

Inconvenient Truth

We Can Wait No Longer



Convenient

(quick fix/facade)

- suited to personal comfort
- easy performance
- affording accommodation or advantage
- being near at hand
- convenient to deal with problems

Inconvenient

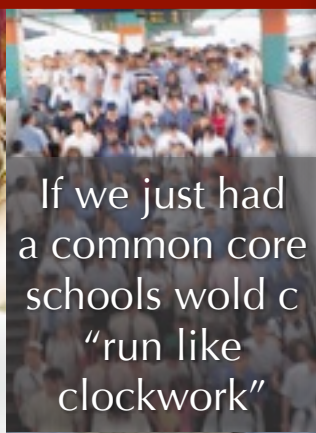
- not conducive to physical, mental, or social ease and comfort
- troublesome
- inexpedient

Beliefs vs Facts





Standardized tests are a good way to assess students & teachers



If we just had a common core schools would c "run like clockwork"



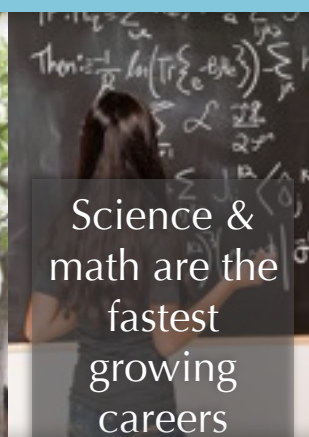
It should be simple



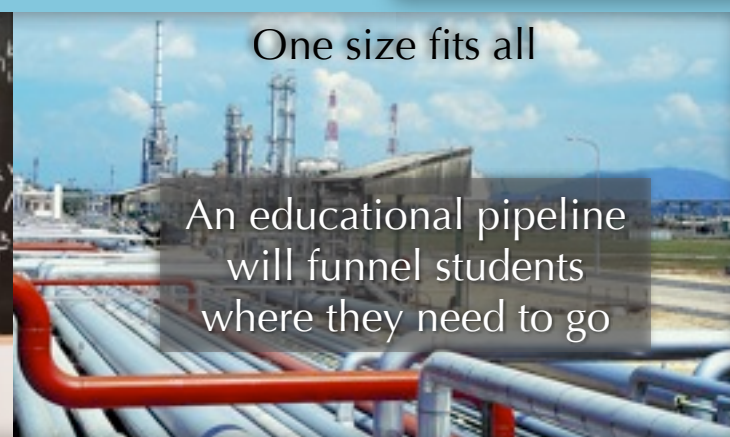
Technology can solve our problems



College for all will lead to good jobs



Science & math are the fastest growing careers



One size fits all

An educational pipeline will funnel students where they need to go

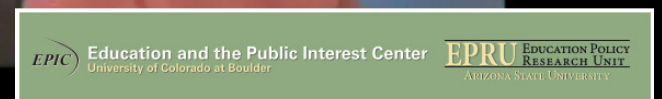
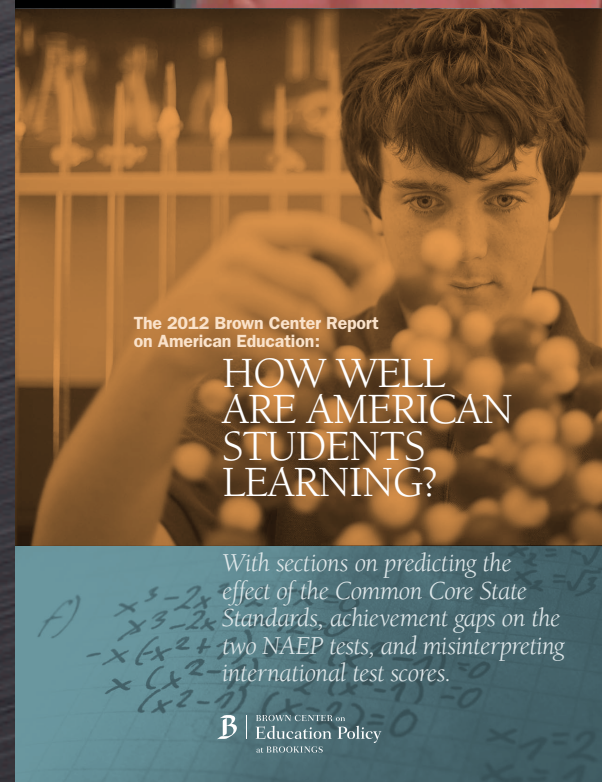
Convenient

Politically driven reformed schools

- Standardized tests are good measures to assess students and teachers
- Just fire the teachers when test scores are bad and get new ones

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Solutions based on research and best practices



