Forum Ministériel Africain sur

l'Intégration des TIC dans l'Education et la Formation

African Ministerial Forum on

ICT integration in Education and Training

Smart media in education: Is it a blessing or a curse?

Peck Cho

Distinguished Professor, Dongguk University KOREA peckcho@mtu.edu

Korea today...



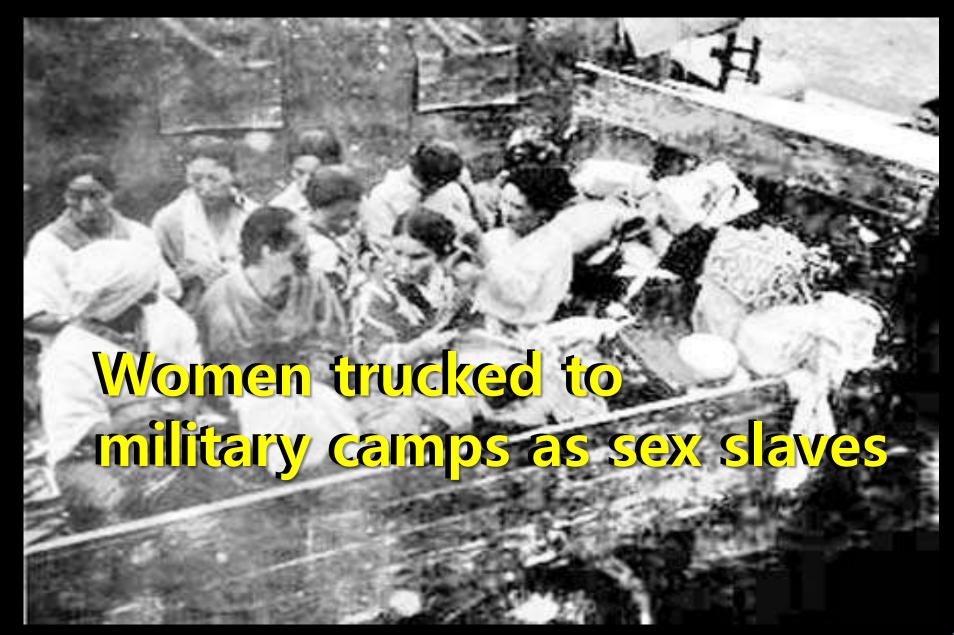
The same place back in the 50's



1940's During Japanese Occupation



1940's During Japanese Occupation

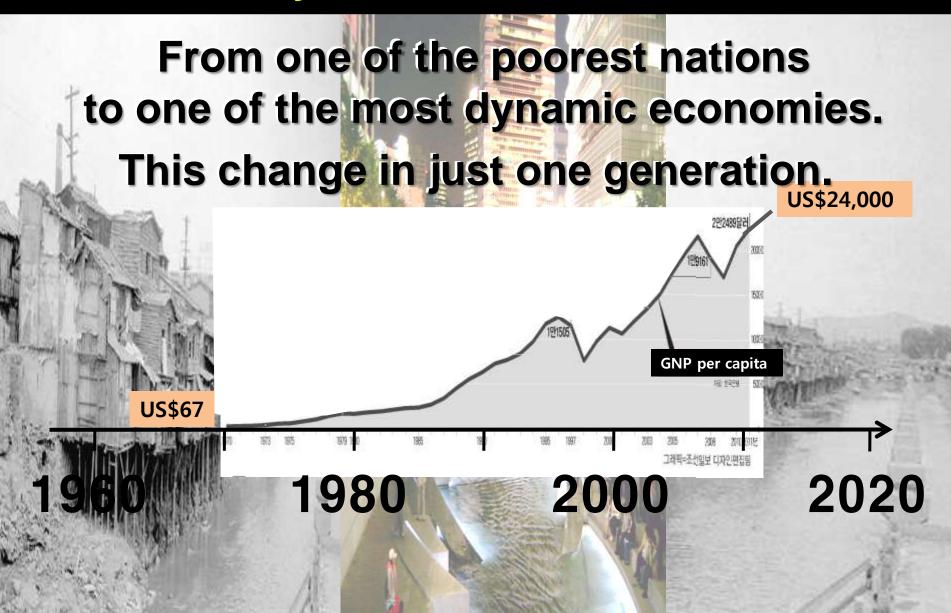


1940's During Japanese Occupation



1950's During the Korean War











By land size (km2)

118,484 100 Malawi (45,747)117,600 101 Eritrea (45,400)112,622 102 Benin (43,484)112,492 103 Honduras (43,433)111.369 104 Elberia (43,000)110,879 105 Bulgaria (42,811)109,884 106 E Cuba (42,426)108,889 107 Guatemala (42,042)103,000 108 He Iceland (40,000)100,210 109 South Korea (38,690)93,028 110 Hungary (35,918)92,090 111 Portugal (35,560)89,342 112 Jordan (34,495)

By population

19	Democratic Republic of the Congo	67,514,000
20	Thailand	65,926,261
21	France ^[9]	65,834,000
22	United Kingdom	63,705,000
23	Italy	59,859,996
24	★ Burma	53,259,000
25	🔀 South Africa	52,981,991
26	South Korea	50,219,669
27	Colombia Colombia	47,365,000
28	Spain Spain	46,704,314
29	Ukraine Ukraine	45,455,065
30	Z Tanzania	44,928,923
31	Kenya	44,354,000

