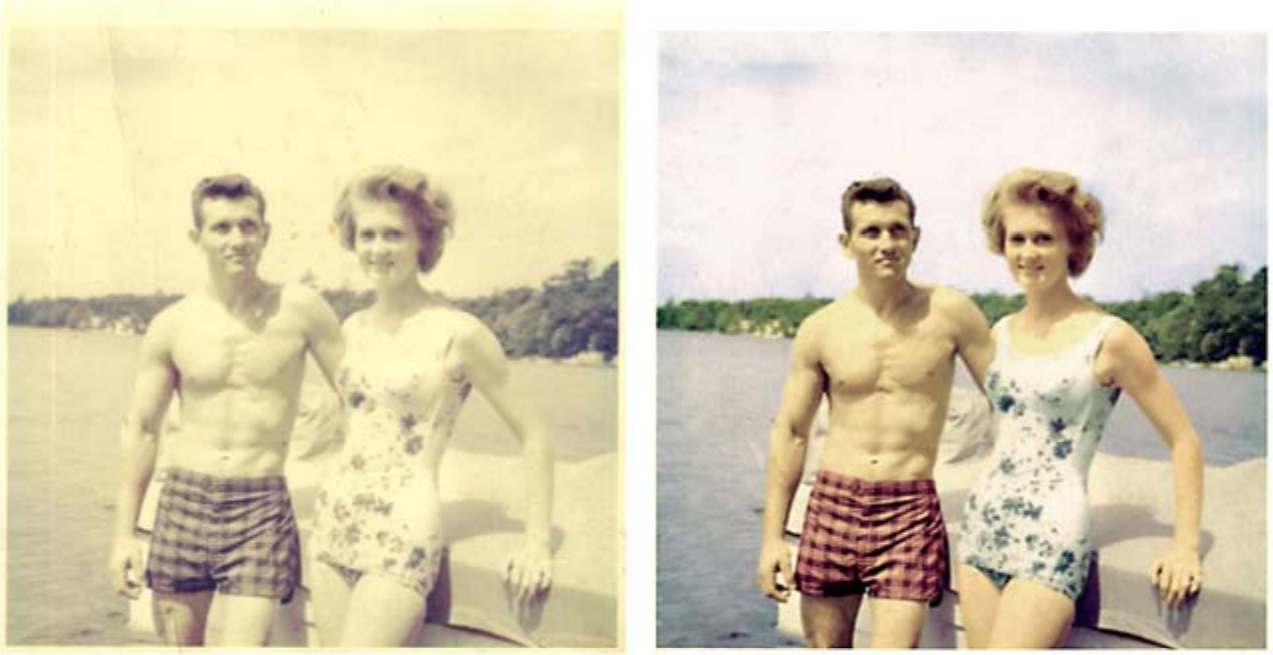
Some ‘before’ and ‘after’
slides from Dr. Scott McLeod
www.dangerouslyirrelevant.org



Before & After

Importance of creativity

- Daniel Pink, *A Whole New Mind*

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?

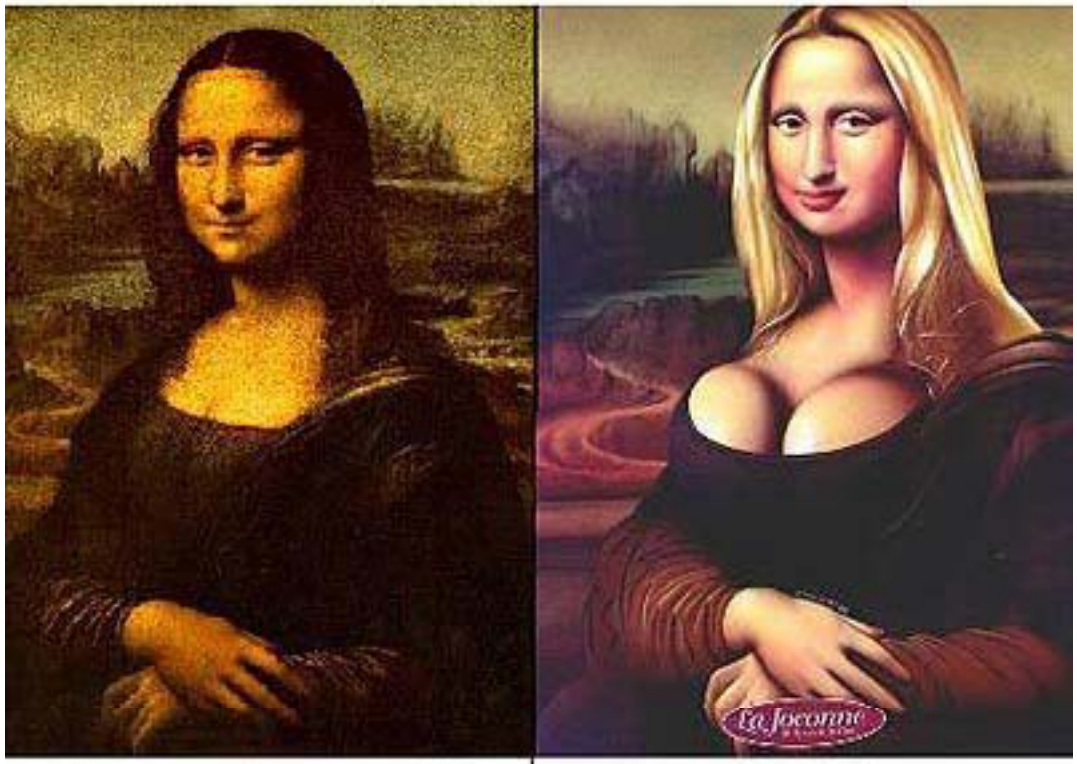
- Relationships, collaboration, creativity, innovation, problem-solving, pattern detection, synthesizing, adding value

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?