The Bracey Report On the Condition of Public Education, 2009

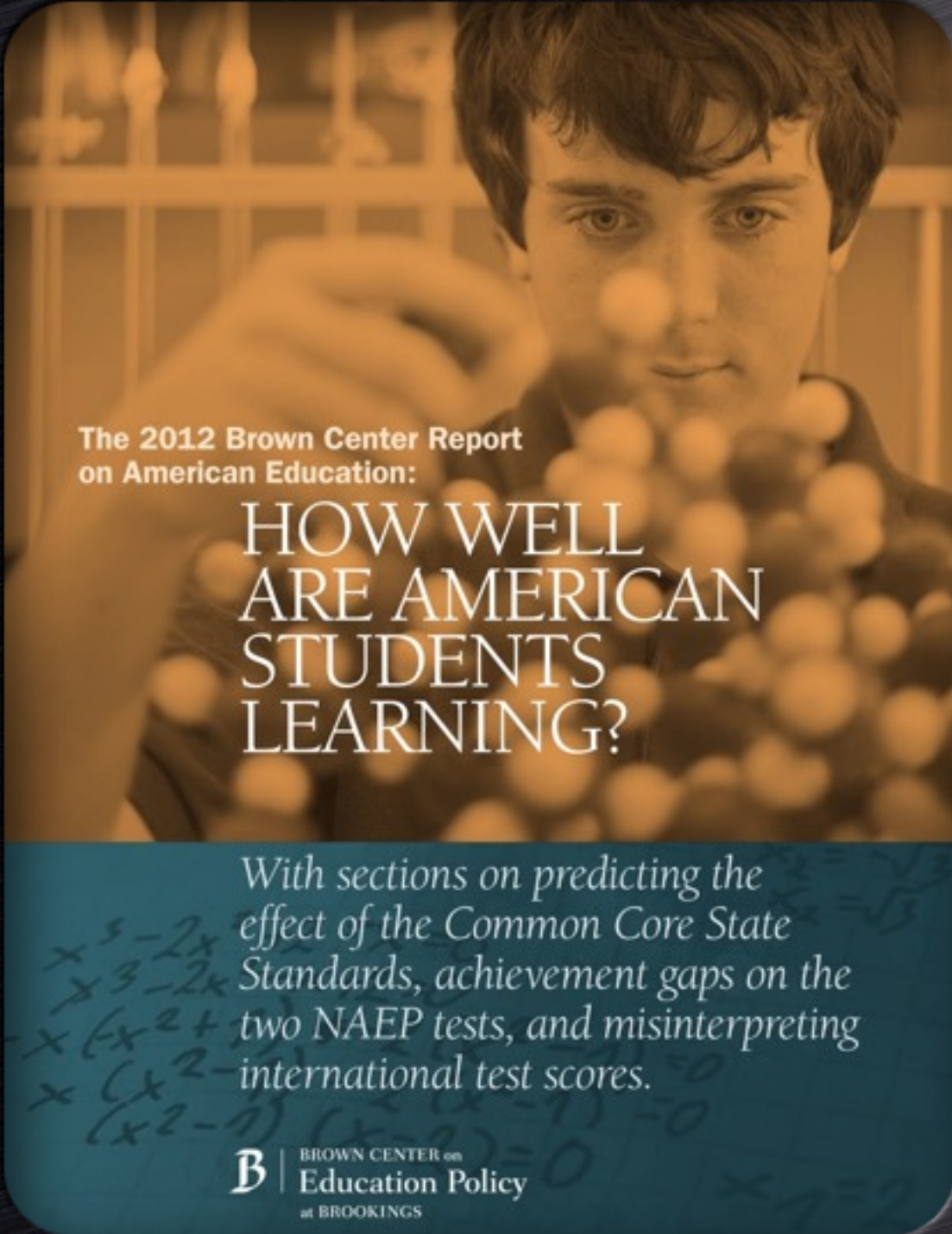
Gerald Bracey

November 2009

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Bracey, G. (2009). *The Bracey Report on the Condition of Public Education*. Boulder and Tempe:
Education and the Public Interest Center & Education Policy Research Unit. Retrieved [date] from
<http://epicpolicy.org/publication/Bracey-Report>

The image shows the front cover of a report. The top half features a photograph of a young boy with dark hair, looking directly at the camera. He is holding a string of colorful, translucent beads in front of his face, partially obscuring it. The background of the photo is slightly blurred, showing what appears to be a window with a grid pattern. The text is overlaid on this image. The bottom half of the cover is a solid dark teal color with white text and a logo. The overall design is clean and professional.

The 2012 Brown Center Report
on American Education:

HOW WELL ARE AMERICAN STUDENTS LEARNING?

With sections on predicting the effect of the Common Core State Standards, achievement gaps on the two NAEP tests, and misinterpreting international test scores.

B | BROWN CENTER on
Education Policy
at BROOKINGS

“Despite all the money and effort devoted to developing the Common Core State Standards--not to mention the simmering controversy over their adoption in several states--the study foresees little to no impact on student learning.”



"In Finland we think teachers are the key for the future and it's a very important profession."