NATIONAL CONSENSUS on the importance of education

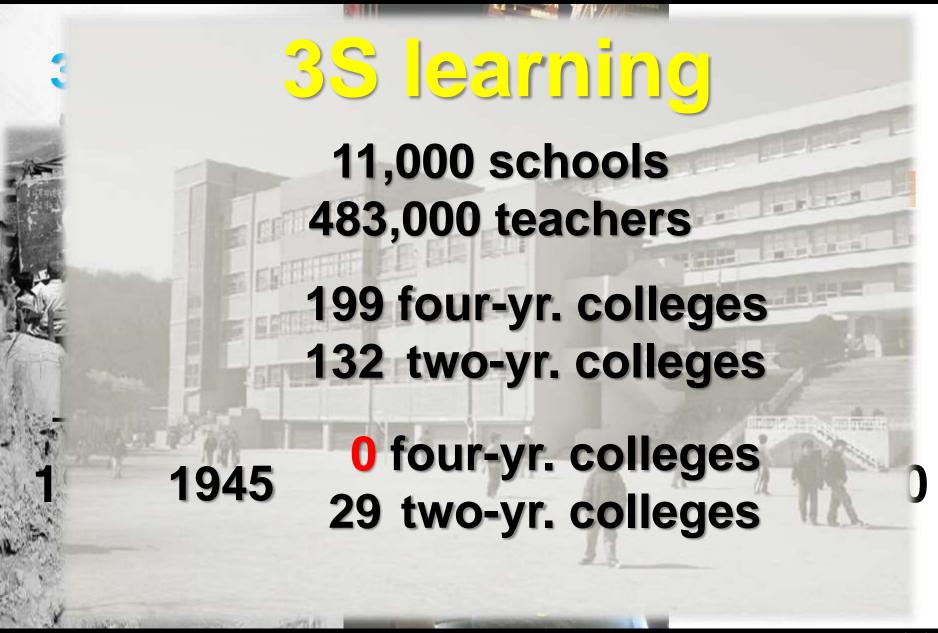
PARENTAL WILLINGNESS to invest in the future of children

