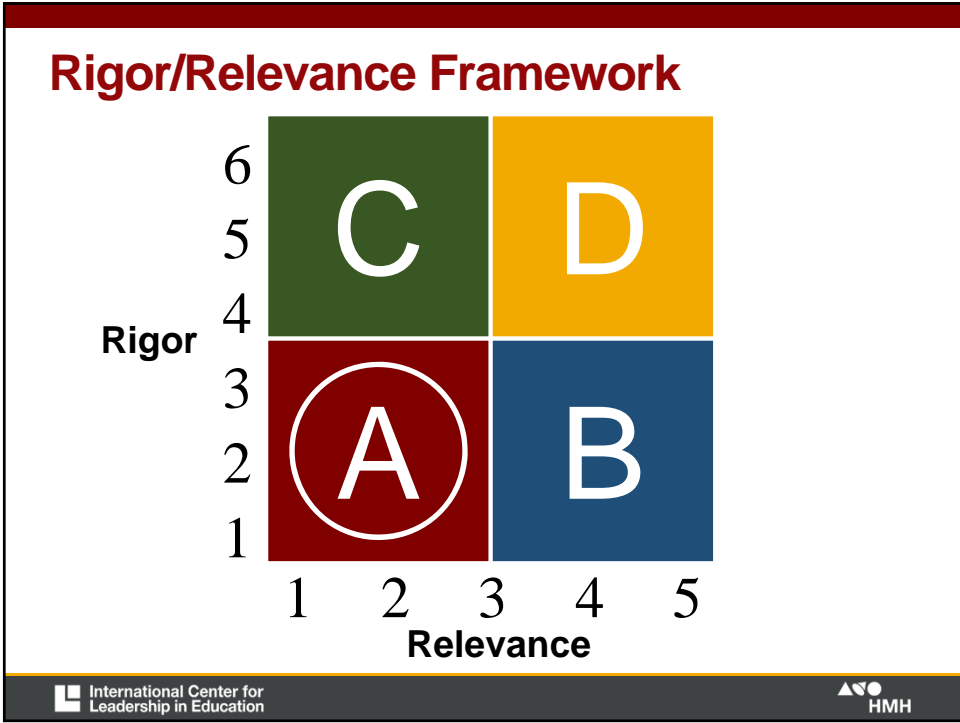
1. Knowledge in one discipline
2. Application within discipline
3. Application across disciplines
4. Application to real-world predictable situations