"Teachers can choose their own teaching methods and materials. They are experts of their own work, and they test their own pupils...teachers are working like academic experts. Our educational society is based on trust and cooperation, so when we are doing some testing we don't use it for controlling [teachers] but for development. "

Henna Virkkunen
Minister of Education
Finland

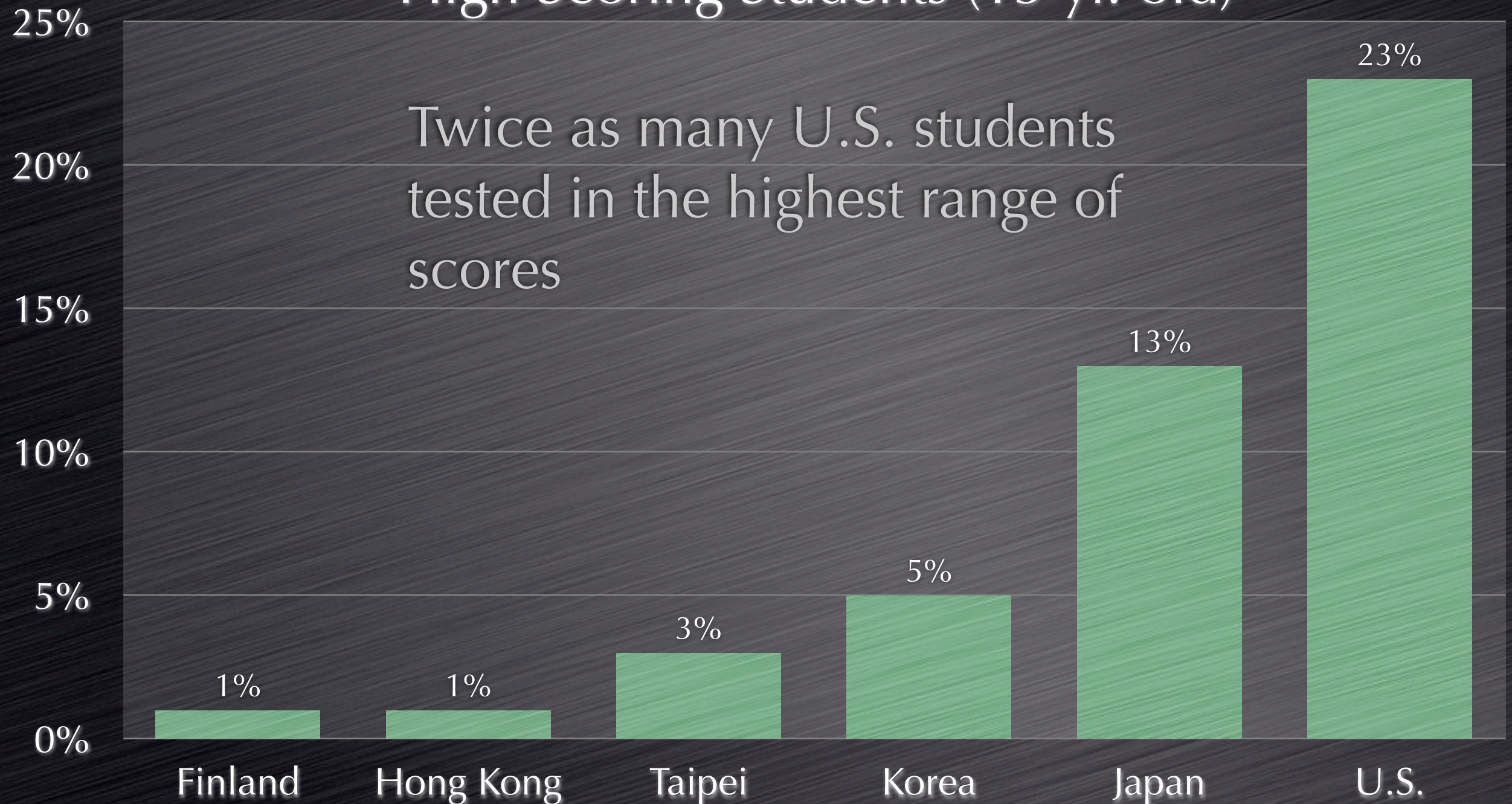


"It's very difficult to use this data [PISA] to say anything about the effectiveness of teachers. If you tried to do this in my country, Finnish teachers would probably go on strike and wouldn't return until this crazy idea went away. Finn's don't believe you can reliably measure the essence of learning."

Pasi Sahlberg
Director General
Center for International Mobility
Ministry of Education
Finland



Programme for International Student Assessment Math and Science 2006 High Scoring Students (15 yr. old)