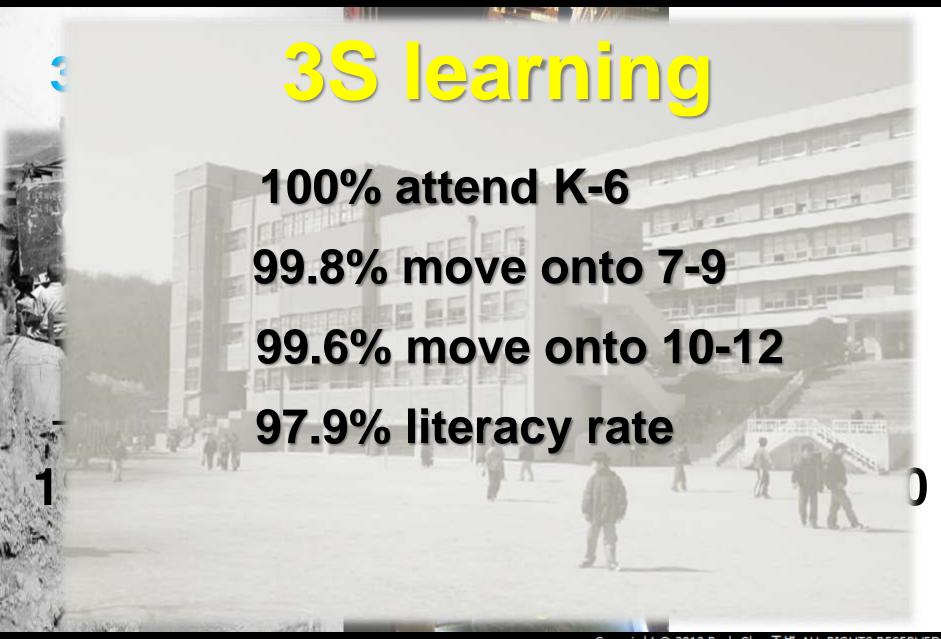


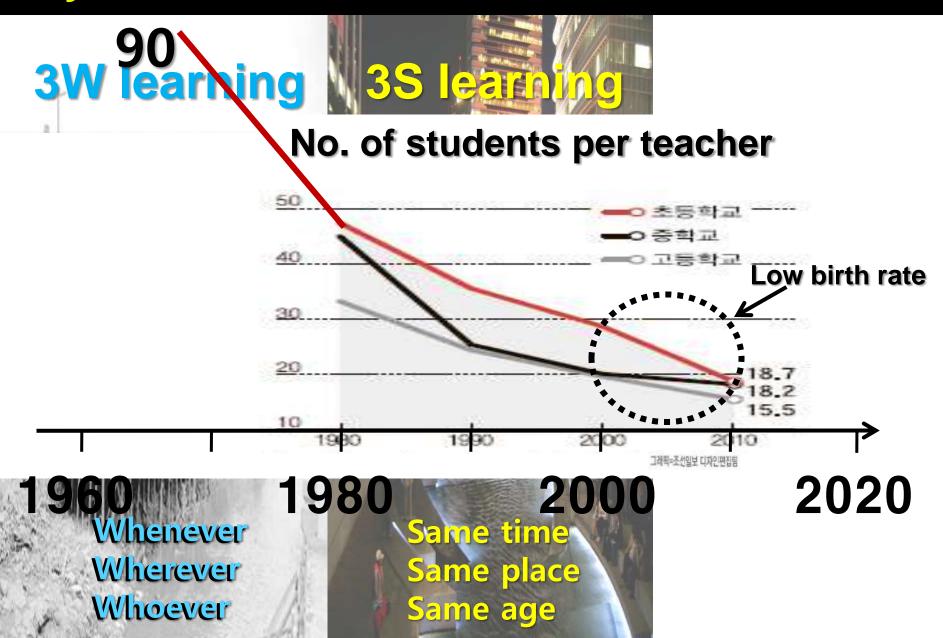












3W learning

3S learning

2013 PISA result:

(Program for Int'l Student Assessment)

Korea is the best among 34 OECD nations in Math, Science and Reading

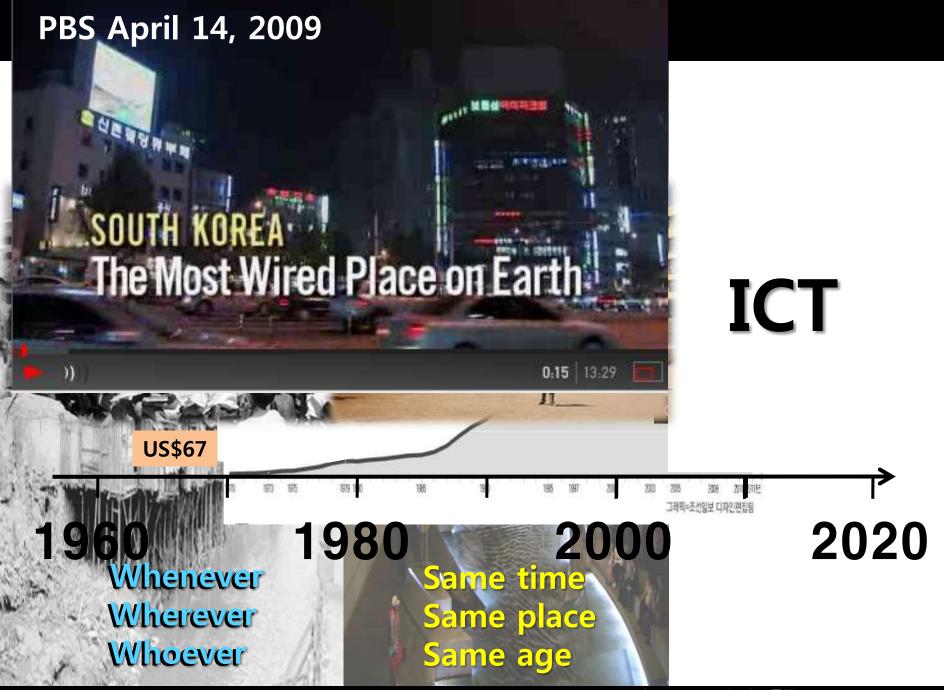
1960 Whenever Wherever Whoever

1980 2000 Same time

Same time Same place Same age

MATH Rank

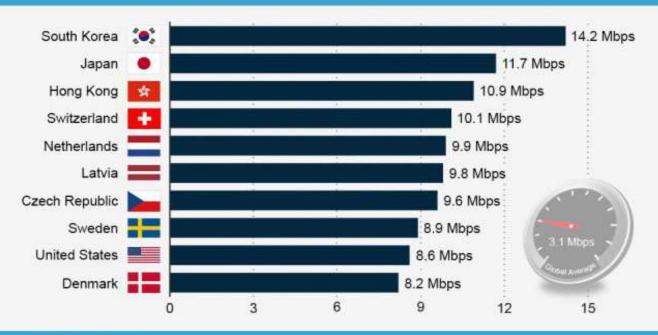
- 1. Korea ←
- 2. Japan
- 3. Switzerland
- 4. Estonia
- 5. Finland
- 6. Canada
- 7. Poland
- 8. Belgium
- 9. Germany
- 10. Austria
- 11. Australia
- 12.Ireland
- 13. Slovenia
- 14. Denmark
- 15. New Zealand
- 16.Czech Republic
- 17.France
- 18. United Kingdom
- 19.Iceland
- 20.Luxemboura