Monalisa after one week in USA



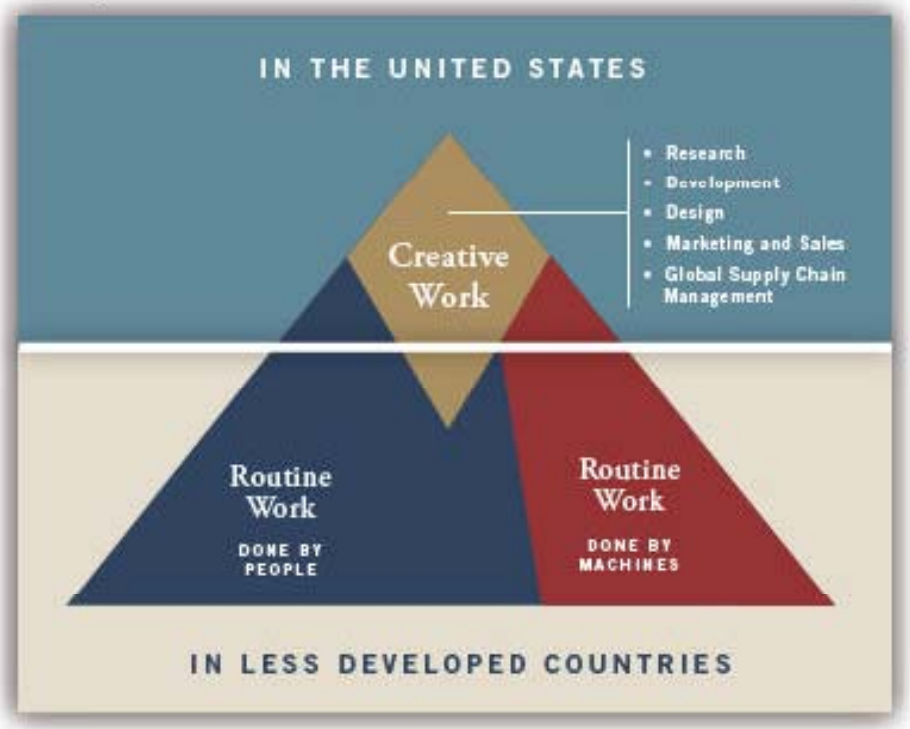
Before | **After**

New Commission on the Skills of the American Workforce, 2007

Earlier, almost all the jobs subject to automation were low-skill jobs. That is no longer true. Now it is more accurate to say that the jobs that are most vulnerable are the jobs involving routine work. If someone can figure out the algorithm for a routine job, chances are that it is economical to automate it.

PROTOTYPICAL U.S. INDUSTRY

in 10 years if all goes well



TIME, December 2007

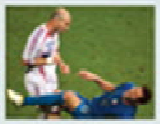
The new Web is a very different thing. It's a tool for bringing together the small contributions of millions of people and making them matter. [As these tools get put in the hands of ordinary people, we are seeing] an explosion of productivity and innovation. It's just getting started, as millions of minds that would otherwise have drowned in obscurity get backhauled into the global intellectual economy.

