



CENTER OF EXCELLENCE
IN LEADERSHIP OF LEARNING

*Transforming Education,
Focused on Achievement*

Snapshot of
**INDIANA'S
FUTURE:**

World-Class Schools for the 21st Century

Leadership, Learning & the Global Economy

November 1-2, 2006

The Global Economy

Gail Cassell, vice president of scientific affairs and distinguished Lilly research scholar for infectious diseases at Eli Lilly and Company, a member of the committee responsible for the findings of *Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future*, shared concern that science and technology building blocks critical to economic leadership are eroding at a time when many other nations are developing into competitors. This new talent pool is only a “mouse-click” away given the “death of distance” ushered in by the digital age. An abrupt shift away from America’s predominance as leaders of innovation could lead to the loss of high-quality jobs, the basis for America’s high standard of living. Part of the committee’s recommendations relate to the science, technology, engineering, and math (STEM) initiative which includes increasing the nation’s talent pool by improving K-12 science and math education and developing and retaining the best students in science and technology-related fields. Cassell also noted that while improved education is necessary, it is not sufficient. Rather, a public-private sector synergy is key to our competitiveness.



Gail Cassell

Learning in a Digital Age

According to **Cheryl Lemke, chief executive officer of the Metiri Group**, 21st-century context requires 21st-century content which places a greater emphasis on STEM. The shifts in the global economy also have placed new importance on particular skill sets. A student who is a 21st-century learner will be: a critical thinker/problem solver, communicator, team player/collaborator, media and tech savvy consumer of information, and an innovative producer, as well as self-directed, intellectually curious, and globally/culturally aware.



Cheryl Lemke

International education which develops global and cultural awareness encompasses particular knowledge, skills and values not currently emphasized in school. Students will need knowledge of other world regions, cultures and global/international issues. They will need skills in communicating in languages other than English, working in global or cross-cultural environments, and using information from different sources around the world. Respect and concern for other cultures and people are important values needed in the 21st century, according to **Vivien Stewart, vice president, education, Asia Society**.



Vivien Stewart

“[The conference provided] ideas for change to make our school ‘high performing.’”

– superintendent

Stewart shared that most European countries start a first foreign language in the elementary grades. China teaches English from third grade. One quarter of Australian students learn Asian languages. South Korea, Singapore and Taiwan have developed master plans to put high-speed computers in schools as a means of connecting students to world knowledge. One in five jobs is tied to international trade, Stewart said.

“[It is] important to meet the needs of all students and teachers, teach students at a ‘deeper level’ and make sure we address all students’ talents. Why make a student wait for learning in technology?”

– educator



Eugene White
Indianapolis Public Schools Superintendent



Bart Peterson
Indianapolis Mayor



Suellen Reed
Indiana Superintendent of Public Instruction



Jass Stewart
The Big Picture Company



Yong Zhao

Digital Citizens in a Global Economy

Not only do we live in a digital age, we have moved into the conceptual age, noted **Yong Zhao, director of the U.S.-China Center for Research and Educational Excellence**. Schools need to recognize the world has changed and information, communications and technology are not tools to support what we have been teaching, but rather to teach the skills needed to live in a digital world.

Schools in the 21st Century

Sir Dexter Hutt, executive head of the Ninestiles Federation of Schools in England emphasized “a good end of a 20th-century school is not a 21st-century school” because schooling can no longer be about “doing the same things better.” In order to create schools that prepare students for the first part of the 21st century, his school leaders are encouraged to see their students as clients and then to consider the implications for personalizing the curriculum, the use of data and assessment, and differentiated teaching and learning. The cornerstones of reform efforts in England have been increased pay, freedom in decision-making and much greater public accountability for both teachers and principals.

This belief is supported by **Ted Hershberg, director, Operation Public Education and professor of public policy and history at the University of Pennsylvania**. Hershberg noted that the old way of doing school is no longer good enough, in part because it focused on student achievement to identify top students rather than focusing on student growth. New technologies and data sets now make it possible to trace individual students over time, link the teacher for every student and grade to the individual student’s record, and then measure the impact of instruction on student learning.



Ted Hershberg




Sir Dexter Hutt

“To be able to hear from world leaders in educational transformation, and most importantly from leading communities who are actively implementing these new delivery models, is invaluable. To have this conference in our own backyard is a tremendous opportunity for all.”

– business and community leader

a c h i e v e m e n t STEM

More than 550 conference participants representing:

-  38 counties  64 school districts  20 colleges and universities 
-  35 business/community organizations  school board members 
-  superintendents  assistant superintendents  principals 
-  vice-principals  teachers  business and community leaders 

21st-

century skills

economy.

innovation

Additional resources related to information presented at the conference are available: <http://cell.uindy.edu>

Mark your calendars! *Indiana's Future 2007* is November 12-13, 2007, at the Indianapolis Marriott Downtown.
Visit <http://cell.uindy.edu> for more details.

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