South Korea and Japan Top Internet Speed Ranking

Average measured internet connection speed in Q1 2013



ICT



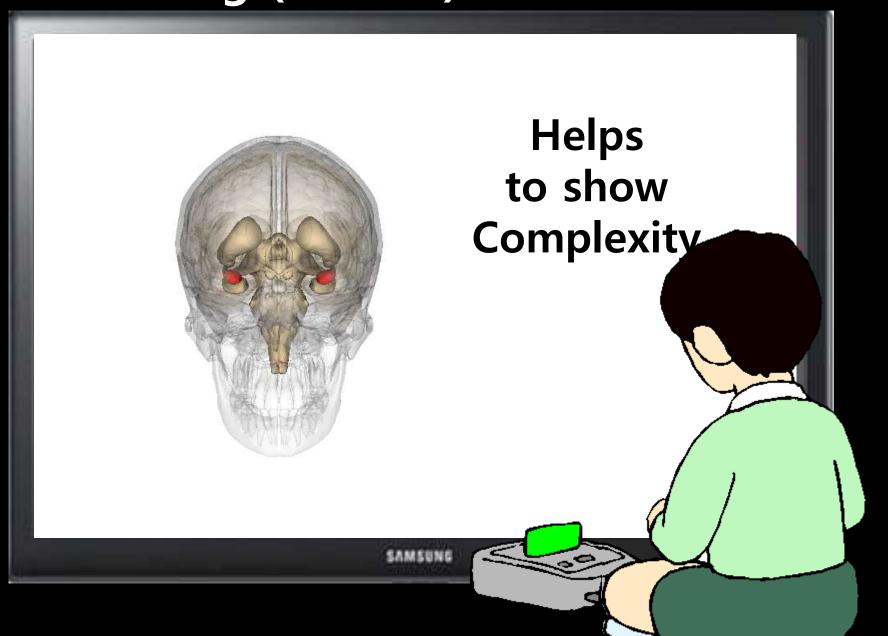
2020

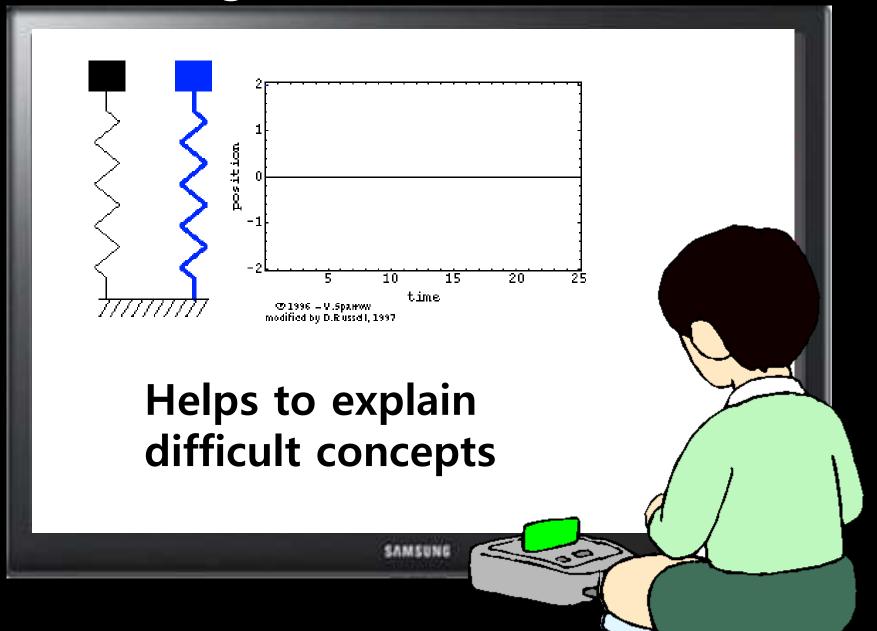
statista 🗷

Mashable

Source: Akamai









It's mobile and ubiquitous.





smart media (ICT 2.0) is a great enabler!



Accessibility Social impact

20 yrs in class 2 wk online 1 yr online

4,000 students

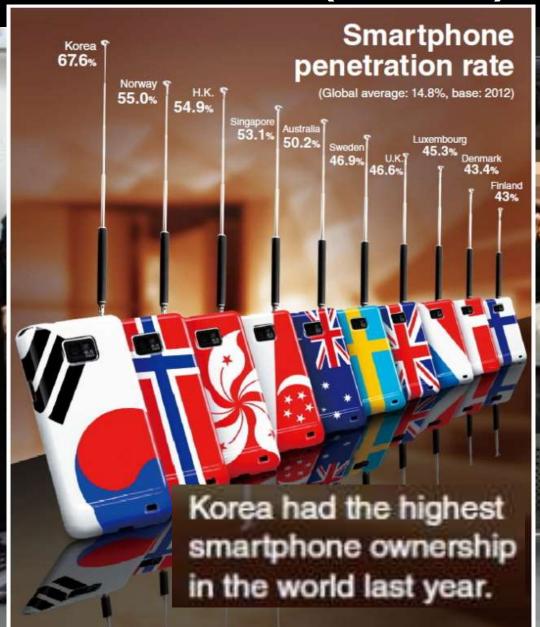
4,000

40,000















Percent of South Korean Students Owning Smartphones

Source: Ministry of Education Survey released July 29, 2013

Regional category	Elementary	Middle School	High School	Total
City	49.2	85.4	83.7	69.6
Rural (farming/fishing villages)	46.6	83.1	83.7	66.5



Korea had the highest smartphone ownership in the world last year.





