

After the Celtic Tiger: Preparing the Gifted & Talented for the Smart Economy

Dr. Theo Lynn and Dr. Sam DiGangi



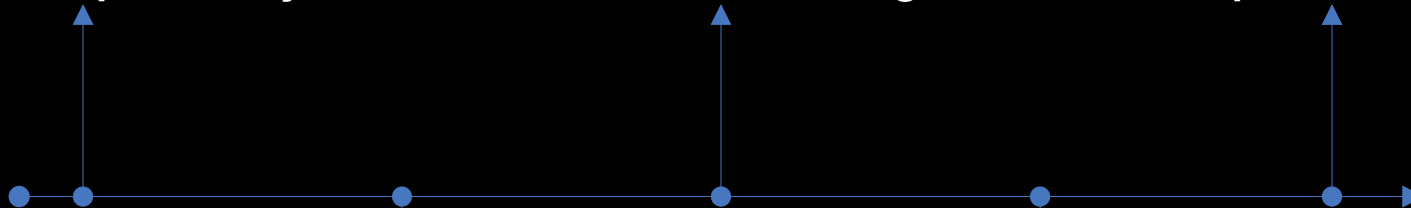
shifthappens

shift happens – the story so far...

Karl Fish
Arraphoe High School
Staff Development Day

Jeff Brenman
Apollo Ideas
Added Creative Design

Theo Lynn & Sam DiGangi
DCU LInK and ASU alt^I
Updated data



Scott MacLeod
Modified for Relevance

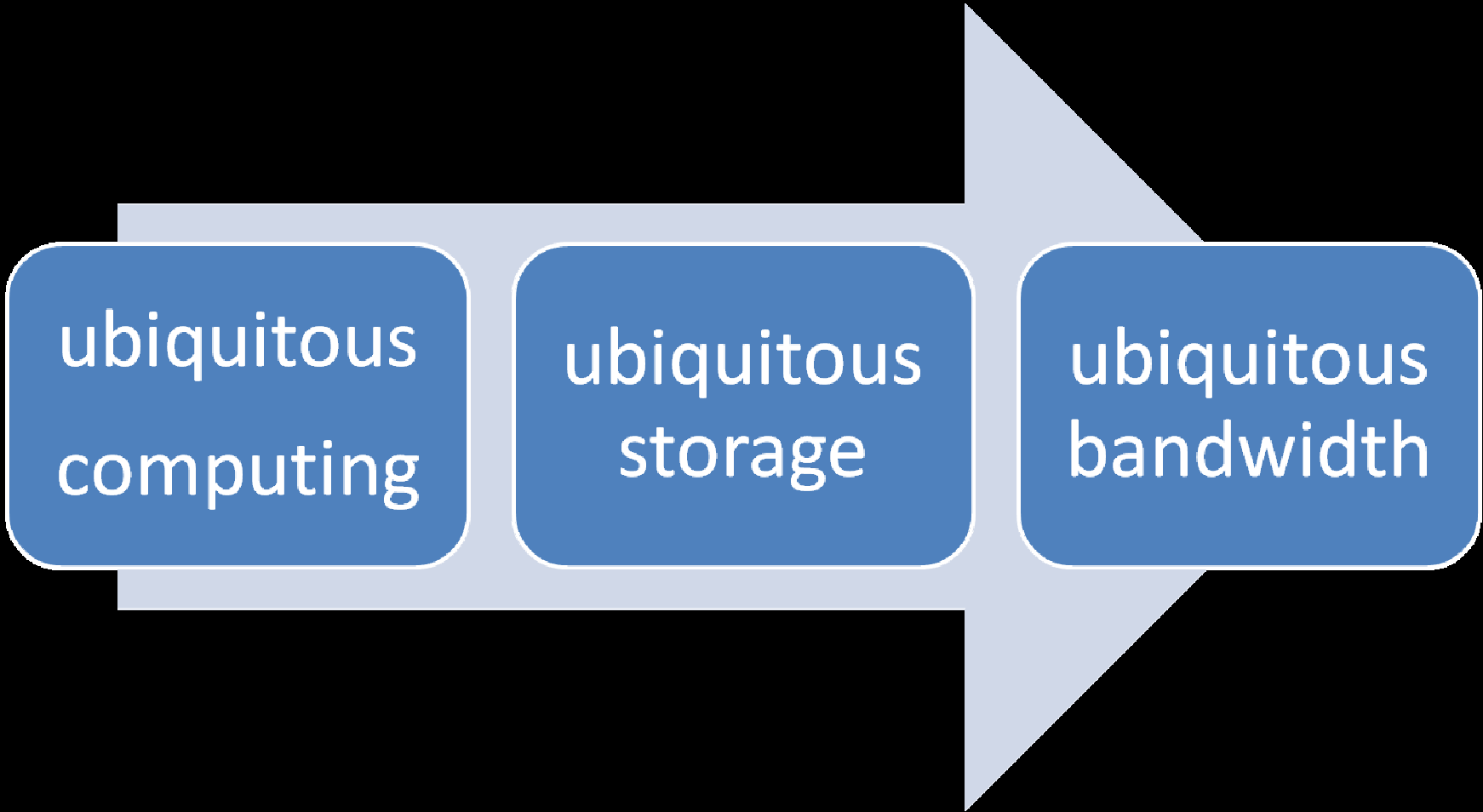
Ray Fleming
Microsoft
Modified for UK Context