Bracey Report on Public Education 2009

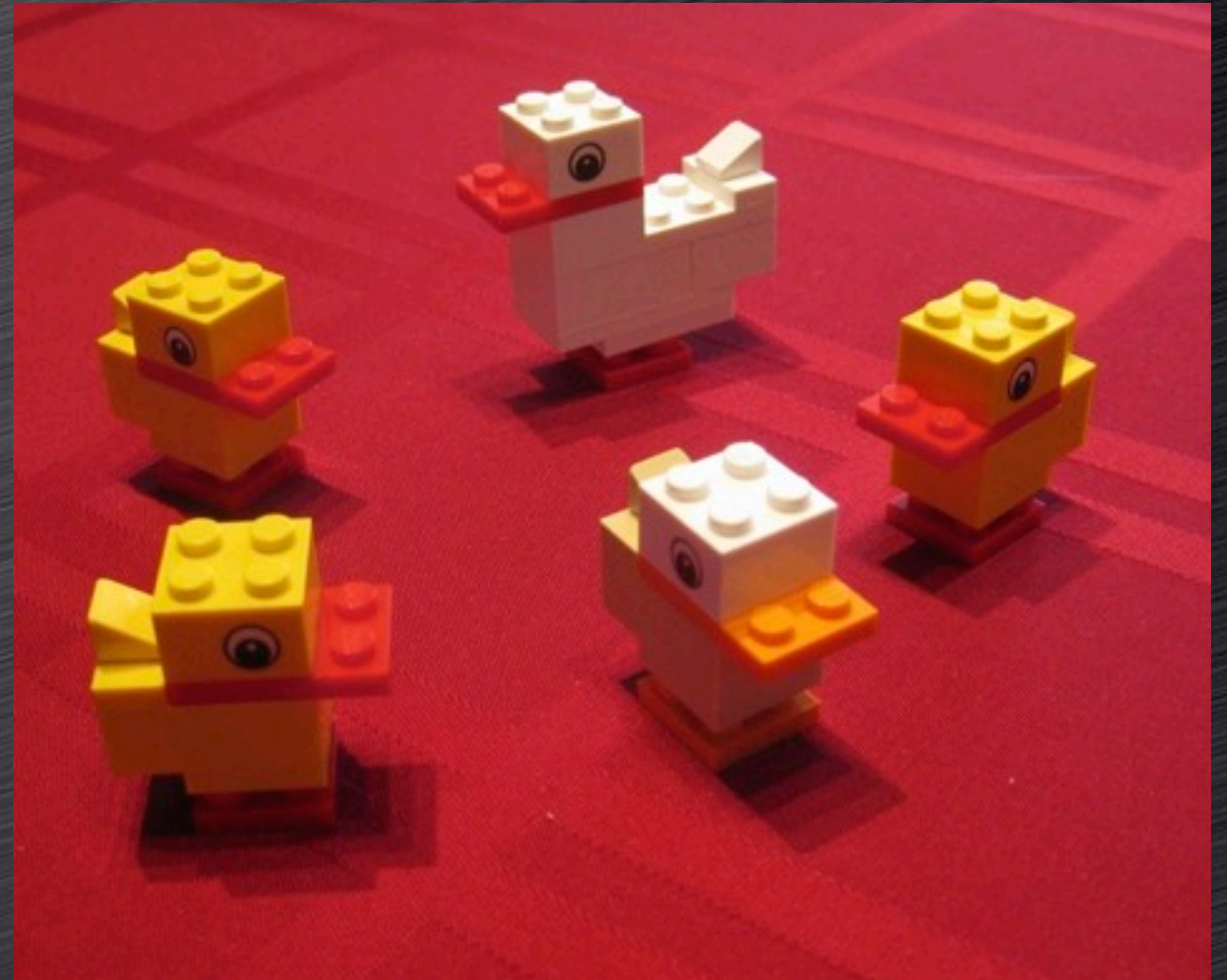
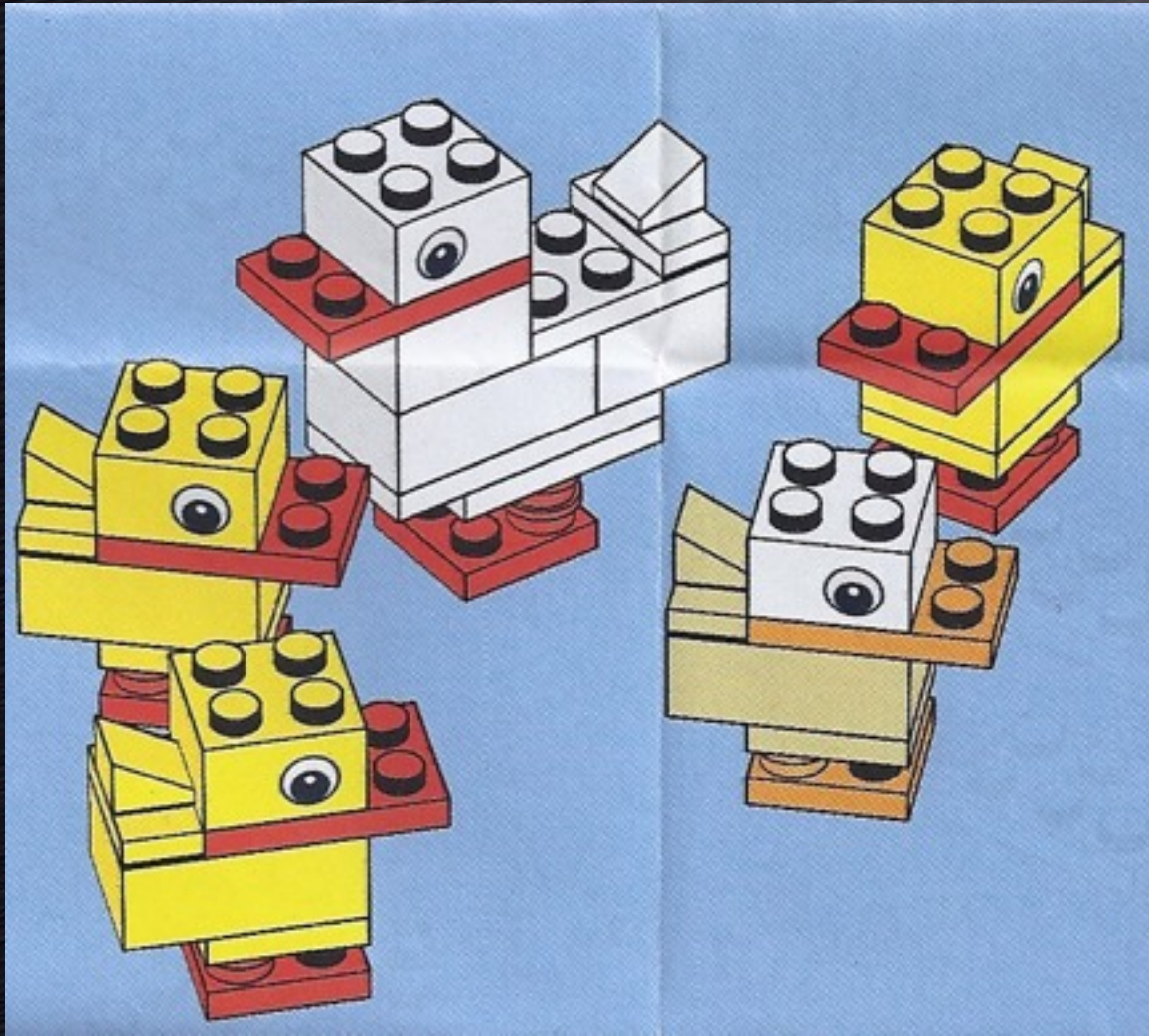
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Politically driven reformed schools