5 TV channels dedicated to learning

General audience

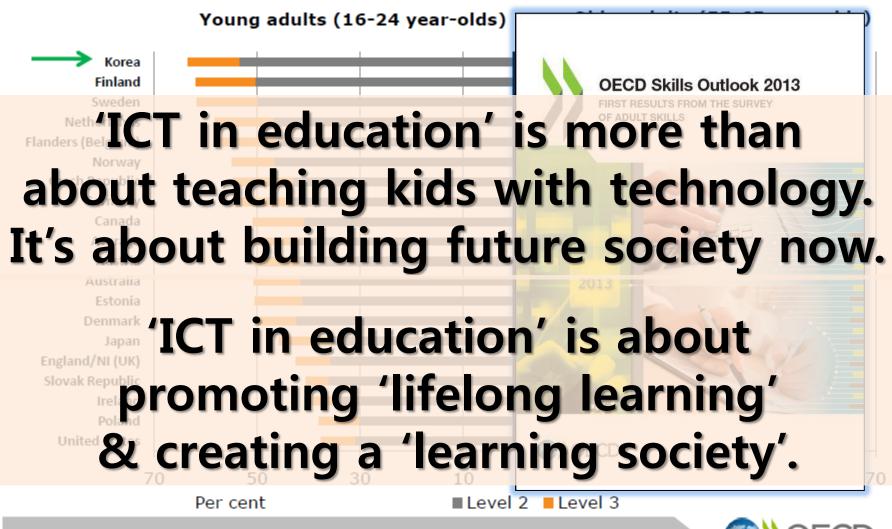
Elementary school children

Middle school students

College preparatory English Education



Proficiency in problem solving in technology-rich environments



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

Obama Cites Korea for Educational Excellence

U.S. President Barack Obama on Tuesday cited Korea as an example when he called for reform of public education. "The challenges of a new century demand more time in the classroom. If they can do that in South Korea, we can do it right here in the United States of America," he said in a speech at the Hispanic Chamber

of Commerce in Washington, D.C.

make more efforts.

In March last year, only one month into his assuming president, for example, he called for the United States to look to South Korea in adopting longer school days and after-school programs for American children to help them survive in an era of keen global competition.

Key to success is: Education



Key to success is: Leapfrogging





Same time Same place Same age

3A learning

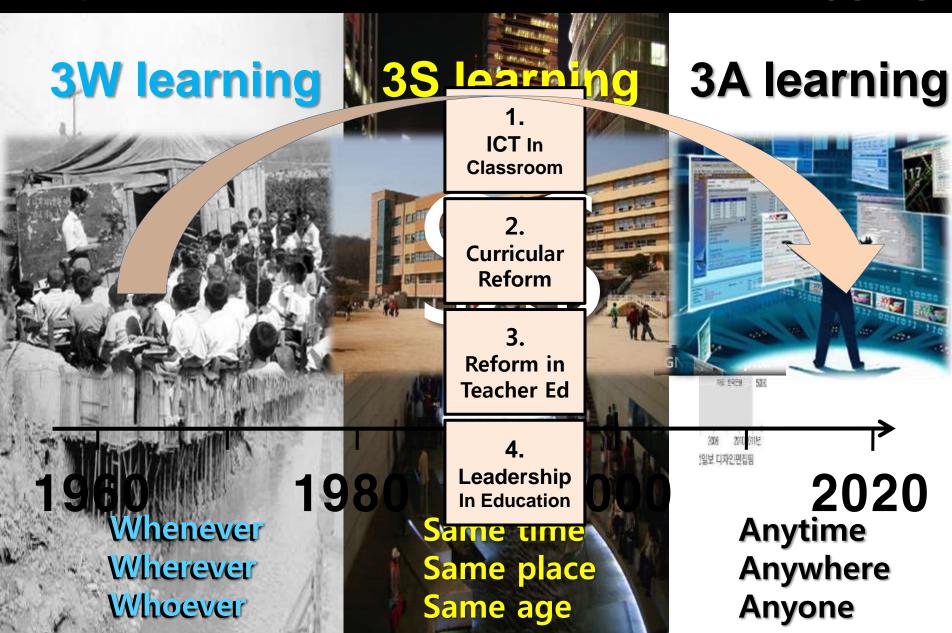


2020 Anytime Anywhere Anyone

Key to success is: Leapfrogging



Key to success is: Educational Leapfrogging



Key to success is: Leapfrogging

1.
ICT in
Classroom

2.

3.

4

We must embrace technology and integrate it into our education

We no longer need to invest heavily in building "traditional schools." Instead, invest in ICT.

Technology is expensive, but cheaper than building schools.





The teacher teaches!

