



The Role & Contribution of Independent Research in Improving Urban Education

July 26, 2011

THE
CHICAGO
COMMUNITY
TRUST

AND AFFILIATES

Key Questions:

- **Education for what purpose?**
- **Research for what purpose?**
- **What are our challenges?**
- **What is the focus of research?**

The Context: The Numbers

- **1 billion:80%**
- **3 billion**
- **100 million**
- **2X**

The G20 Countries



President of China visits Walter Payton College Prep HS



Walter Payton College Prep HS makes reciprocal visit to China



Shaping the Future

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

The Great Rebalancing

- Emerging markets gaining 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

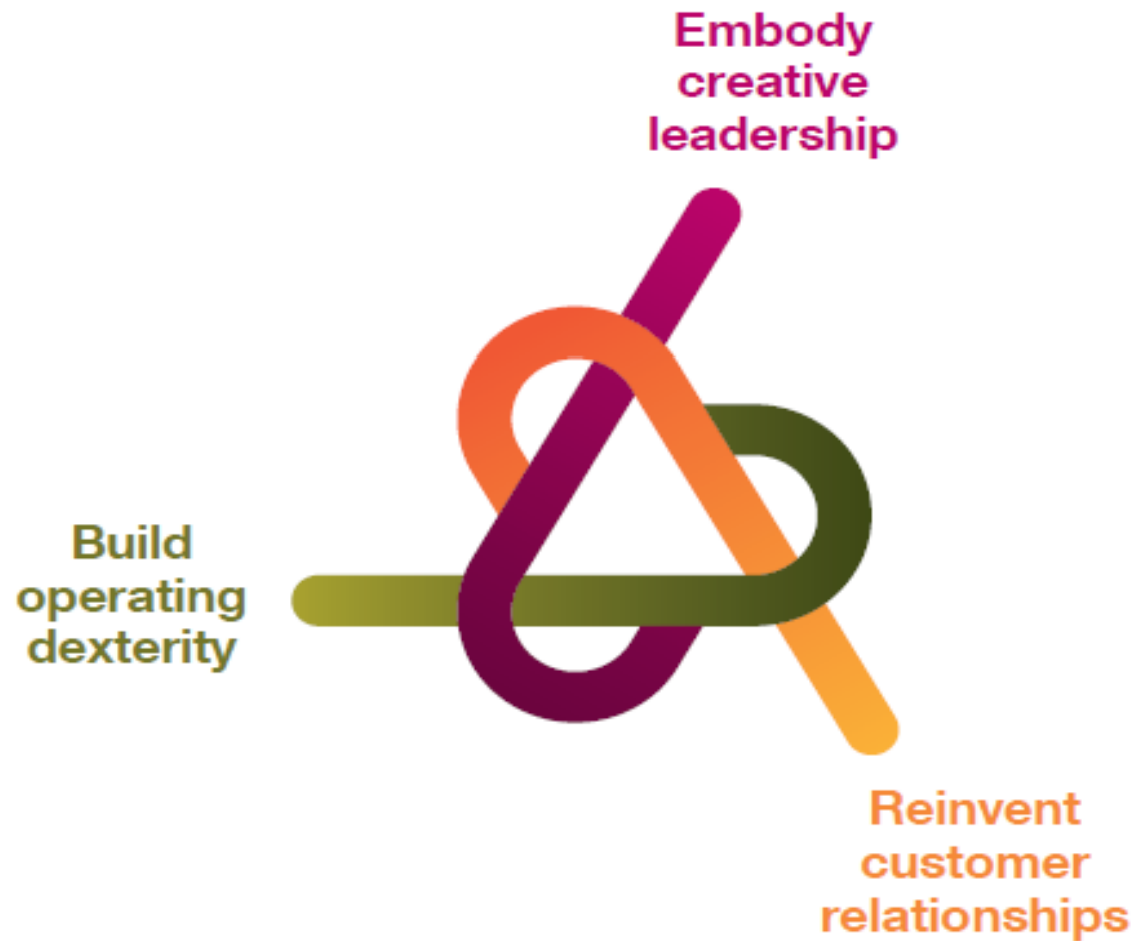


The Market State

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



Capitalizing on Complexity



High Tech Economy



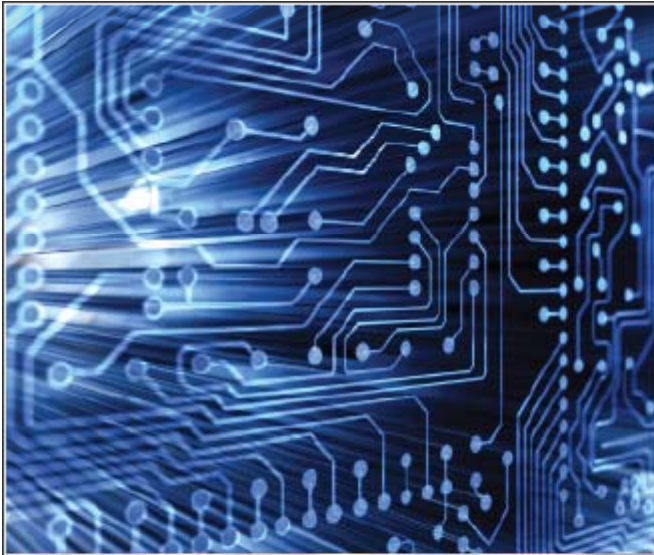