DECEMBER 18, 2006

www.time.com

SPY STORY
A TALE OF POISON, POLITICS AND REVENGE

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



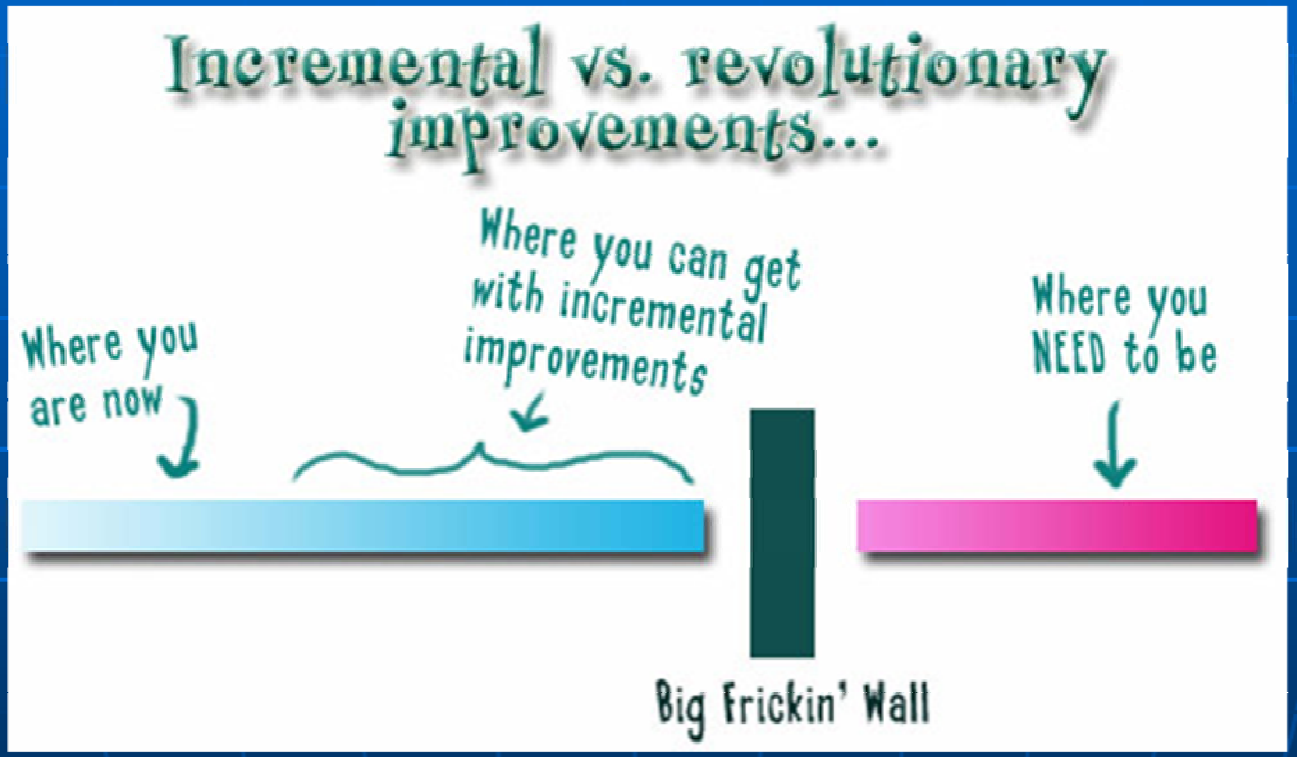
TIME

How To Build a Student For the 21st Century

BY CLAUDIA WALLIS & SONJA STEPTOE

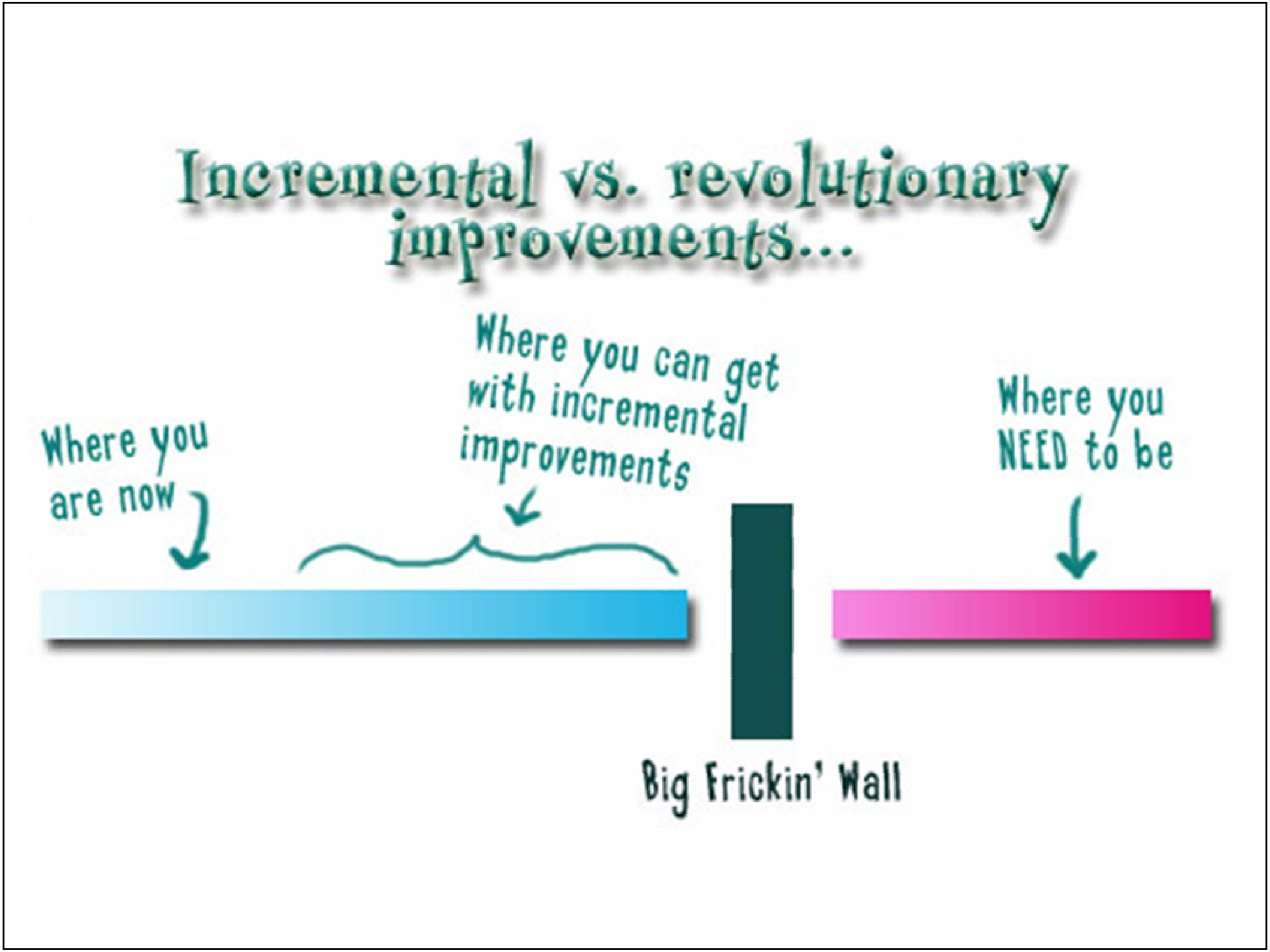
Before & After

We need to somehow change faster



No one jumps a 20 foot chasm in two 10 foot jumps. – Miguel Guhlin

Credits: http://tinyurl.com/2urbsm and http://tinyurl.com/37em64 (see Guhlin comment)


Incremental vs. revolutionary improvements...
Where you are now
Where you can get with incremental improvements
Where you NEED to be
Big Frickin' Wall

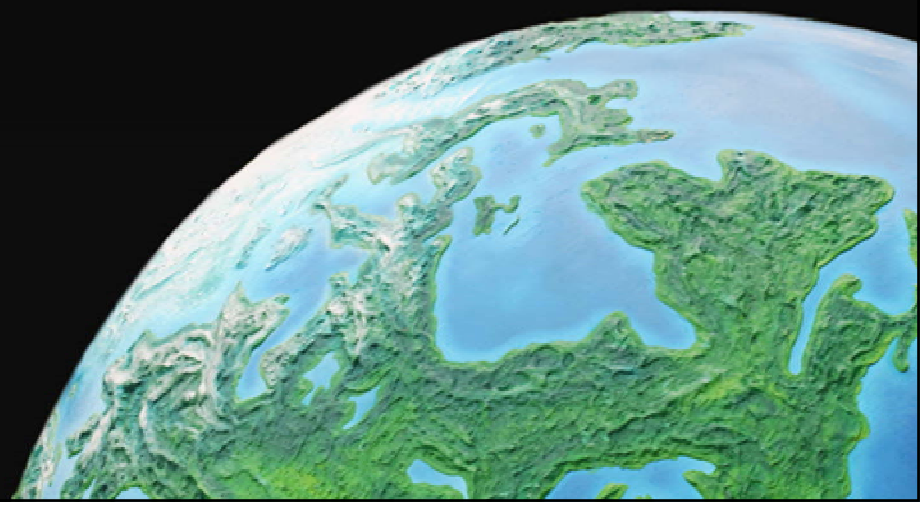
100% Proficiency on Old Skills?

A candid conversation about the demands of NCLB and preparing students for the New Economy

Dr. Scott McLeod
Director, CASTLE
February 27, 2007

The information society is here

Are our schools up to the task?



