



What is the Education for?



- War & social changes were disrupting everyday life
- These philosophies helped guide people to a better life

"Learn to Live Together"

Learn to Do (for job)
Learn to Be (in society)
(เป็นผู้ได้รับการฝึกฝน)























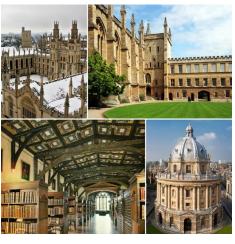




Education for the Advancement

Beginning of the University



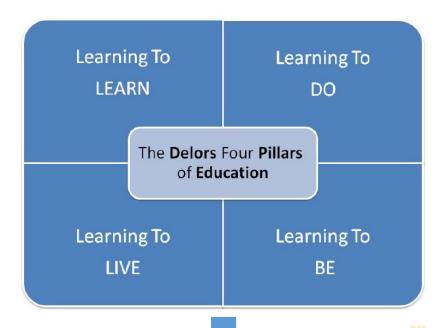


Univ. of Bologna (1088)

Univ. of Oxford (1096)

Learn to Learn
(To Explore & Discover)

(เป็นผู้ไฝ่รู้และมีวิจารณญาน)





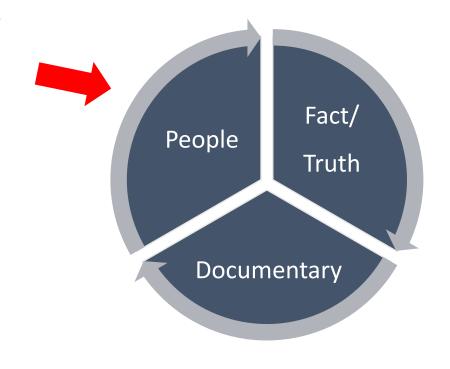
(Oneself & Society)..UNESCO



Knowledge Acquisition & Transfer

"Where is the knowledge? From 3 main sources"