global competition

If you took every single job in the US today and shipped it to China China would still have a labour surplus



technology - where is the puck going?

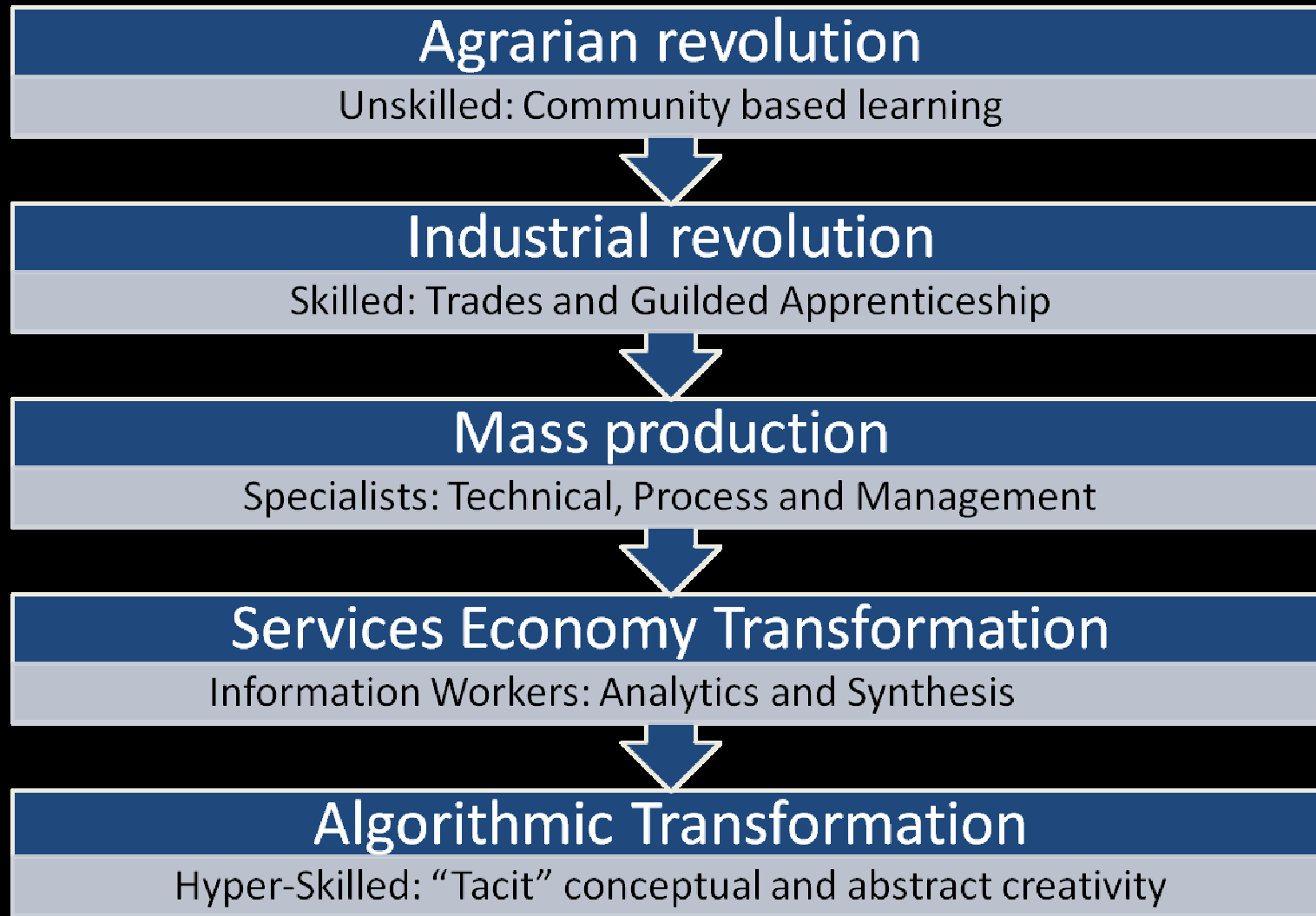


ubiquitous
computing

ubiquitous
storage

ubiquitous
bandwidth

skills – where is the puck going?



a vision of students today



how do you tell the time?

58% of teens surveyed never wear a watch

13% wear a watch once a month



Piper Jaffray (2006)

US student technology use and practice

- 93% of 12-17 yr old teens use the Internet
- 64% of online teens are generating new media content
- 39% of online teens share online their own artistic creations, photos, stories, or videos
- 28% have created their own online journal or blog (35% girls; 20% boys)
- 27% maintain their personal webpage
- 33% create or work on webpages or blogs for others
- 26% remix content they find online into their own creations



Irish student technology use and practice

- Survey of 500 freshman Irish business students (85% response rate)
- 60% have not taken a desktop ICT course
- Laptops, PCs, mobile phones and free wireless access are essential to a successful college experience
- Google is by far their most important online product or service
- 73% own a laptop; 91% an MP3 player and 99.5% a mobile phone
- 80.4% have a social networking site
- The majority would like podcasts of lectures