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Solutions based on research and best practices



How do you learn?
Algorithmic vs Holistic Approach

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College for all



What do you hear from parents about what they want high school to prepare their students for?

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Pathways based on a changing environment



When the focus is on CAREERS how can we best prepare our students for a rapidly changing economy?

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Politically driven reformed schools



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Solutions based on research and best practices



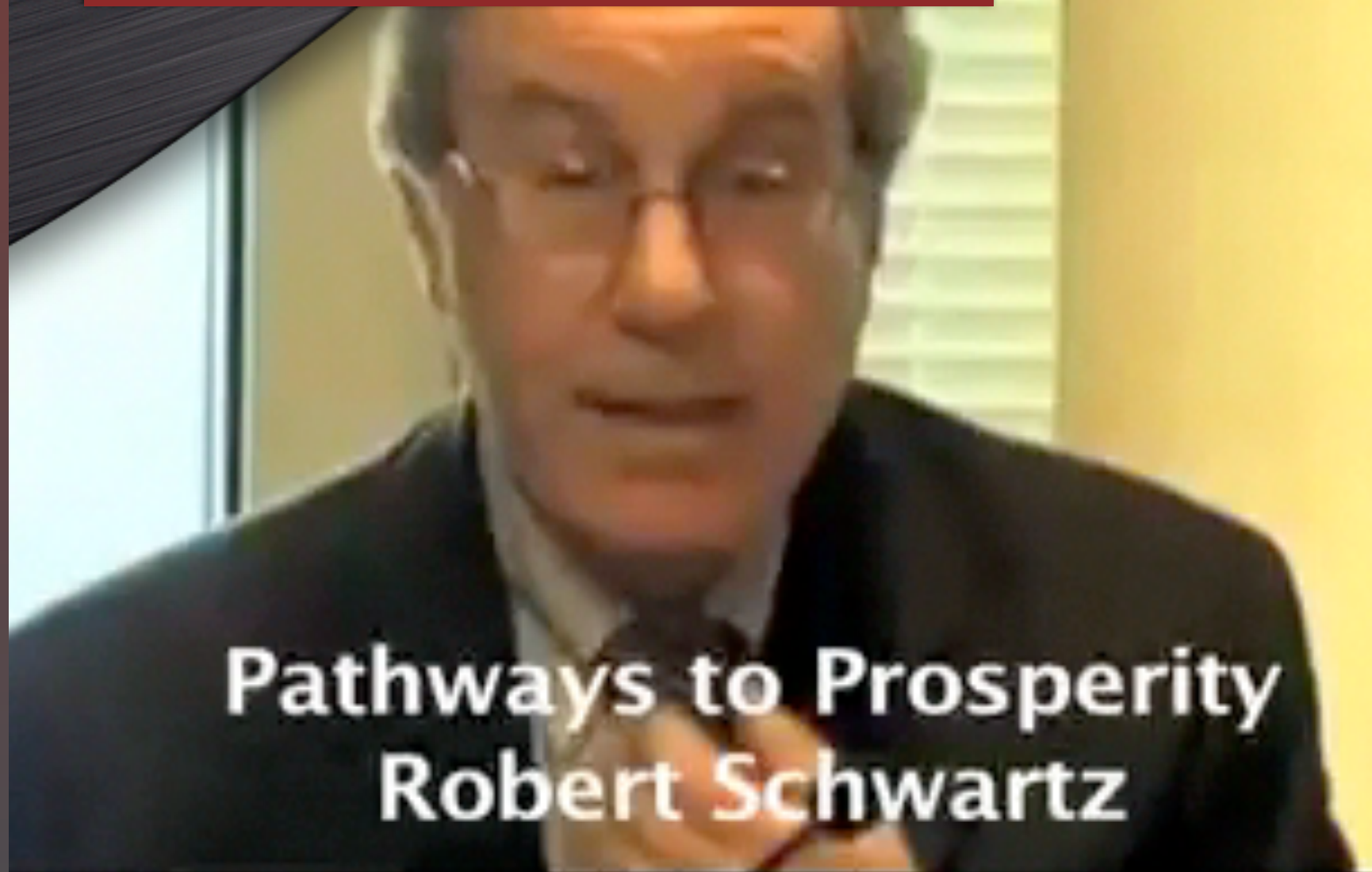
Pathways to Prosperity

- Education beyond high school
- Community College, Apprenticeships, 4 Year College, Career Training, Vocational Education, Certificate Programs
- Equity of Education
- More Students Graduating High School
- Meaningful Education

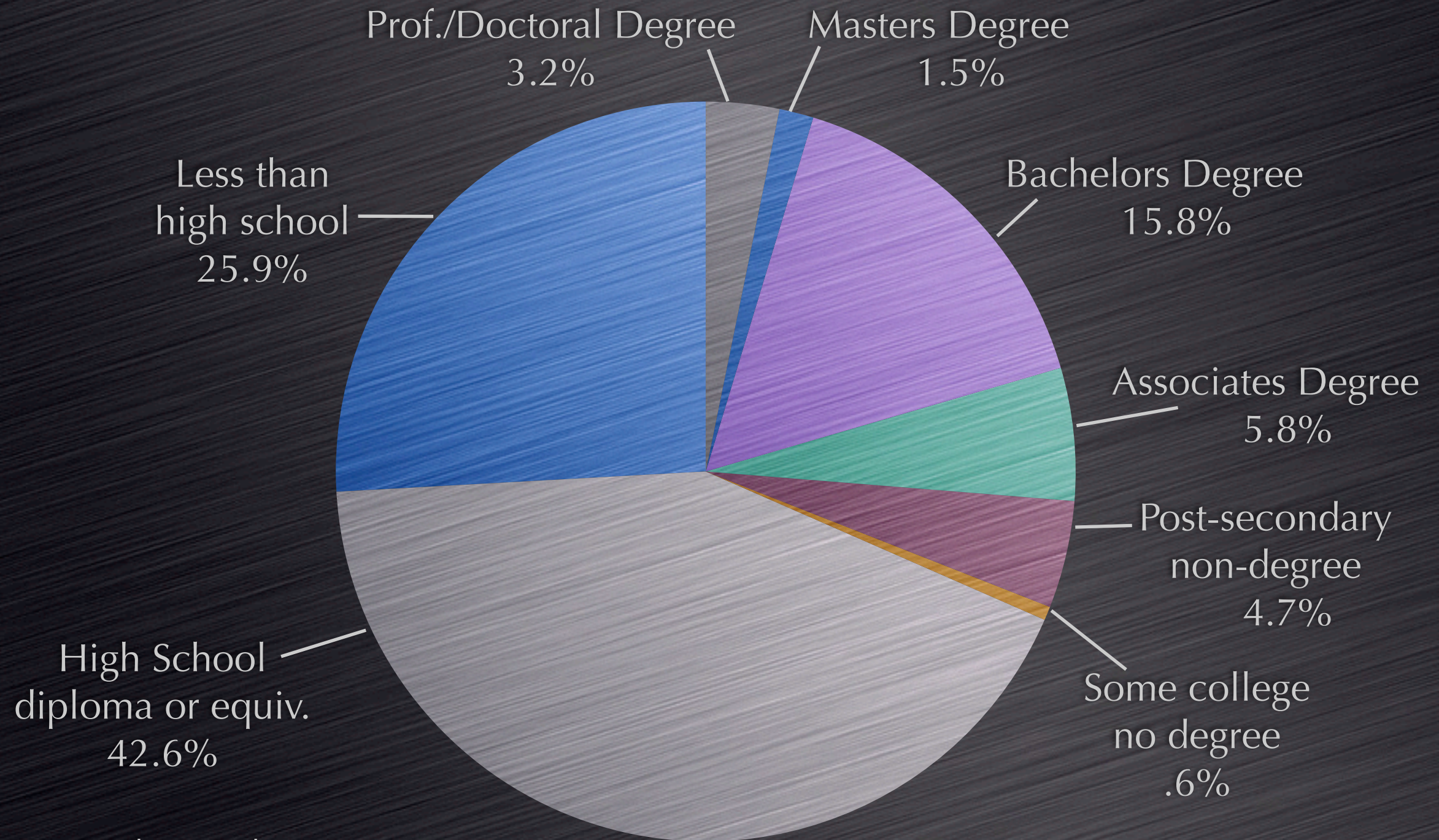
What is our vision?