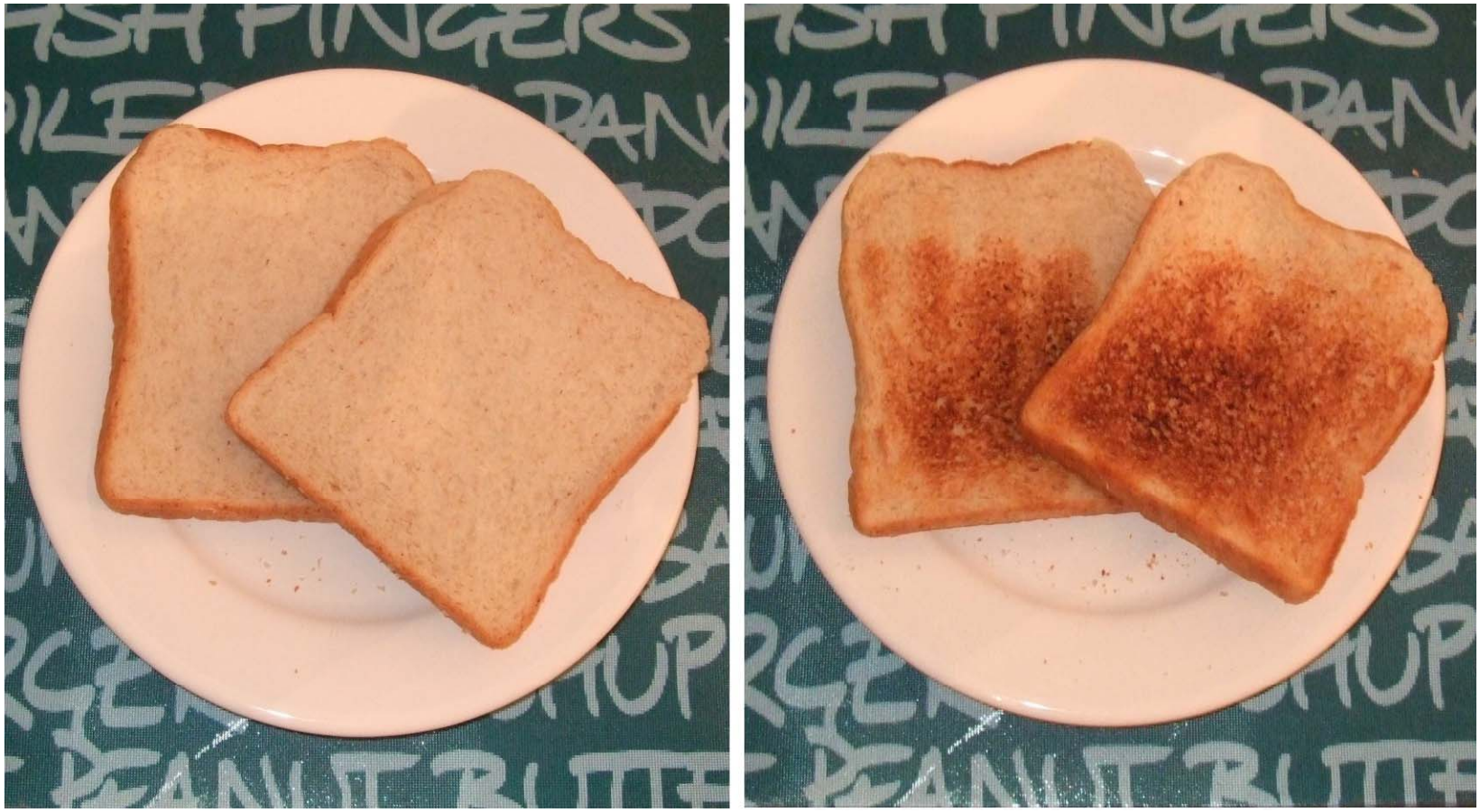
Dr. Scott McLeod
CASTLE

Canon
PowerShot SD800 IS
DIGITAL ELPH
3.8x IS
7.1 MEGA PIXELS

20x
CANON

Canon
EOS

3CCD



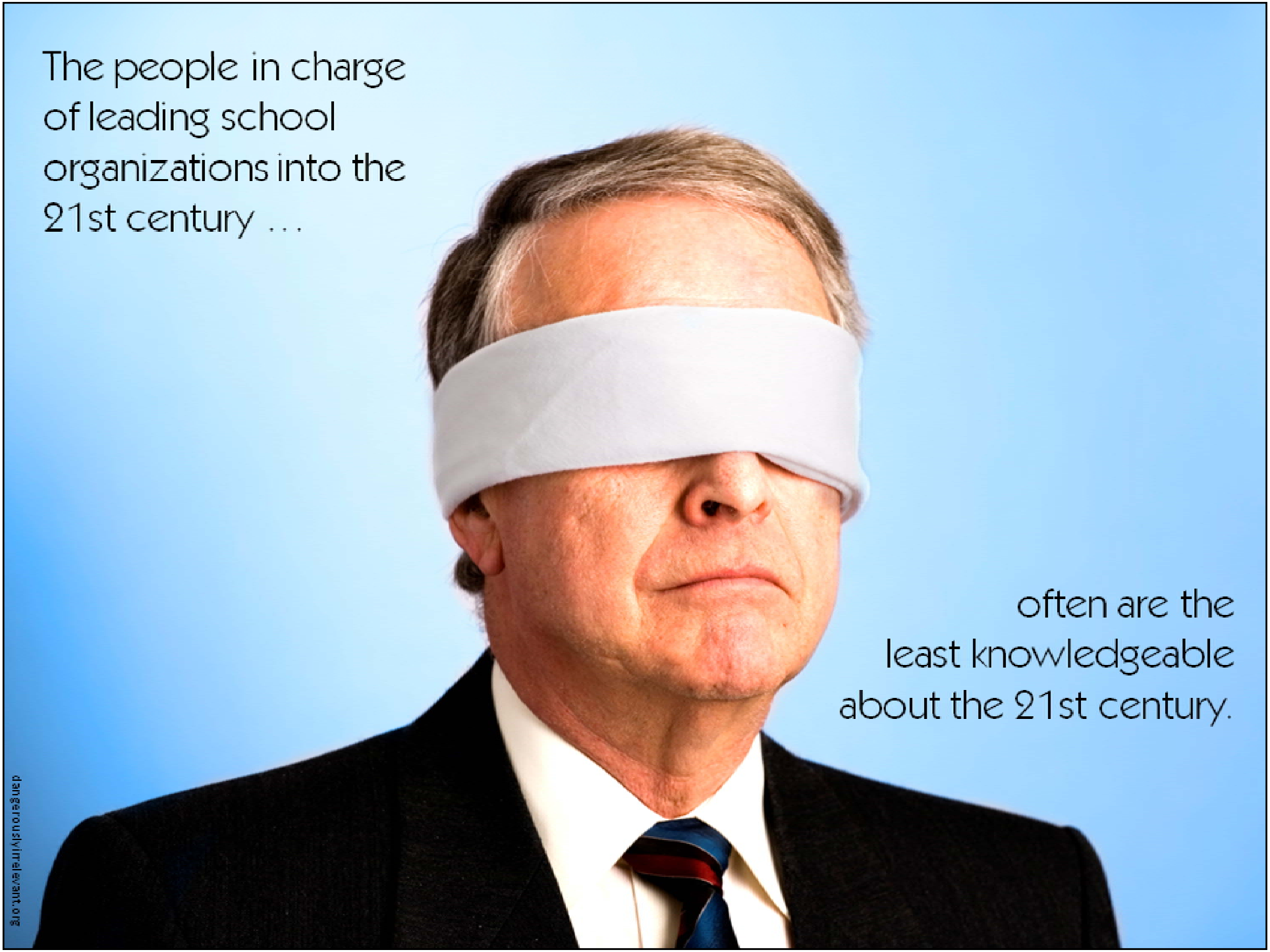
Before & After

CASTLE

Aging population

- Most of the current folks in charge don't really "get it"
- By 2030, there will be twice as many retirees as now but only 18% more workers
- Neither education nor technology is generally high on senior citizens' list of interests
- Different views of work, education, and life

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



often are the least knowledgeable about the 21st century.

dangerouslyirrelevant.org

Most of our leaders don’t “get it”