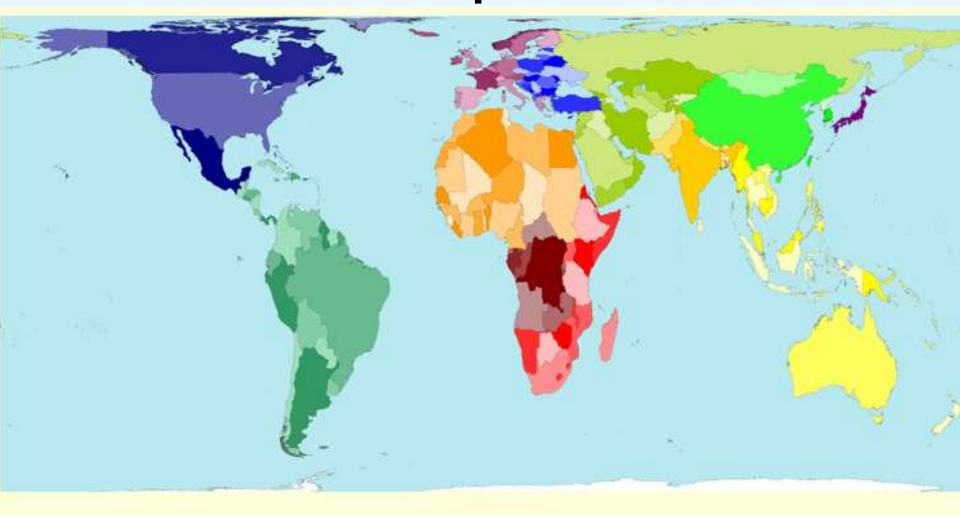


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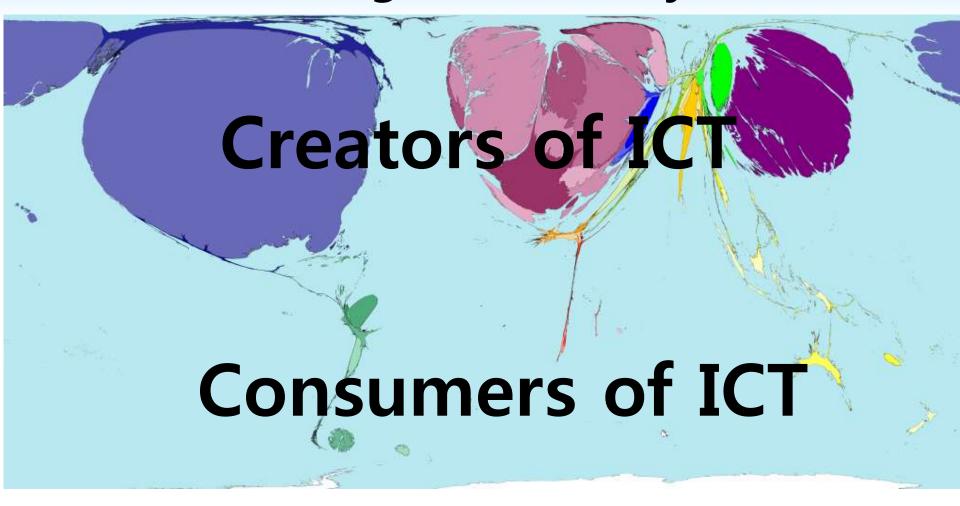
The dumbest use of smart media



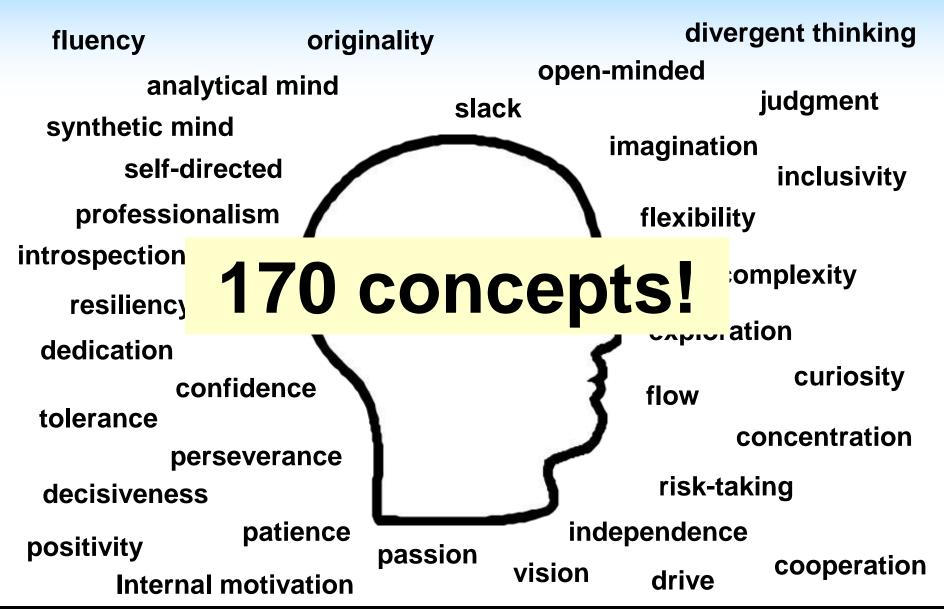
The world map as we know



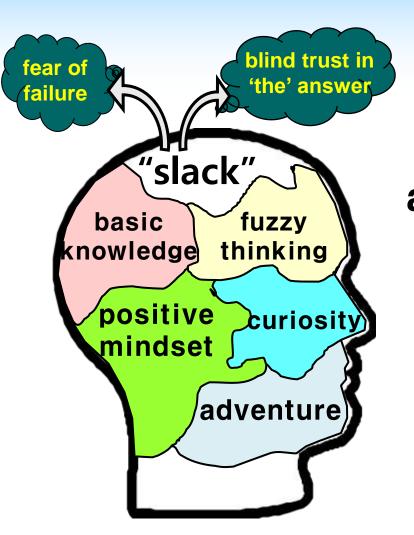
World according to creativity (IP)