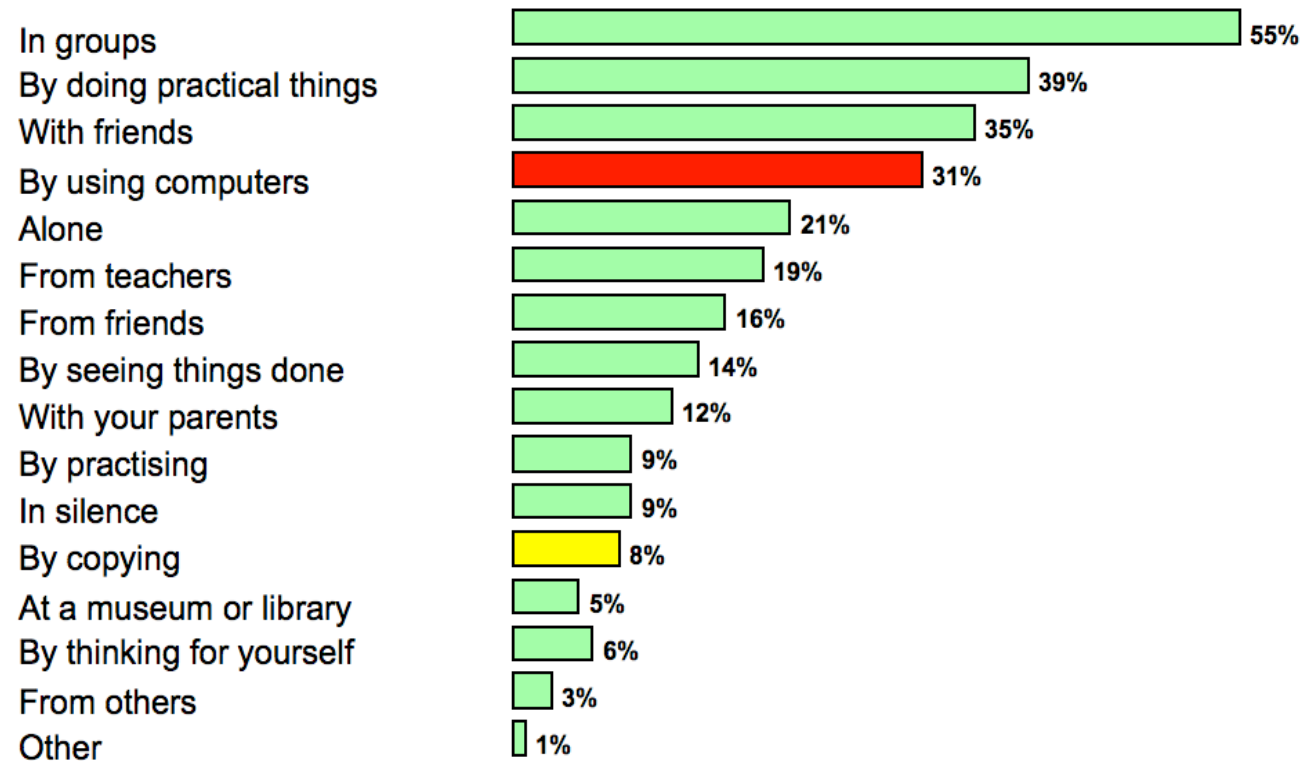
the reality

- Most colleges do not plan for 1:1 computing
- Many have policies that prohibit or deter laptop use in the classroom
- Most colleges are not equipped to support campus-wide use of technology
- Most colleges do not require a minimum level of ICT skills
- Few faculty members are willing to record their lectures
- Plagiarism is a real and increasing problem and liability
- There is a digital divide between students and the faculty that teach them

How prepared are traditional institutions to serve the new generation of students?