Source: Metropolitan Policy Program at the Brookings Institute

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

Photos: The New York Times, Microsoft

Smart Economy



Source: Microsoft House of the Future

World Class Standards



Powerful and Creative Thinkers



Responsible Global Citizens



Responsible Global Citizens



Responsible Global Citizens



Self-Confident Individuals



Effective, Literate Communicators



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What do our public schools need to solve for?

- **Raising standards of achievement in response to international competition.**
- **Accelerating the rate of improvement with reduced resources.**

The Challenge

“Without poetry, those math scores just don’t have the lift-off.”

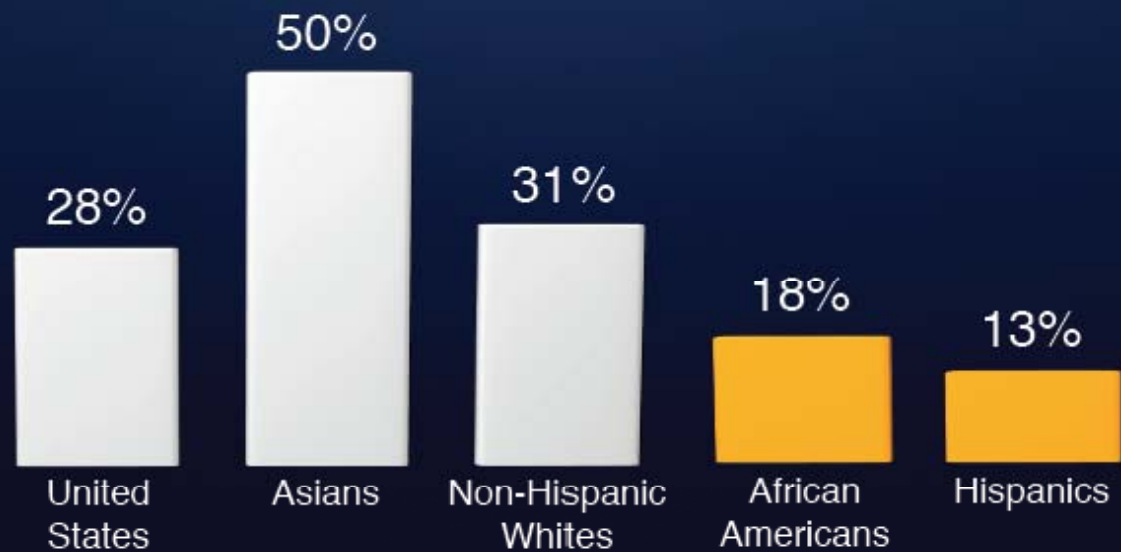
Peter Sellers, MacArthur Genius and
Artistic Director, Lyric Opera’s Hercules