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

dangerouslyirrelevant.org

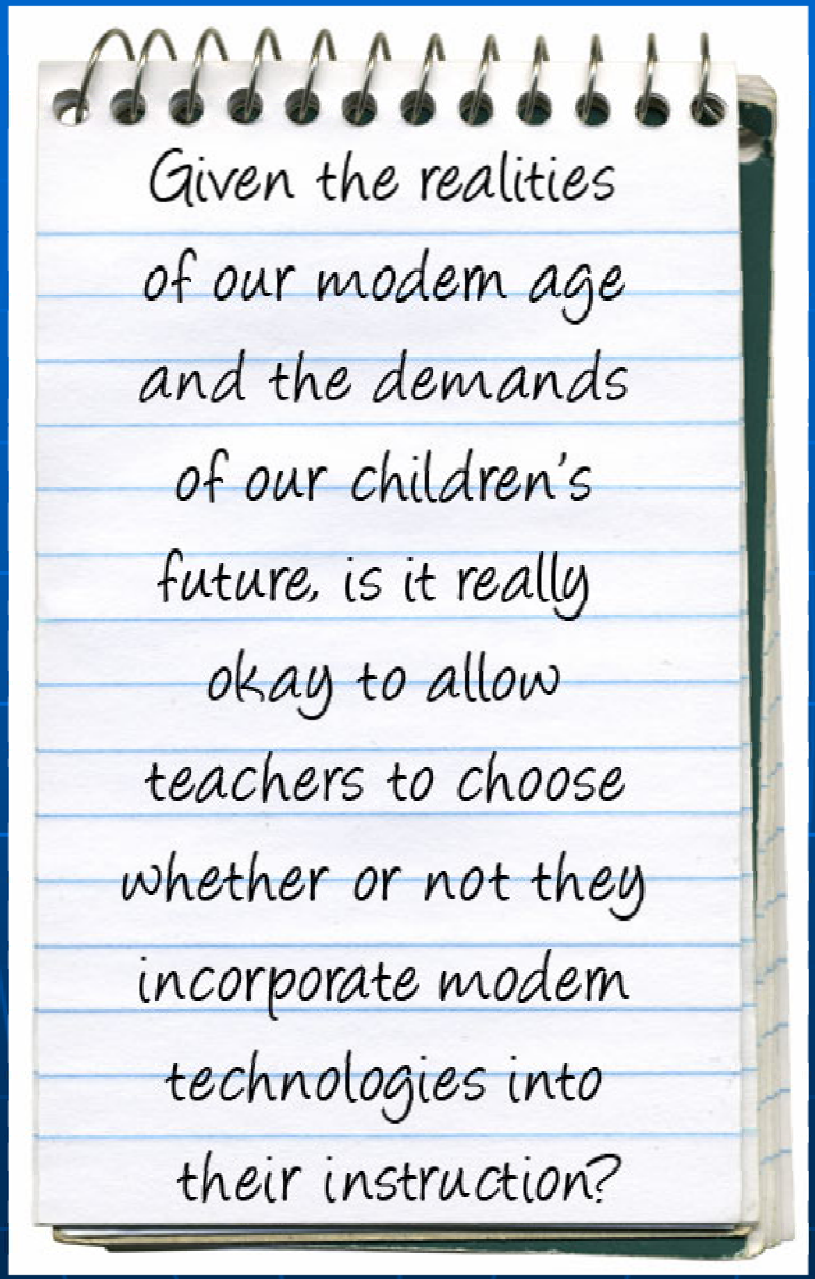
CASTLE

What lies in the future?

- The future is unknown, but we can extrapolate from these trends
- The purpose of schools is to prepare students for their futures (not the past)
- We have a responsibility to our children, our grandchildren, our communities, and our nation to try and be proactive, not reactive, about this

The 21st century is here.

(Isn't it time we started preparing students for it?)


Given the realities
of our modern age
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technologies into
their instruction?

Given the realities of our modern age and the demands of our children's future, is it really okay to allow teachers to choose whether or not they incorporate digital technologies into their instruction?