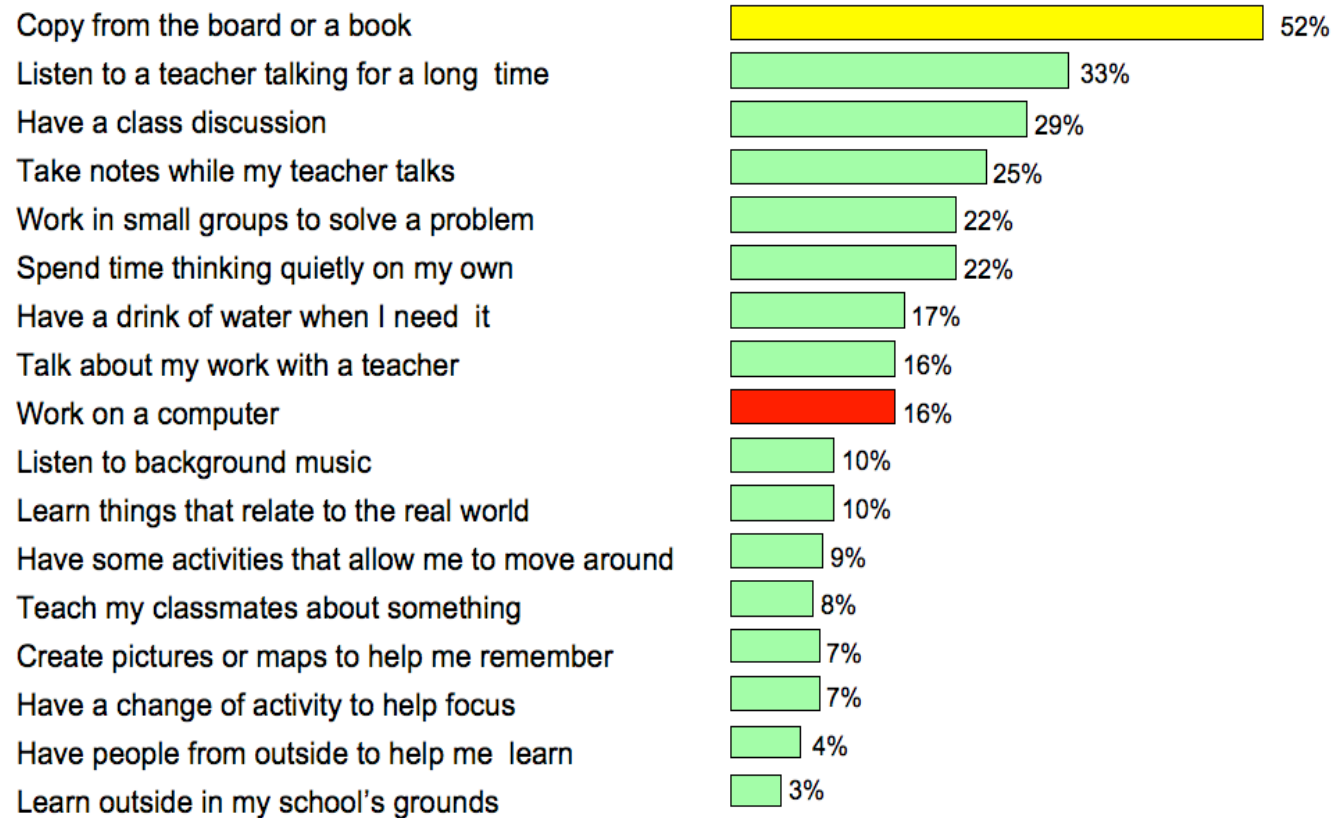


which three of the following ways do you prefer to learn?