“27 percent of people with post-secondary licenses or certificates—credentials short of an associate’s degree—earn more than the average bachelor’s degree recipient.”

Pathways to Prosperity
Harvard Graduate School of Education



Employment by Education 2020



Represents the typical
education level needed
to enter the occupation.

Bureau Labor Statistics, Feb. 2012

Employment by Education

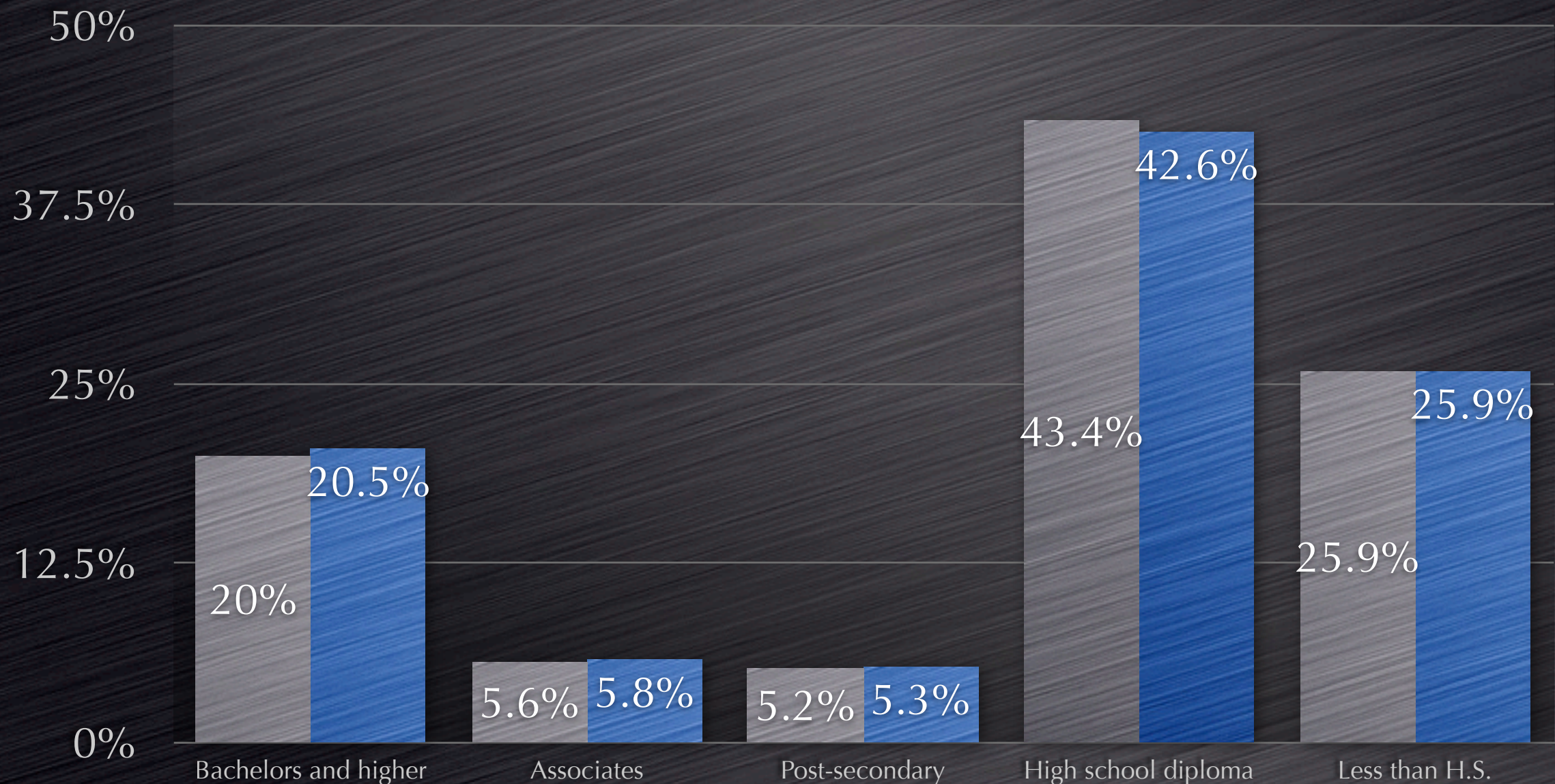


2010



2020

Represents the typical education level needed to enter the occupation.