Before & After

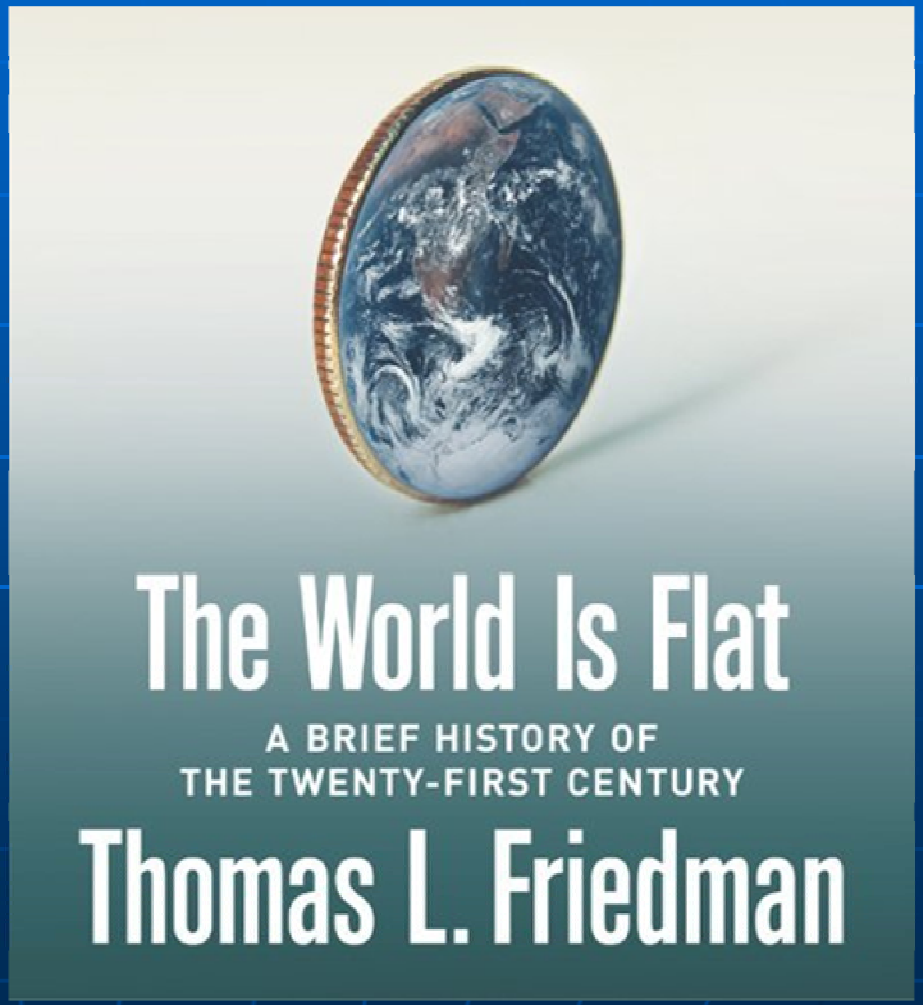
CASTLE

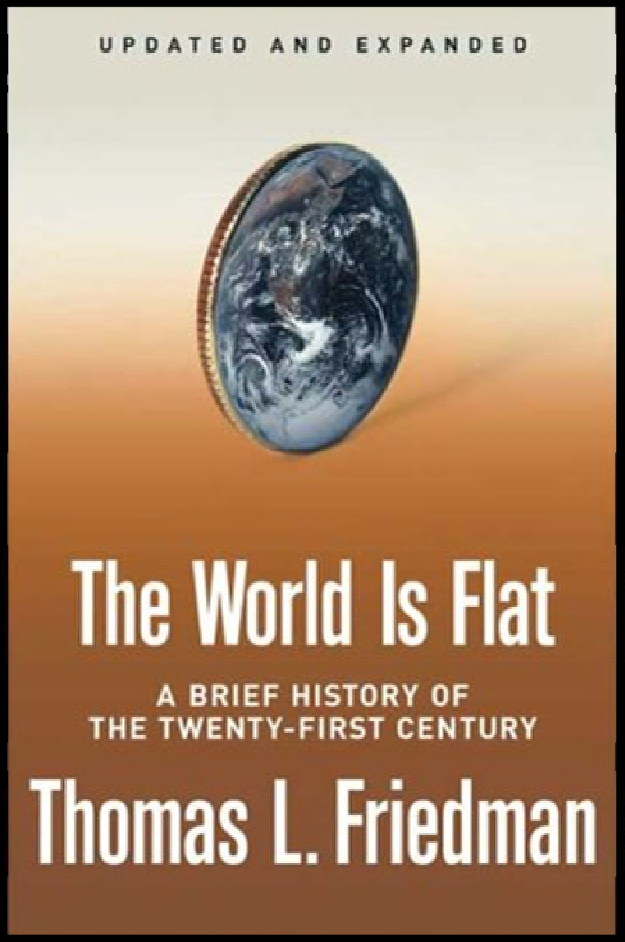
Globalization

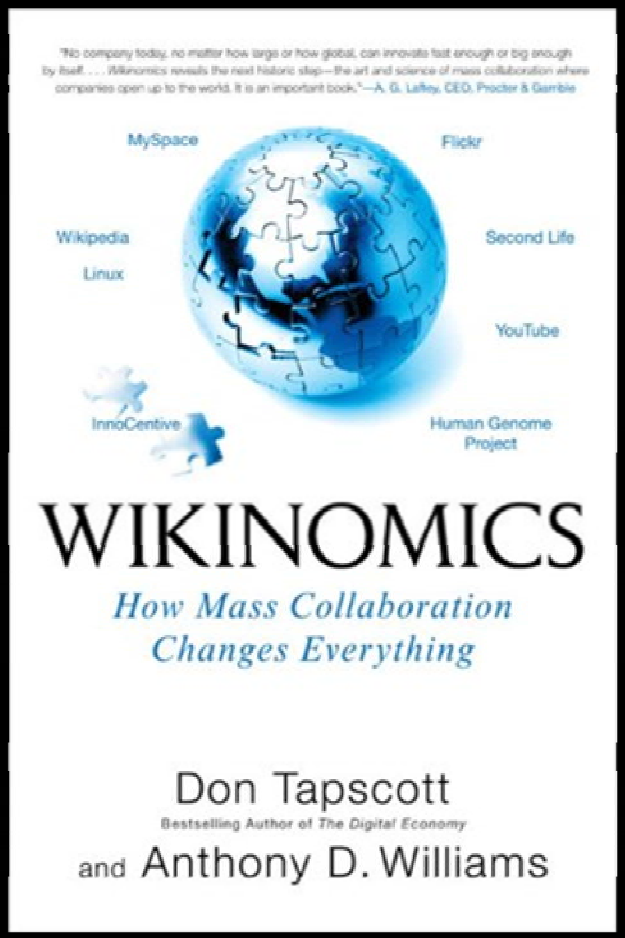
- Economic and cultural
- *The World is Flat*, Thomas Friedman

Globalization

- Economic and cultural
- *The World is Flat*, Thomas Friedman
- *The Flight of the Creative Class*, Richard Florida




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
MySpace
Flickr
Wikipedia
Second Life
Linux
YouTube
InnoCentive
Human Genome Project
WIKINOMICS
How Mass Collaboration Changes Everything
Don Tapscott
Bestselling Author of The Digital Economy
and Anthony D. Williams

CASTLE

Increased technology

- The Internet as we know it is less than a decade old
- Technology is changing rapidly
- Technology has revolutionized scope and scale of creativity and reach