5. Application to real-world unpredictable situations

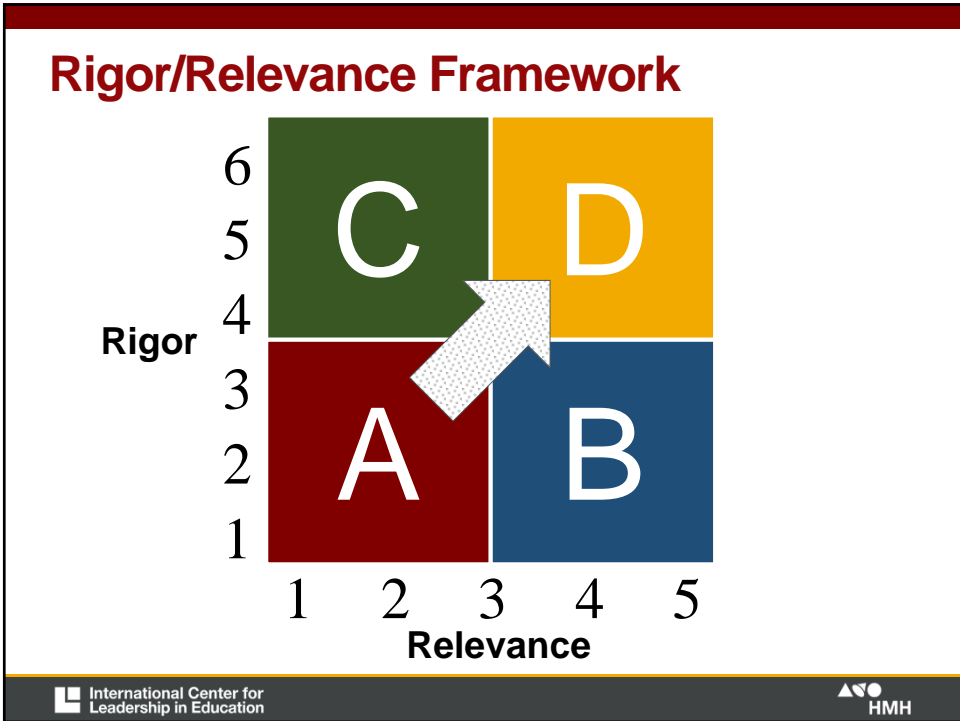
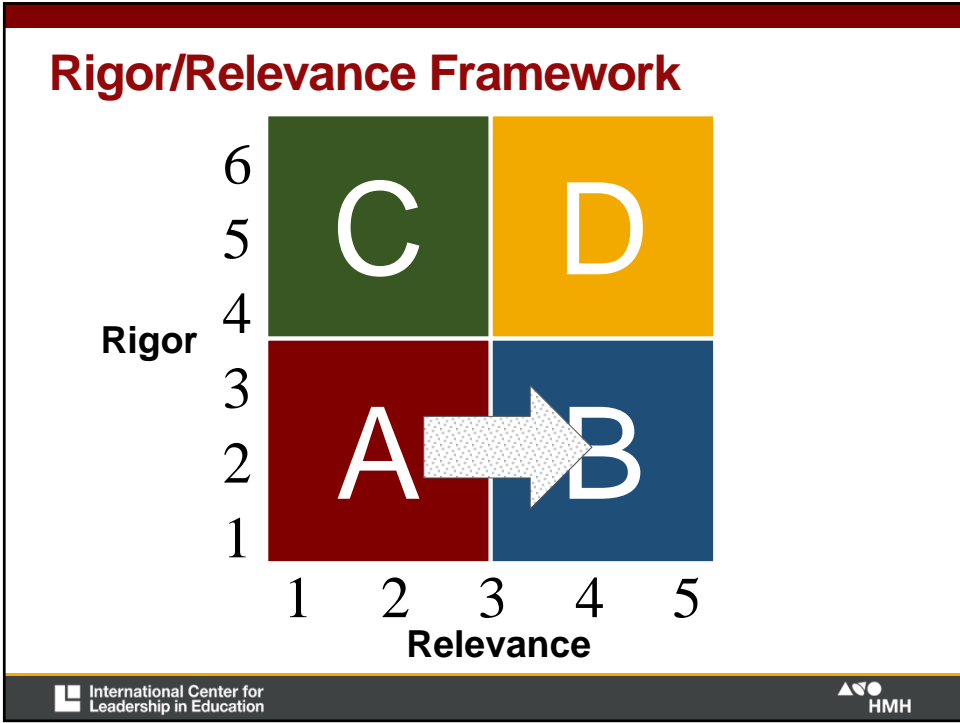
Knowledge Taxonomy

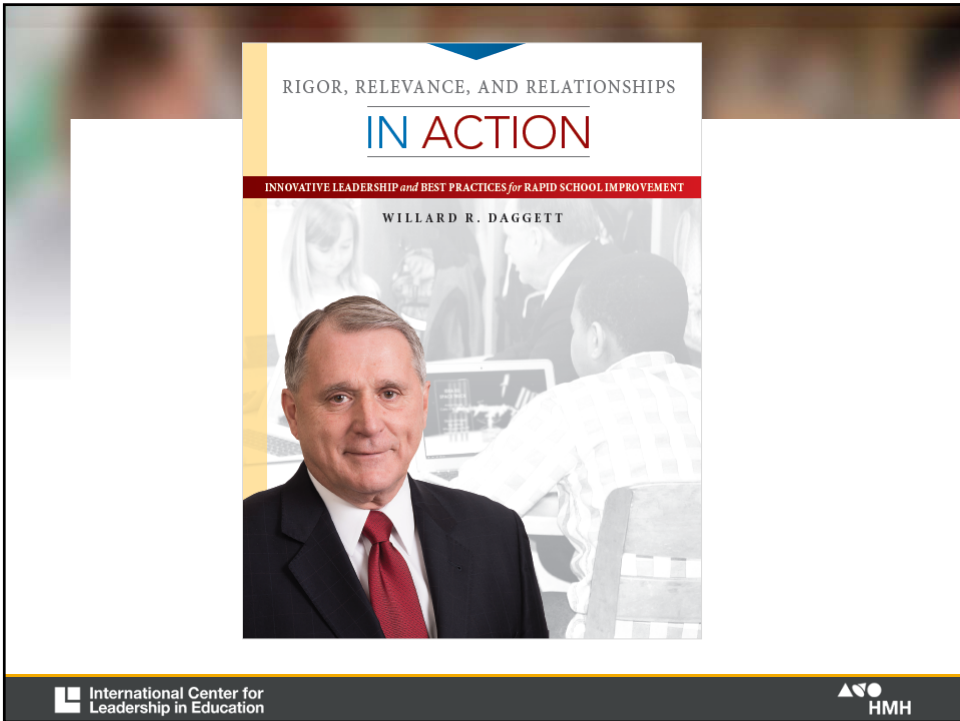
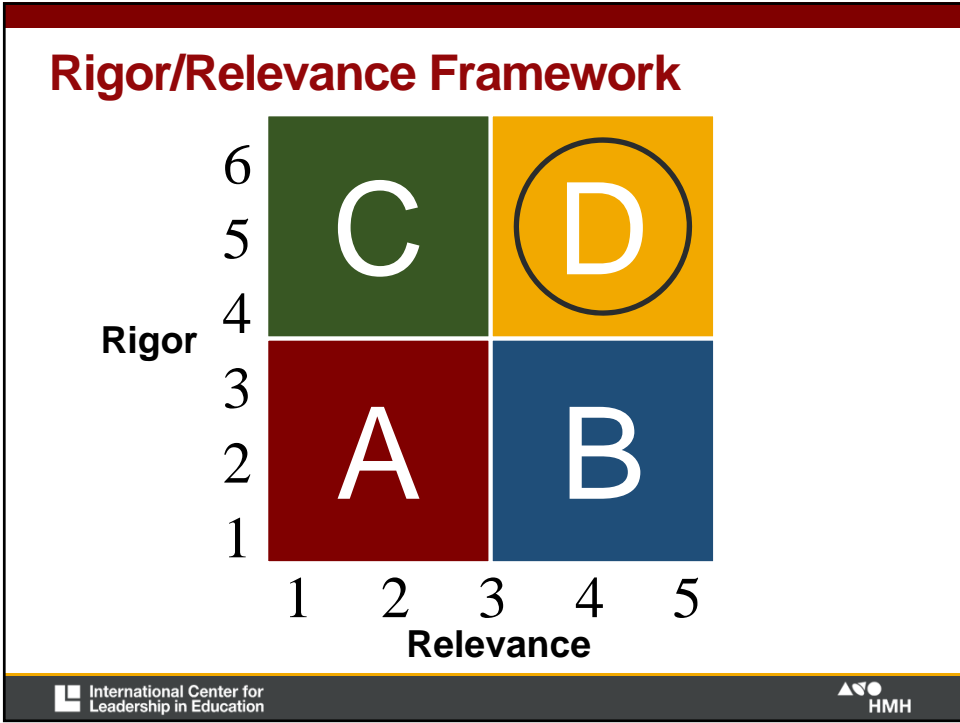