Teaching-Learning process are physically connect by face-to-face





Knowledge Sharing in Ancient World: Physical Connectivity









Enhance Connectivity: Wheel & Compass

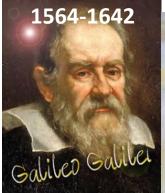








New Knowledge: New Fact + Sharing Kn

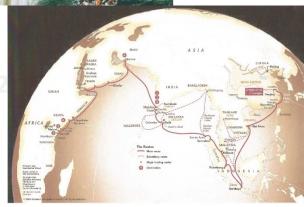




New World & New Knowledge





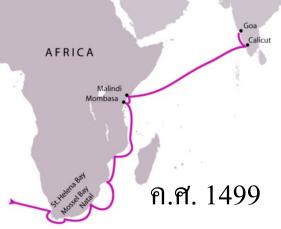






Christopher Columbus 1492









Documentary: Knowledge Sharing







10 Important Inventions

The wheel



The compass



The printing press



The telephone

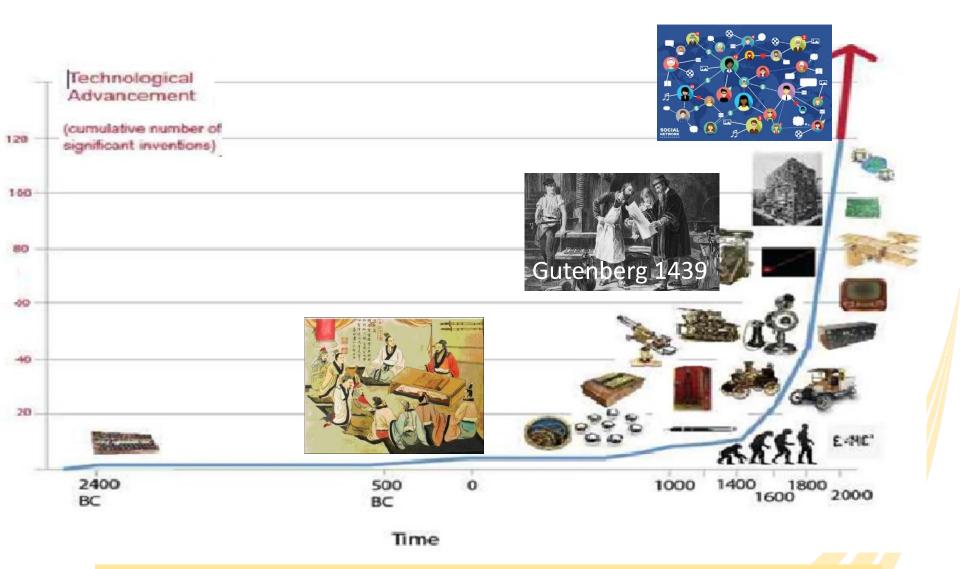


The Internet





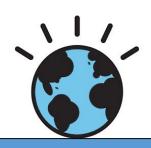
งมหาวิทยาลัยมหิดล Technology Advancement & Innovations



Expansion of Knowledge is related to Connectivity

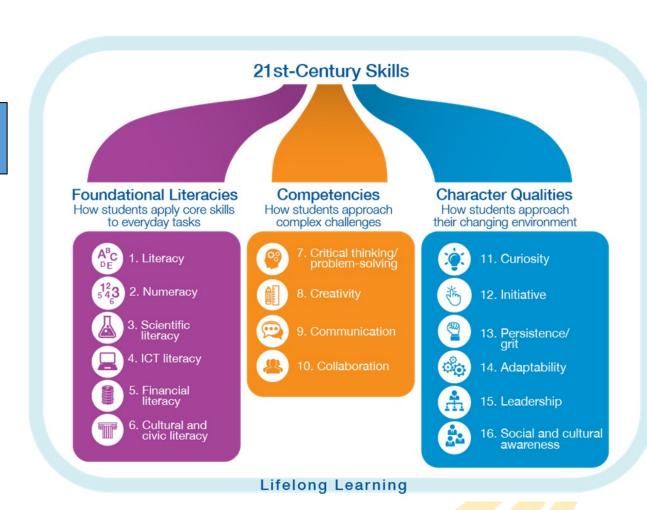


Education: Human Capital



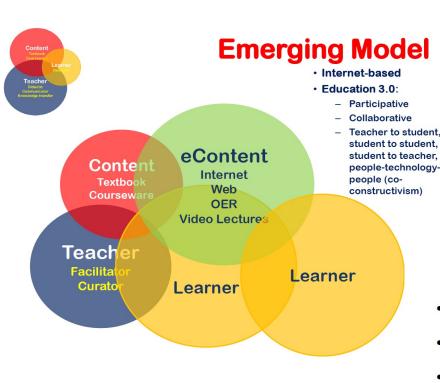
21st Century Skills

Professional Education
Deep in one discipline





Teaching Mode



Digital Technology:

Infrastructure

Platform & Team

Advance of IT Generation Pedagogy

Virtual & Physical Time Dependent & Independent

Blended

Hybrid

local

MOOC

Flipped

Formal

Informal

remote

Social

Virtual

asynchronous synchronous

face-to-face meeting places site specific signage exhibitions installations white board

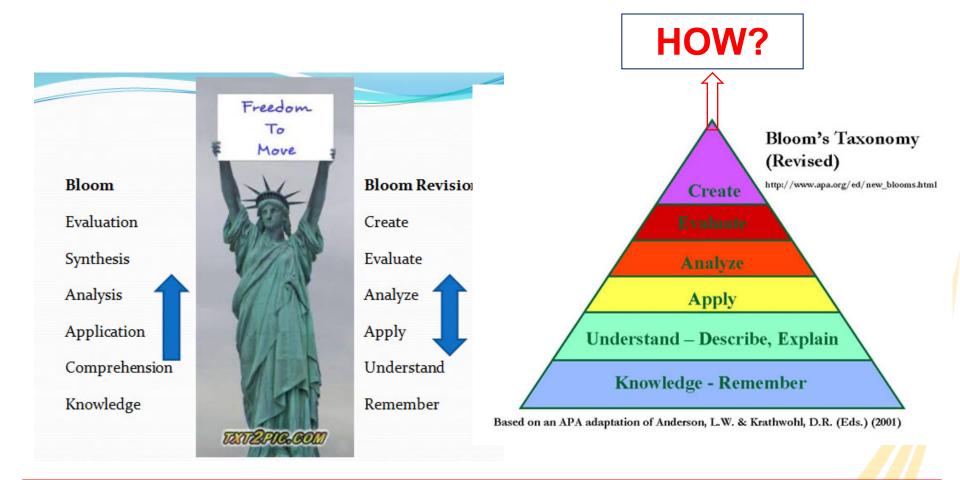
telephone video conference text messages shared cyber links

internet web virtual studio 'google it'

Lifestyle



High Achievement (Bloom's taxonomy)



"Do we teach our students to just understand or...
...to be creative in this highly competitive world!!"