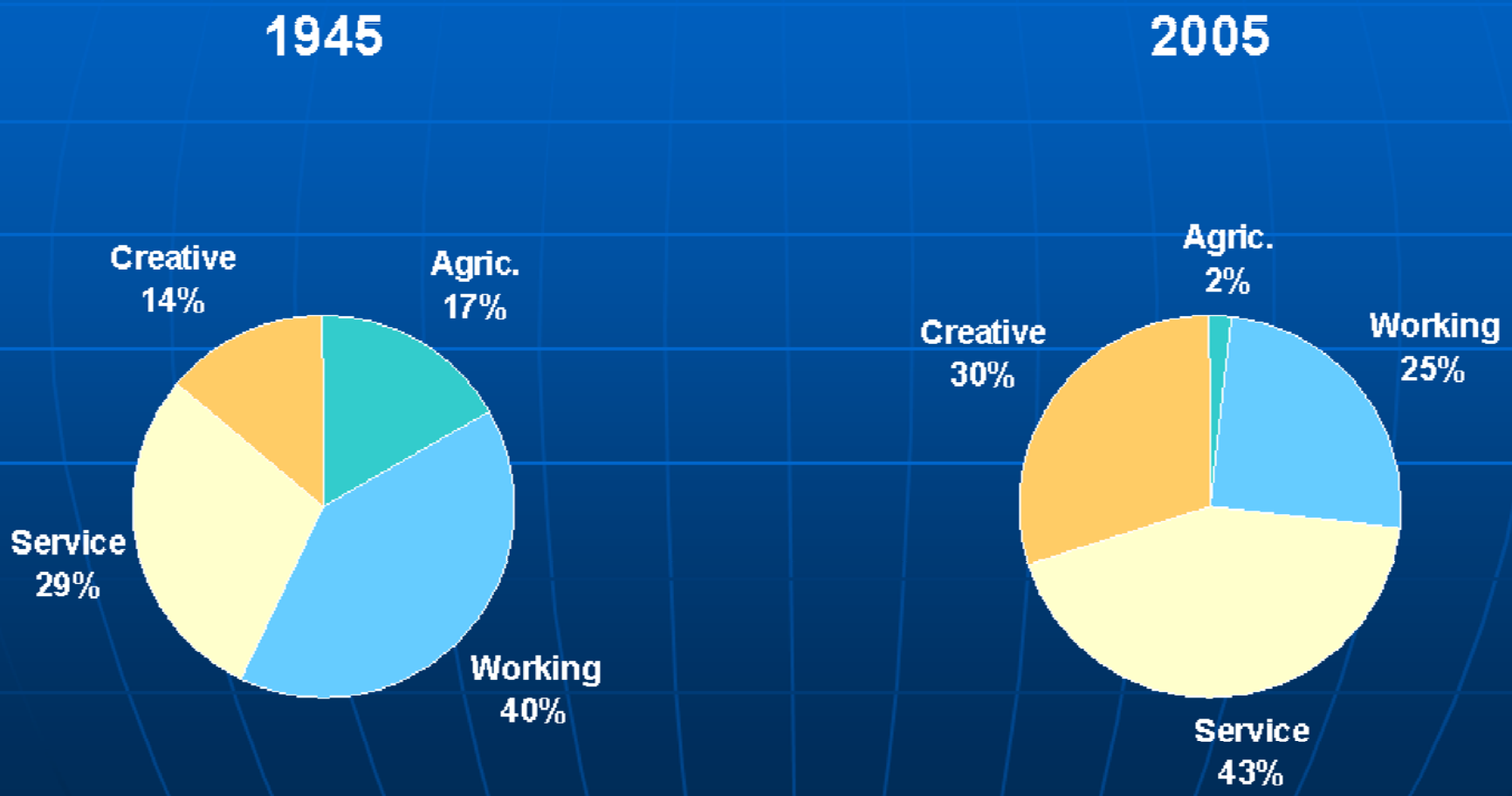
Technology is changing us

This is about our way of life. An historical analog would be the Industrial Revolution, but compressed into 15 years - not played out over a century. Hang on - this will be quite a ride.