Creativity



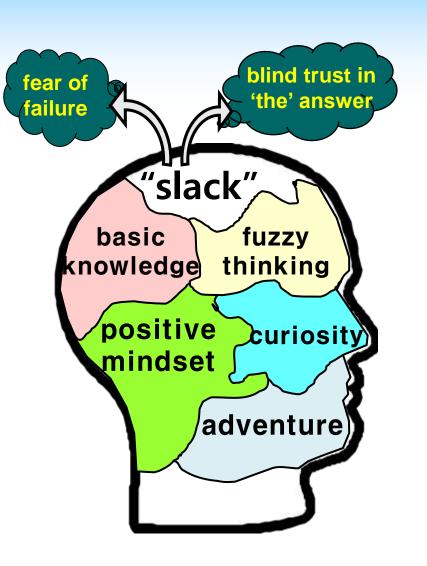
Creativity

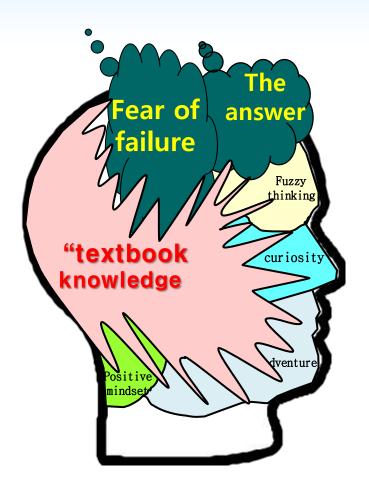


ability to accommodate & assimilate new thoughts

Information Age

Pre-information Age





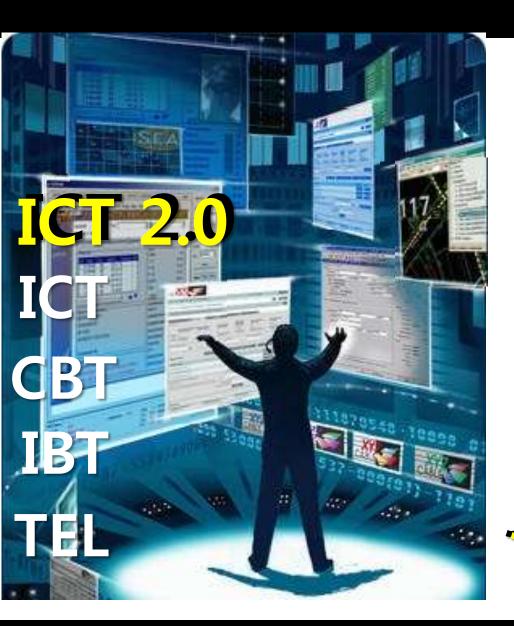
Information transfer!

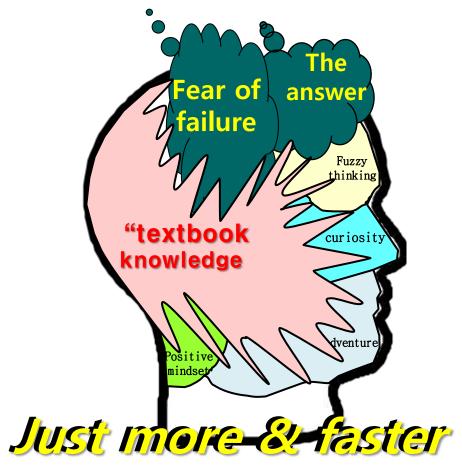


All it does is do the same more & faster!



All it does is do the same more & faster!





All it does is do the same more & faster!



Blessing

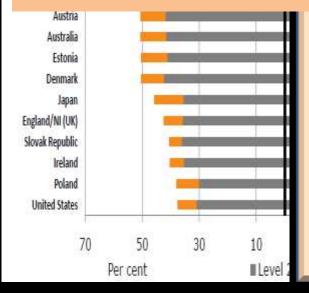
Proficiency in problem solving technology-rich environments Voung adults (16-24 year-olds) Korea Finland Sweden

Netherlands

PISA Ram

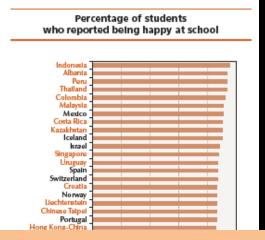
- L. Korea
- 2. Janar
- 3. Switzerland
- 4. Estonia
- 5. Finland
- 6. Canada
- 7 Daland

World TOP in technological proficiency & academic achievements

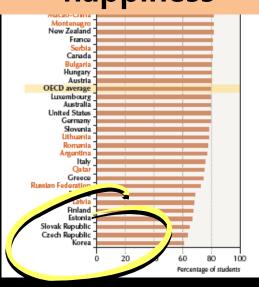


- 12.Ireland
- 13. Slovenia
- 14. Denmark
- 15. New Zealand
- 16.Czech Republic
- 17.France
- 18. United Kingdom
- 19.Iceland
- 20.Luxembourg

Curse?



Dead LAST in student happiness

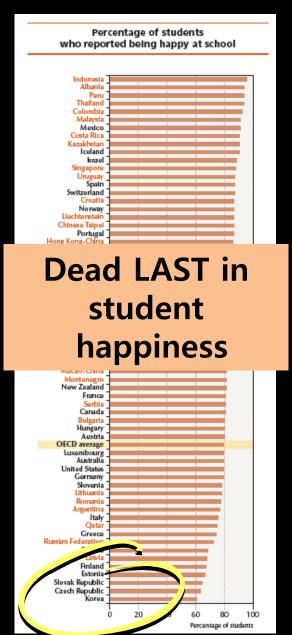


School dropout

Cyber bulling

Game addiction

Curse?