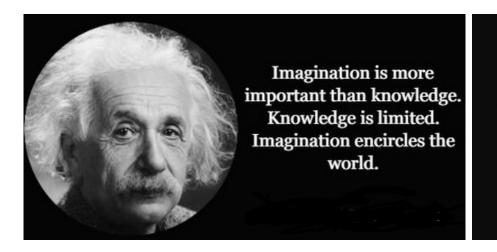


Knowledge & Creativity

People: (AEIOU)

- Alert (to new idea)
- Exposure
- Imagination
- Observation
- Unhappiness(Discontent)



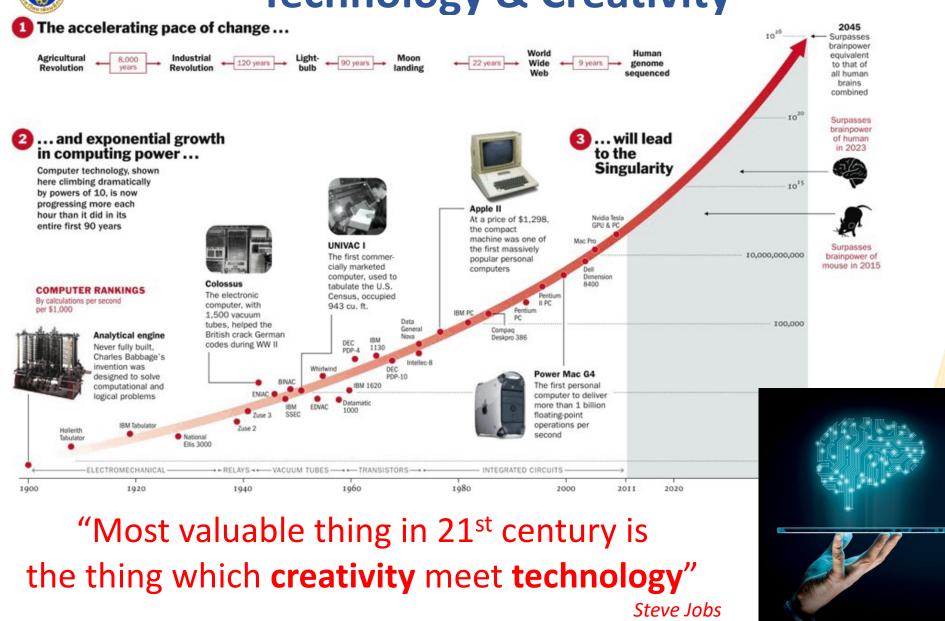


If necessity is the mother of invention, discontent is the father of progress.

— David Rockefeller —

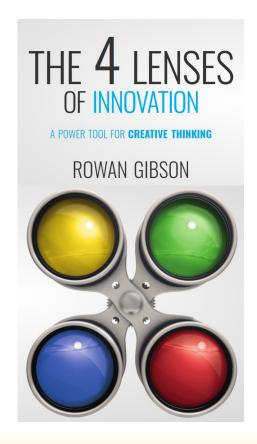


Technology & Creativity





Creativity to Innovation



4 Possible Views:

- Harnessing Trend
- Understand Needs
- Leverage Resources
- Challenge Orthodoxies

Acquire Kn: Demand Pull + Technology Push(old/new)

Develop Skill: Critical Thinking & Problem Solving



Creativity & Entrepreneurial



"Not only teaching how to fish but to be able to see the opportunity to create the value/business of fishing process"