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Achievement Gap

Bachelor's Degree Attainment



Source: US Census Bureau, 2008 American Community Survey

Source: Metropolitan Policy Program at the Brookings Institute

Unintended Consequences



Original image: MotorTrend.com. Design: K. Allgeier, The Chicago Community Trust

Unintended Consequences



Original image: AutoWorld. Design: K. Allgeier, The Chicago Community Trust

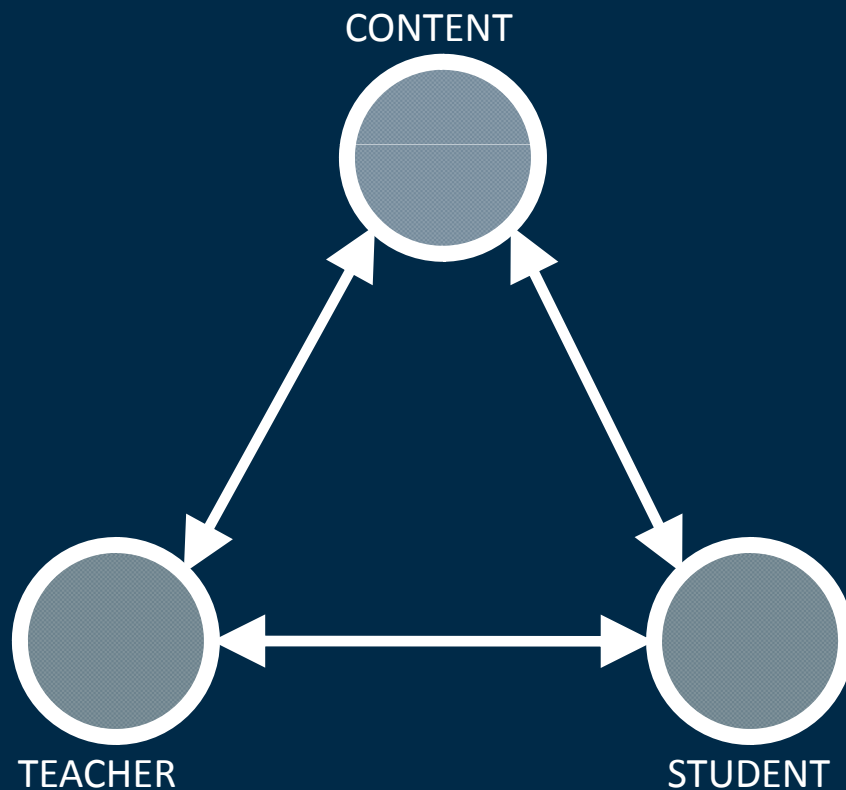
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Comprehensive Curriculum & Aligned Assessments



The Instructional Core



Principle #1: Increases in student learning occur only as a consequence of improvements in the level of content, teachers' knowledge and skill, and student engagement.

Principle #2: If you change one element of the instructional core, you have to change the other two.

Principle #3: If you can't see it in the core, it's not there.

Principle #4: Task predicts performance.

Principle #5: The real accountability system is in the tasks that students are asked to do.

Principle #6: We learn to do the work by doing the work.

Principle #7: Description before analysis, analysis before prediction, prediction before evaluation.

What we know to be true



Ambitious Instruction and High Standards



**Ambitious instruction
that focuses on high
standards/goals for
teaching and learning**

Professional Communities



**Knowledgeable and
skilled professional
communities**

Engaged Families and Communities



Engaged families and communities whose resources are tapped by schools to support students' learning

Climates for learning and development



Climates conducive to learning and human development

Leadership



Leadership that enables and supports the achievement of these components at all levels of the system

Targeted Investment in Key Developmental Transitions



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Organizing the District for System-wide Excellence