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The most advanced form of smart media reinforcing the worst form of teaching.

1. ICT In Classroom

2. Curricular Reform

3. Reform in Teacher Ed

4.

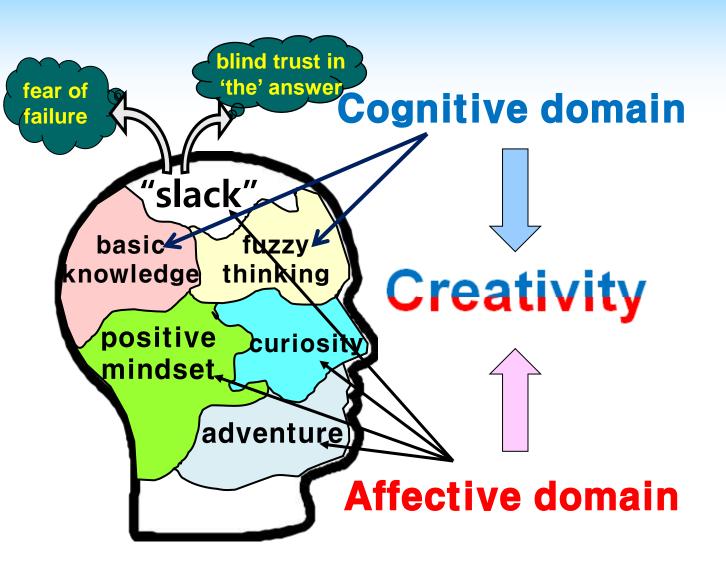
What good is smart media if... all it does is do the bad education more and faster?

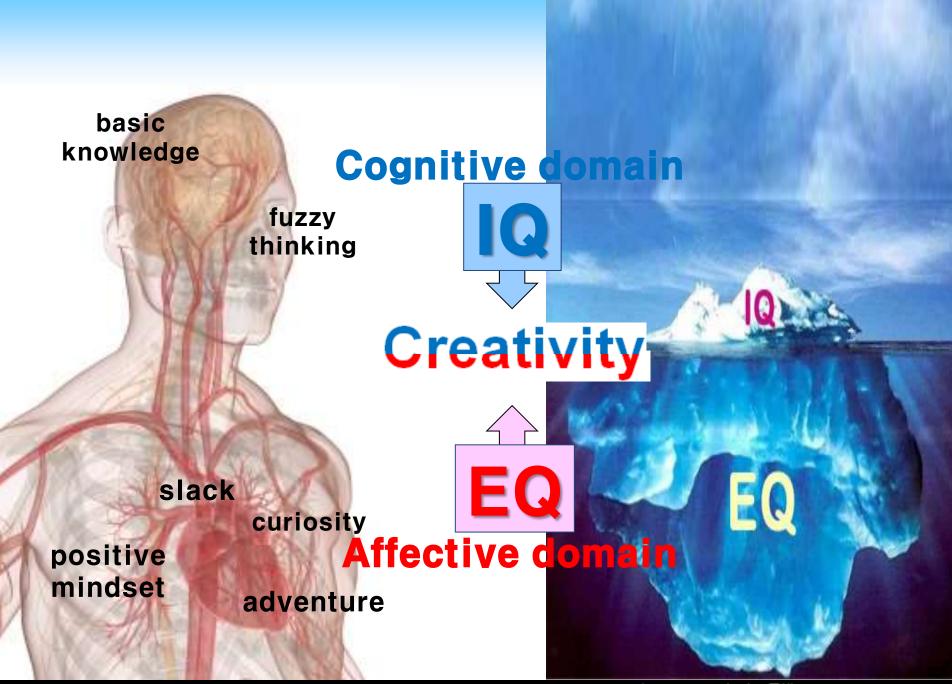
'ICT in classroom' must be accompanied by 'Curricular Reform' & 'Reform in Teacher Ed'

(Emphasis on the hardware aspect of ICT is not good enough.)









We need to focus on both aspects of e-learning:

electronics
hardware
technology
empowerment

emotion software heart experience

e-learning:

electronics hardware technology

empowerment

to information

&

knowledge

emotion

software

heart

experience

ACCESSIBILITY & CONNECTIVITY

between teachers

&

students

For teachers to become enablers, they need to learn to design...

> not just academic curriculum but learning experience, too.

> > content methods procedure process material

COGNITIVE DOMAIN

doing creating changing cooperating dreaming

AFFECTIVE DOMAIN

more & faster better & smarter

Smart media (ICT) in education: Is it a blessing or a curse?

1.
ICT In
Classroom

2. Reform in Teacher Ed

3. Curricular Reform

4. Leadership In Education It depends on whether we have 'LEADERSHIP' in education

PRIORITY (Values, Political will)





Decision was made by leaders 50 years ago...

Build national consensus
Education as dream-making
Success through technology
Teachers are Nation Builders

Whether to make the change or not



In memory of a great teacher...

It always seems impossible until it's done.