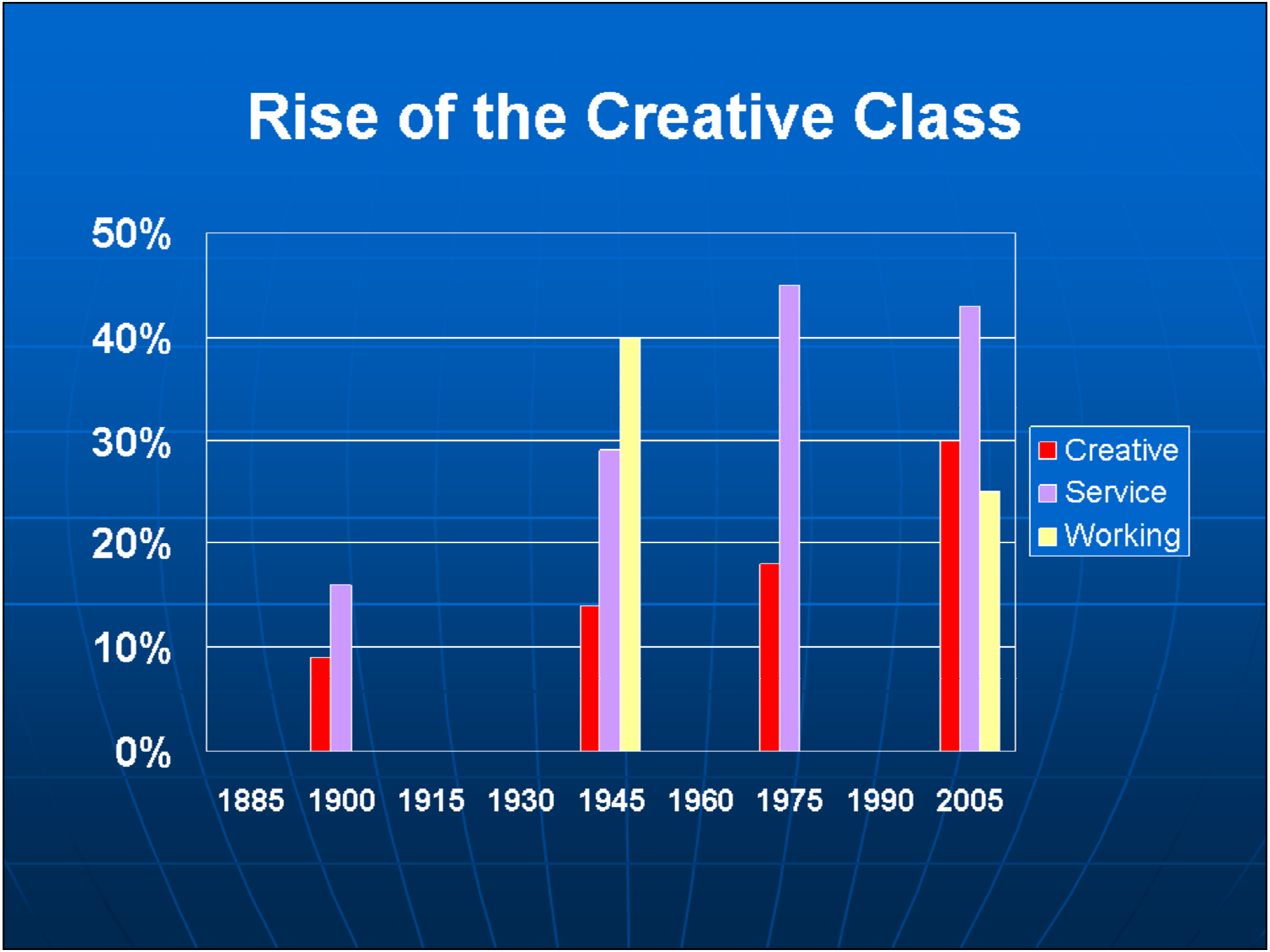
- Joseph S. Kraemer

Technology is changing us

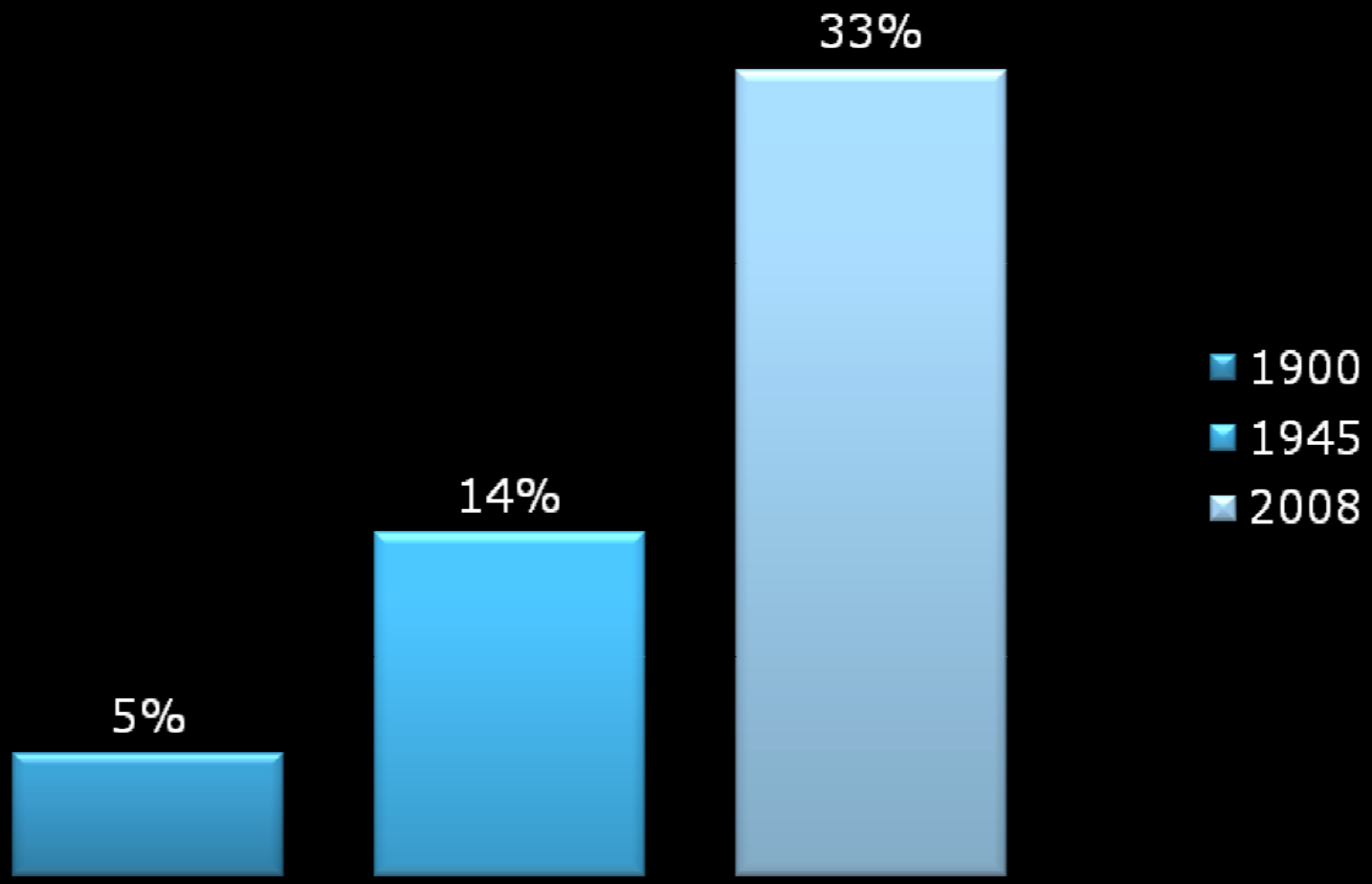
Rise of the Creative Class

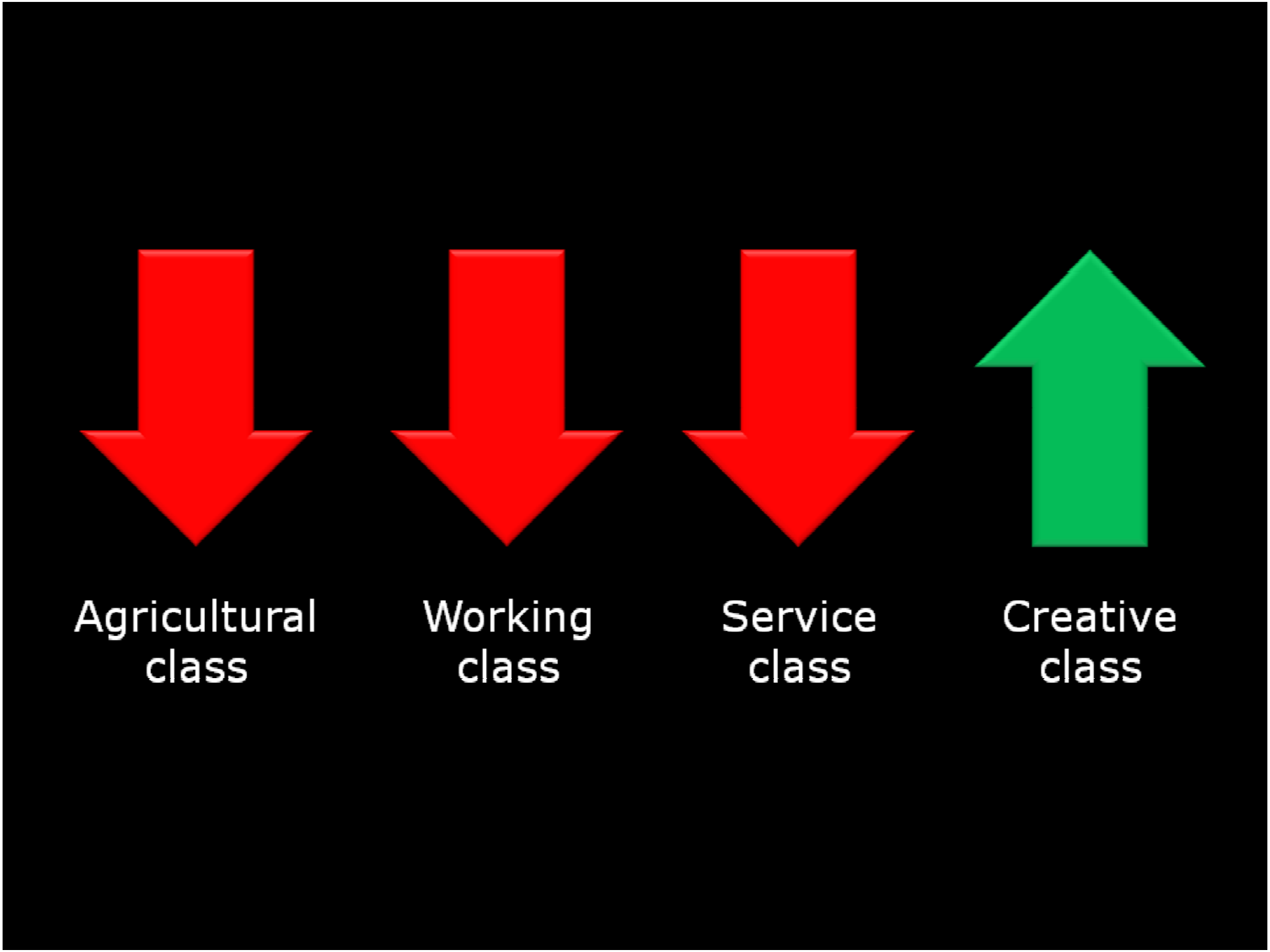


Rise of the Creative Class



Growth of the Creative Class




Agricultural class
Working class
Service class
Creative class