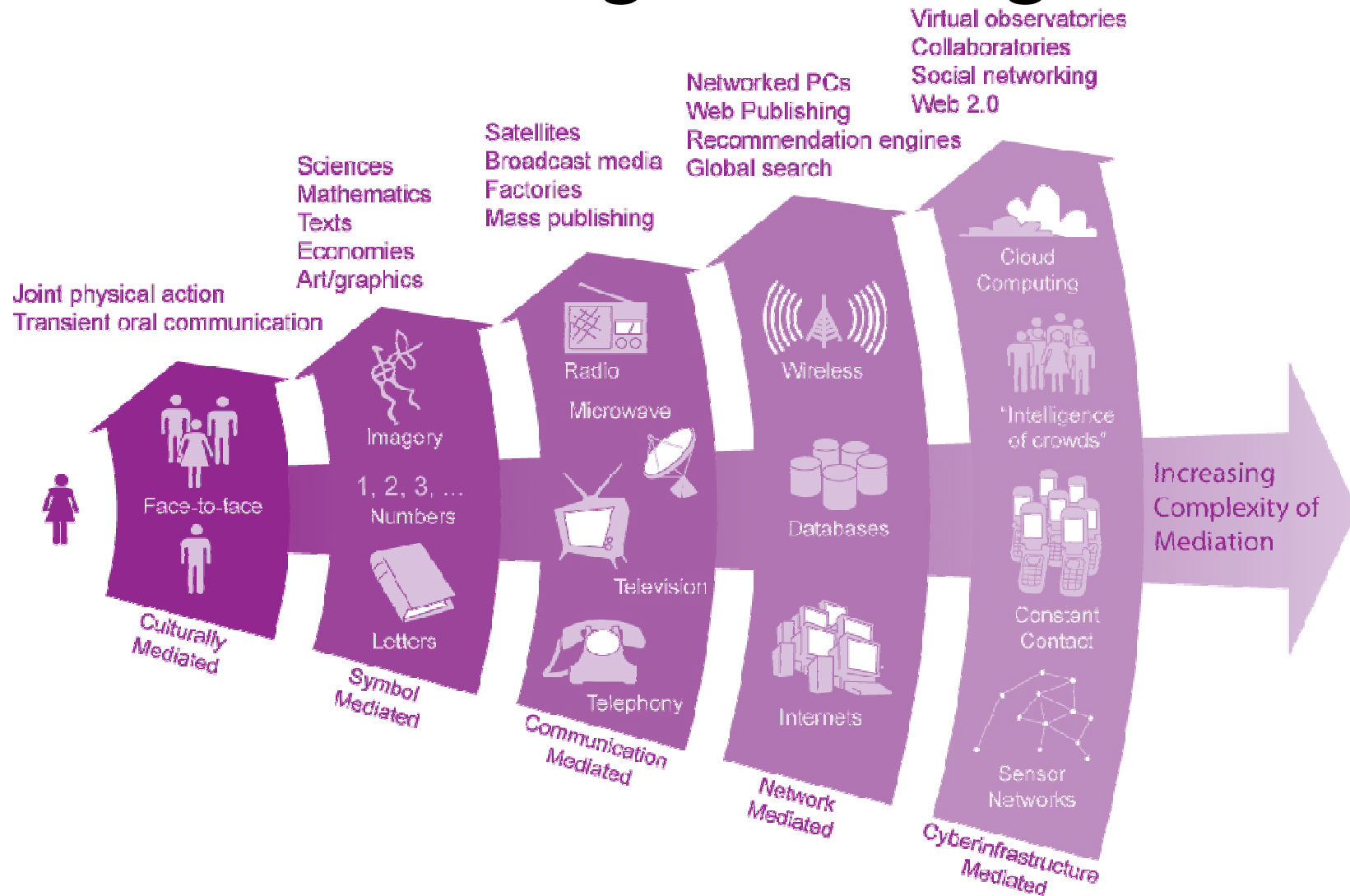
Source IPSOS Mori Base: All pupils (2,417)

