Teaching and Learning for 21st Century Skill

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There's a success story

세계 9번째 무역 1조달러 시대 개막

9th nation w/ US$1 trillion in export

There's a success story

韓 20-50 클럽 진입. 日-美 등 이미 세계 7번째

7th in GNP pc US$20,000 & 50M pop.
Cheonggyechun today…

Inspiration of Success

The same place back in the 50’s
Success Story: The “Miracle of Han River”

This change in just one generation.
It can be an agent of change!

Obama Praises Korean Education Again

U.S. President Barak Obama has lauded South Korea, again, to encourage Americans to do more on the educational front.

In a speech he delivered in Las Vegas on Friday, he said America cannot succeed in science if India and South Korea produces more scientists and engineers, according to Yonhap News Agency Saturday.

The U.S. therefore, should realize the grave nature of the situation, he warned, according to the report.

Since his inauguration, Obama often used the Korean education to mind the U.S. educational crisis. Obama cited Korea for Educational Excellence.

Residents, for example, he noted, doing longer school days and surviving in an era of keen competition.
The world map as we know it

The world map based on royalties income
Creativity

170 concepts!

Creativity

fluency
originality
divergent thinking
analytical mind
open-minded
slack
imagery
inclusivity
synthetic mind
flexibility
self-directed
risk-taking
professionalism
inclusivity
dedication
confidence
risk-taking
resiliency
perseverance
cooperation
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Internal motiva
Creativity

ability to accommodate & assimilate new thoughts

ability to communicate & empathize
no creative talents

ICT in service of shoving in more & faster
**Smart learning media**

**Before**

- Passive
- Unidirectional
- Info transfer and reception
- Teaching centered

**Now**

- Active
- Interactive
- Integrative & contextualized
- Learning centered
While we fell in love with the hardware (technology) aspect of learning

CBT
IBT
TEL
ICT

Like Tom Cruise in Minority Report

We have neglected the software aspect of learning

Oh, God. He says only one word...“next, next”
Creativity
Cognitive domain

Basic knowledge
Positive mindset
Fuzzy thinking

Creativity
Affective domain

Basic knowledge
Positive mindset
Fuzzy thinking

Cognitive domain

Basic knowledge
Positive mindset
Fuzzy thinking

Affective domain

Creative

Technology

Liberal Arts
Cognitive domain

- fear of failure
- blind trust the answer

IQ

Creative

EQ

Social Emotional Learning

Affective domain

- basic knowledge
- positive mindset
- fuzzy thinking
- adventure
- emotion
The heart has its own complex nervous system – the Heart Brain.

It sends far more information to the brain than the brain sends to heart.

It affects especially in four areas: memory, creativity, emotion and decision making.
Transplant a heart and a part of its memory also gets transplanted!

It affects especially in four areas: memory, emotion, creativity and decision making.
We need to focus on both aspects of e-learning:

- electronics
- hardware
- technology
- empowerment

- emotion
- software
- psyche
- experience

ACCESSIBILITY & CONNECTIVITY

to information & knowledge

between teachers & students
then, we need to design…

not just academic curriculum
but learning experience, too.

excitement
awareness
pleasure
interest
dreams
emotion

content
methods
procedure
process
material
facility

e-learning:
electronics
hardware
technology
empowerment
emotion
software
psyche
experience