Education in the Era of Consequence:
The Partnership Imperative for the University of Illinois and the Chicago Public Schools
The "Era of Consequences"

Source: J. Walker Smith, The Darwinian Gale, The Futures Company
Shaping the Future

Five transformative trends will shape the environment for business over the next decade

The Great Rebalancing
- Emerging markets gaining a larger share of global GDP
- Growth of a multipolar global economy

The Productivity Imperative
- Economic growth in developed economies increasingly dependent on productivity gains
- Insufficient supply of highly trained talent for rising global demand

The Global Grid
- Increasing interconnection of markets, trade, and technology

Pricing the Planet
- Significant increase in resource demand as emerging markets surge
- Growing environmental pressures on business and society

The Market State
- Growing need of states to compete for economic growth and innovation
- Competition to attract business activity

Source: McKinsey & Company
Capitalizing on Complexity

- Embody creative leadership
- Build operating dexterity
- Reinvent customer relationships

Source: IBM
Sustainability Paradigm

- Social
  - Bearable
  - Equitable
- Environment
  - Sustainable
- Economic
  - Viable
The G7 Countries
BRIC: Brazil, Russia, India, China
China and India

Source: Metropolitan Policy Program at the Brookings Institute
Brazil

Source: Metropolitan Policy Program at the Brookings Institute

Global GDP

- 21.4% BIC Countries
- 20.2% US

2010

Source: International Monetary Fund, World Economic Outlook Database, April 2010
Global GOP Projection

Source: Metropolitan Policy Program at the Brookings Institute

Global GDP

25.8% BIC Countries
18.3% US

2015

Source: International Monetary Fund, World Economic Outlook Database, April 2010
Economic Performance 2009-2010

- Highest Performing Metros
- Lowest Performing Metros

Source: Brookings Institute, Global MetroMonitor, December 2010

Source: Metropolitan Policy Program at the Brookings Institute
The Next Economy

Source: Metropolitan Policy Program at the Brookings Institute
DELIVERING THE NEXT ECONOMY
From Macro Vision to Metro Action
High Tech Economy

Source: Metropolitan Policy Program at the Brookings Institute
Green Economy

Source: Metropolitan Policy Program at the Brookings Institute
Digital Economy

Source: Metropolitan Policy Program at the Brookings Institute
Smart Economy

Self-Driving Vehicles  Smart Homes  Remote Health Care

Source: Metropolitan Policy Program at the Brookings Institute
Employment Engines

2.2 million
green jobs

Source: Forthcoming research from Brookings and Battelle

Source: Metropolitan Policy Program at the Brookings Institute
Losing Our Competitive Edge

Source: Metropolitan Policy Program at the Brookings Institute

France
Sweden
Turkey
United Kingdom
Lebanon
Mexico
Canada
Bolivia
Spain
Switzerland
Uganda
Algeria
Estonia
Slovenia
South Africa
Mozambique
Morocco
United States
Honduras
Lithuania

Share of BAs in Science and Engineering

Source: National Science Foundation

45th
Achievement Gap

Bachelor’s Degree Attainment

- United States: 28%
- Asians: 50%
- Non-Hispanic Whites: 31%
- African Americans: 18%
- Hispanics: 13%

Source: US Census Bureau, 2008 American Community Survey
International Competition

Source: Andreas Schleicher, Organization for Economic Co-Operation and Development
International Competition

Expenditure per student at tertiary level (USD)

Tertiary-type A graduation rate

Source: Andreas Schleicher, Organization for Economic Co-Operation and Development
The Talent Dividend

$124 Billion

Source: CEOs for Cities
Why Focus on Educational Attainment?

<table>
<thead>
<tr>
<th>Unemployment by Education Level</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td>9.8%</td>
</tr>
<tr>
<td>Less than High School</td>
<td>15.7%</td>
</tr>
<tr>
<td>High School Only</td>
<td>10.0%</td>
</tr>
<tr>
<td>Some College/AA</td>
<td>8.7%</td>
</tr>
<tr>
<td>Four-year Degree</td>
<td>5.1%</td>
</tr>
</tbody>
</table>

Source: Bureau of Labor Statistics, November 2010
## The Talent Dividend

<table>
<thead>
<tr>
<th>Wages by Education Level</th>
<th>Weekly</th>
<th>Annualized</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than High School</td>
<td>$449</td>
<td>$23,348</td>
</tr>
<tr>
<td>High School Only</td>
<td>$622</td>
<td>$32,344</td>
</tr>
<tr>
<td>Some College/AA</td>
<td>$732</td>
<td>$38,064</td>
</tr>
<tr>
<td>Four-year Degree</td>
<td>$1,158</td>
<td>$60,216</td>
</tr>
</tbody>
</table>

Source: Bureau of Labor Statistics, Third Quarter 2010
A Nation at Risk – 1983
“What was unimaginable a generation ago has begun to occur—others are matching and surpassing our educational attainments.”
"We have, in effect, been committing an act of unthinking, unilateral educational disarmament."
“History is not kind to idlers.”
“The world is indeed one global village.”
“America’s position in the world may once have been reasonably secure with only a few exceptionally well-trained men and women. It is no longer.”
“Learning is the indispensable investment required for success in the ‘information age’ we are entering.”
“A high level of shared education is essential to a free, democratic society and to the fostering of a common culture, especially in a country that prides itself on pluralism and individual freedom.”
“I know no safe depository of the ultimate powers of the society but the people themselves; and if we think them not enlightened enough to exercise their control with a wholesome discretion, the remedy is not to take it from them but to inform their discretion.”
SAVING OUR SCHOOLS

Here's how business leaders, parents, teachers, and communities are starting to fix American education

Xerox CEO David Kearns speaks out for reform.
No Silver Bullet
World Class Standards
Responsible Global Citizens
Self-Confident Individuals
Effective, Literate Communicators
Preparation of Teachers and Principals
Differentiated Instruction
Targeted Investment in Key Developmental Transitions
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Targeted Investment in Key Developmental Transitions
Considerations for the University of Illinois Agenda

- Identity as a Global Institution (including student population)
- Re-invention of Government
- Wealth Disparities
- Health Disparities and Costs
- Economic Development, Innovation, Research
Considerations for the University of Illinois Agenda

• Education Access and Attainment
  • Elementary and Secondary Success
    • Principal Preparation (Urban Education Leadership)
    • Teacher Quality
      • Content Preparation
      • Extended Practicum and Mentoring
      • Use of Data
    • Pre-K to 12 Partnerships
  • Applied Research
  • College Readiness
  • College Access
  • College Graduation