Bureau Labor Statistics, Feb. 2012

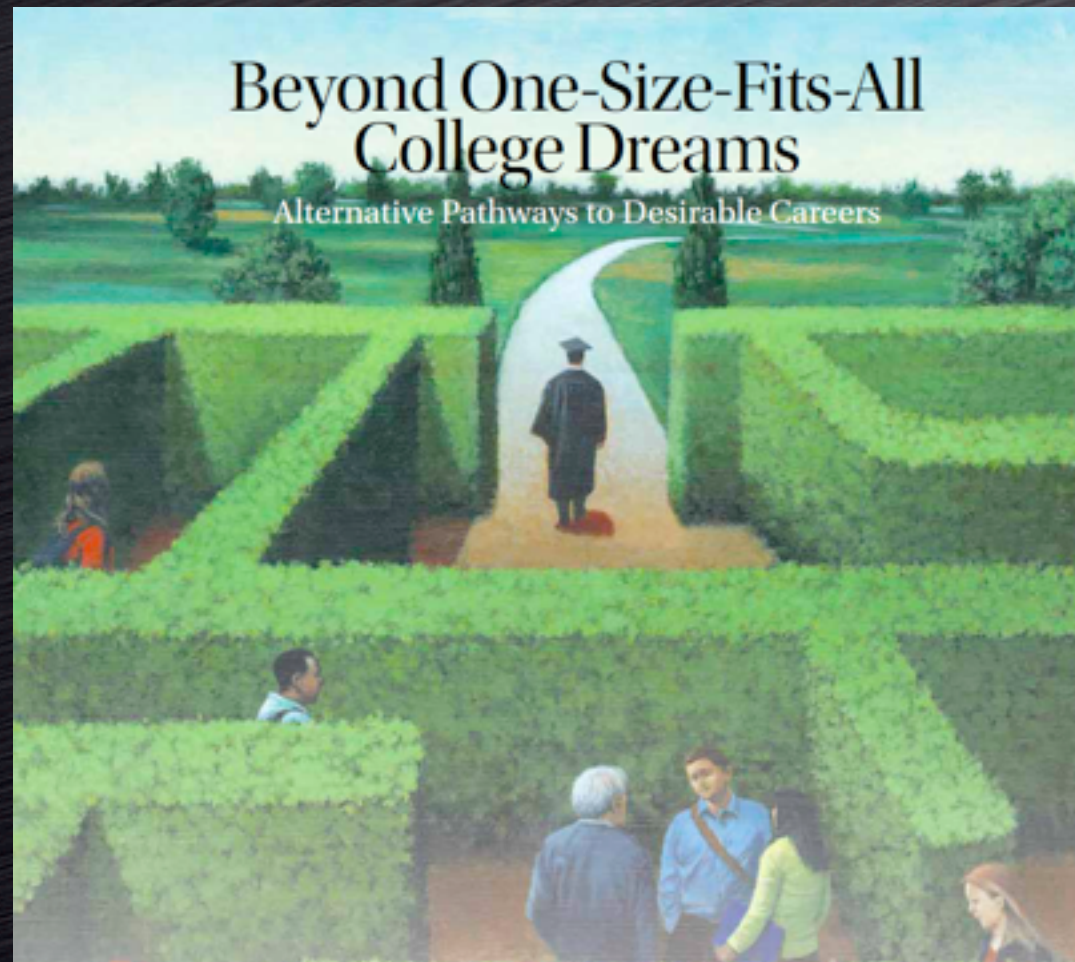
Largest employment growth

Personal care aide
Home health aide
Medical secretary
Medical assistant
Registered nurse
Physicians
Receptionists
LPN
Construction laborer
Landscaping

Fastest employment growth

Personal care aide
Home health aides
Biomedical engineer
Helpers-brickmasons
Helpers-carpenters
Veterinary technologists
Reinforcing/rebar workers
Physical therapist assistants
Helpers-pipelayers, plumbers
Event planners

Bureau of Labor Statistics 2010-2020 Projections



“We all know that many people with jobs that require a BA (e.g., teachers, social workers, etc.) are paid less than some people with jobs that require an AA (e.g., computer specialist, engineering technicians, mechanics, heating/air conditioning repairers, dental and medical assistants, insurance appraisers, and funeral directors). Moreover, there are indications that the BA payoff has declined in recent years.”

James E. Rosenbaum
Northwestern University

Convenient

Technology will solve our problems



Inconvenient

Using technology to promote dialogue, innovate, and solving complex problems

Digital-Age Literacy

- Basic, Scientific, Economic, and Technological Literacies
- Visual and Information Literacies
- Multicultural Literacy and Global Awareness

Inventive Thinking

- Adaptability, Managing Complexity, and Self-Direction
- Curiosity, Creativity, and Risk Taking
- Higher-Order Thinking and Sound Reasoning

Effective Communication

- Teaming, Collaboration and Interpersonal Skills
- Personal, Social and Civic Responsibility
- Interactive Communication

High Productivity

- Prioritizing, Planning, and Managing for Results
- Effective Use of Real-World Tools
- Ability to Produce Relevant, High Quality Products

enGauge 21st Century Skills

Metiri Group



Technology Connected Yet Disconnected



Sherry Turkle, MIT (2011 TED)



CTE MUST LEAD IN THE DIALOGUE

What is our common message? To whom?

How does CTE communicate the message
that school is more than
preparing for “college?”

What are your 3 biggest wows today
and how are you going to act upon them?



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