

The Future GIST Update: 15 Trends Most Likely to Impact Grand Rapids Community College Over the Next Decade

Demographics

1. Aging Society-75 million baby boomers mature
 - a. Retirement-Traditional vs. Mix and Match
 - b. Leisure
 - c. Learning
2. Population Shift:
 - a. Western Countries will experience a population decline & will be older.
 - b. In developing country's populations will grow and be younger
 - c. More people to play with on the global economic field

Economics

3. Worker Shortages- $X + Y \neq BB$
 - a. Multi-generational Workplace/Workforce/Campus
4. Decline in the manufacturing workforce as we know it.
 - a. Increasing need for design, innovation, resilience, and COLLABORATION
5. Skills Gap-
 - a. Lag between what skills are needed and what skills workers have
 - b. Need for multiple-skills and a willingness to learn the next needed skill
 - c. Simply not enough younger workers to replace outgoing workers
6. Globalization: The Level Playing Field
 - a. The nation; b. The organization; c. The individual
 - b. Each individual will take more responsibility for their own learning
 - c. Work will consist of global collaboration
 - d. Highly competitive environment
 - e. The New Middle
 - i. The great collaborators
 - ii. The great adaptors
 - iii. The great explainers
 - iv. The green people

7. The Changing Business Environment

- a. Outsourcing-India – Rural Sourcing
 - i. Accounting
 - ii. Programming
 - iii. Information jobs
- b. Off-shoring-China, Mexico, etc.
 - i. More jobs have been lost to history than have been lost to off-shoring
- c. In-sourcing- UPS
 - i. Unlike the railroad it has seized the big picture
- d. Crowd-sourcing-Wikipedia
 - i. The Prosumer

Political Legal

8. Increased Accountability for Educators

- a. Reauthorization of the Perkins Vocational Technical Education
- b. Inability of Congress to reauthorize the Higher Education Act
- c. The Spelling Report and Recommendations
- d. The Cherry Commission
- e. Michigan Legislative Push Toward Performance-Based Funding of Education
- f. Increased academic standards in K-12

Education

9. Increasing call for deep infrastructural changes in America's Educational System

- a. Math Science Testing K-12: Raising the Scores vs. Raising the Curiosity, Passion for Learning
- b. Academic Discipline Silos to horizontal integrated multi-disciplinary
- c. Decline in math, science, and engineering majors
- d. Universities and Community Colleges
- e. Decrease in the number of foreign work visas.

10. The Competitive Environment

- a. On-line and Tech Savvy
- b. Globalization of Education
- c. Proprietary Schools

Environmental

11. Sustainability

- a. Balance between Population-Economics and Environment
- b. Alternative Energy/fuels
- c. Construction Industry LEEDS
- d. Wasting our Waste

Technology

12. Today's students: Digital, Mobile, Personal, and Virtual

- a. Rapid Accelerating Change
- b. In-forming-Google, Ubiquity of Content
- c. The digital convergence
- d. Information Systems as a Utility
- e. Chief Information Officers to Chief Integration Officers

Soci-ocultural

13. The Age of Fear

- a. Declining personal Liberties
- b. Homeland Security

14. The Connected Generation

- a. Social Networking
- b. Instant Messaging
- c. Massive Multi-Player Role Playing Games

15. The Unconnected Generation

- a. Loss of High Touch Skills
- b. May be less educated
- c. Lack of concern for their future
- d. Clueless to the accelerating change around them

Notes and Things to consider:

Consider this paraphrase of IBM's Lou Gerstner's strategy when he became Chairman at IBM in 1993.

Lifetime employment is no longer a guarantee. It has been replaced by the personal responsibility for lifetime employability. An employer is responsible

for creating access to new knowledge and skills, however to remain employable, the employee must take advantage of the learning opportunities.

(The World Is Flat, Friedman, T., pp. 366-367, 2006)

In a world of material abundance, design matters more than function. Even a toilet brush has to be pleasing to the eye. As we move from the Information Age to the Conceptual Age, Americans must develop their right-brain skills as physical work and left brain work is automated, digitized, or outsourced. If work can be done by a computer, it will be. If work can be outsourced to India at a cost savings it will be. What is left for Americans to do if we are to remain an economically competitive? According to Daniel Pink, author of The Whole New Mind, 2005, six high concept/high touch aptitudes must be learned. These right-brained attributes include:

Design
Story-Telling
Symphony

Empathy
Laughter
Meaning

Article Titles in BusinessWeek's Executive Life Retirement

Still Working and Loving It

How to Quit Without Quitting

Activism Isn't Just for Kids

MySpace for Baby Boomers (eons.com)

BusinessWeek, pp. 108-122, October 16, 2006

The Next Disruptors from Business 2.0

1. NetVibes
2. EESTOR
3. Coghead
4. NextMedium
5. Applied Location
6. Salesforce.com
7. BlueLithium
8. Clearwire
9. Zopa
10. Jajah
11. NanoLife Sciences

Business 2.0, pp. 80-96, October 2006

U.S. homework outsourced as 'e-tutoring' grows

POSTED: 1:46 p.m. EDT, September 28, 2006

BOSTON, Massachusetts (Reuters) -- Private tutors are a luxury many American families cannot afford, costing anywhere from \$25 to \$100 an hour. But California mother Denise Robison found one online for \$2.50 an hour -- in India.

Her 13-year-old daughter, Taylor, is one of 1,100 Americans enrolled in Bangalore-based TutorVista, which launched U.S. services last November with a staff of 150 "e-tutors," mostly in India, with a fee of \$100 a month for unlimited hours.

It comes at a difficult time for the U.S. education system: only two-thirds of teenagers graduate from high school, a proportion that slides to 50 percent for black Americans and Hispanics, according to government statistics.

China and India, meanwhile, are producing the world's largest number of science and engineering graduates -- at least five times as many as in the United States, where the number has fallen since the early 1980s.

CNN.com

Education with Student News

Copyright 2006 Reuters. All rights reserved. This material may not be published, broadcast, rewritten, or redistributed.

Source: <http://www.cnn.com/2006/EDUCATION/09/28/education.india.reut/index.html>