which three of the following do you do most often in class?



Source IPSOS Mori Base: All pupils (2,417)

A Brief History of Technological Advances Making e-Learning Possible



apple classroom of the future

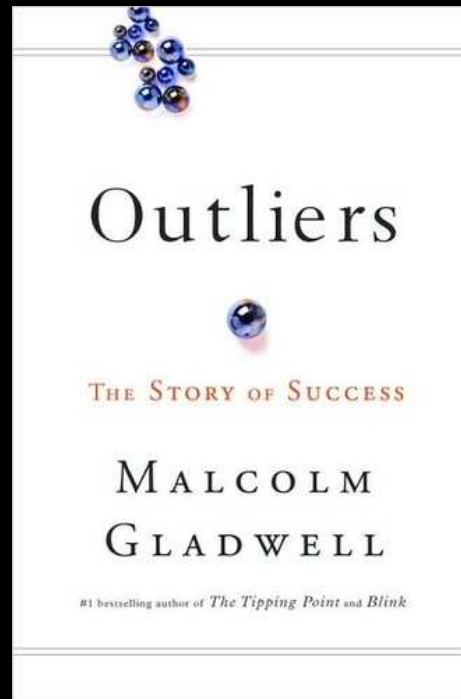
it could take between 2.5 and 7 years for a teacher to reach the same standard as the pupils they teach



towards 21st century skills



why do some people achieve so much
more than others?



opportunity and legacy



aoife (3 years) and jamie (2 years)

517 DAYS

882 DAYS

"As we look ahead into the next century,
leaders will be those who empower
others."

Bill Gates



THANK YOU
theo.lynn@dcu.ie
sam@asu.edu

useful links from this slide

- Pew Internet and American Life Project - <http://www.pewinternet.org/>
- Partnership for 21st Century Skills - <http://www.21stcenturyskills.org/>
- Harnessing Technology: Next Generation Learning - publications.becta.org.uk/download.cfm?resID=37348
- Shift happens (NOTE: not TL/SDG version) - http://www.teachertube.com/view_video.php?viewkey=bbf824c98a1278ffadc2
- Malcolm Gladwell Outliers Interview - <http://www.youtube.com/watch?v=Hz4hPbHIZ6Y>
- Kaplan University TV Commercial – <http://www.youtube.com/watch?v=e50YBu14j3U>
- A vision of students today - <http://www.youtube.com/watch?v=dGCJ46vyR9o>