1. Remembering
2. Understanding
3. Applying
4. Analyzing
5. Evaluating
6. Creating

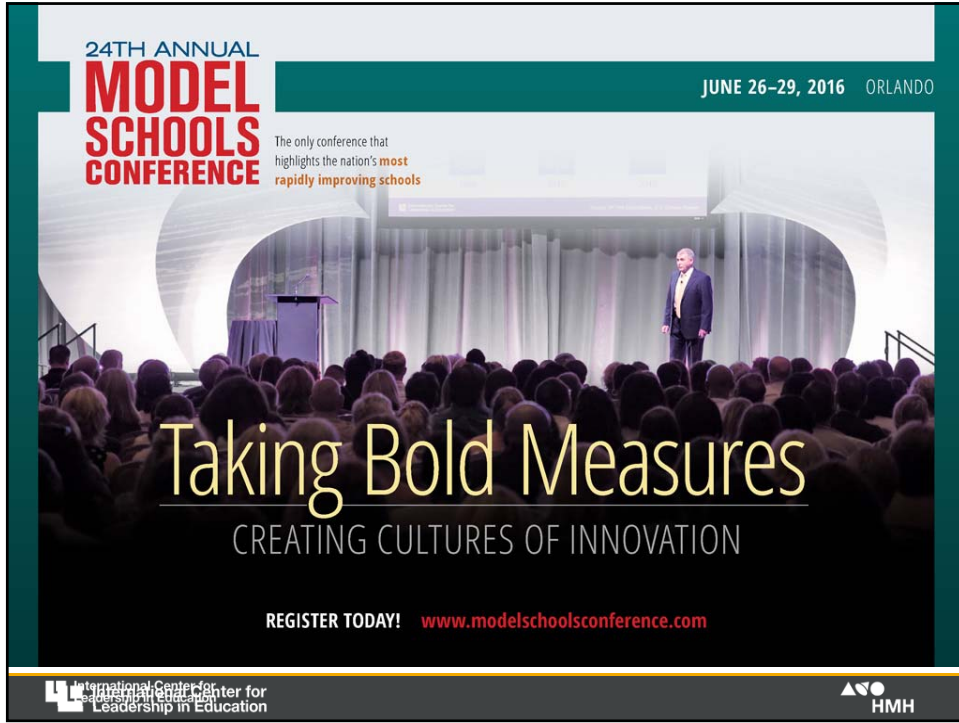
Rigor/Relevance Framework











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