Knowing how to fish isn't enough



Fishing Sticks













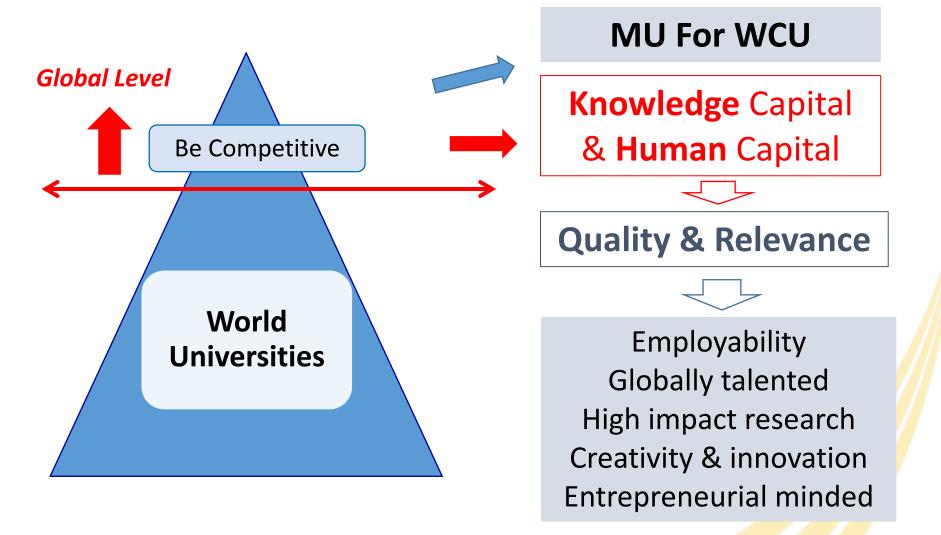
Fishing Pools & Tourism



Beyond University



MU University & Responsibility



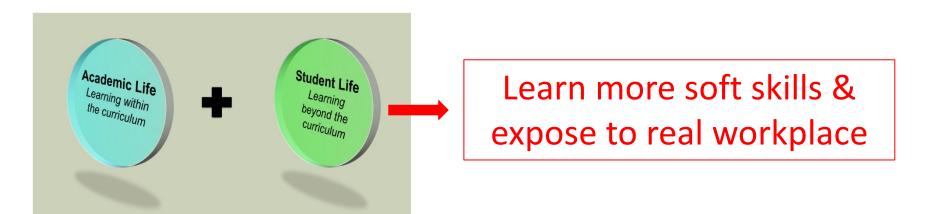


MU University & Responsibility

20 th Century	21st Century
Lecture	Facilitation
Students listen in class; perform exercises at home.	Students listen at home; perform exercises in class.
Rows of desks	Clusters of desks
Independent performance	Group performance
Teacher engages student in learning	Technology engages student in learning
Content	Content + Skills + Themes
Textbook driven	Research driven
Classroom learning	Online learning
Textbook publisher	Corporations providing materials



MU University & Responsibility



5-C

COMMUNICATION

- Leadership
- Teamwork
- Mutual Respect
- Communication Skills

CHARACTER

- · Ethical Reasoning
- Integrity
- Moral Character

CREATIVITY

- Entrepreneurship
- Innovation
- Interdisciplinary Synthesis

COMPETENCE

- · Self Discipline
- · Disciplinary Depth
- Lifelong Learning
- · Professional competencies

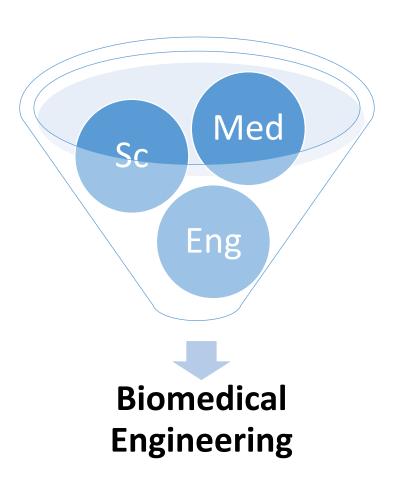
CIVIC-MINDEDNESS

- Professionalism
- Public Service
- Social Engagement
- Global Citizenship



Multidisciplinary & Flexi-Education

Structure, Applicability, Transferability



Quality & Relevance!

Public-Private-University Partnership

Internship
Talent Mobility
(Medical Education)



Impact of the pandemic: students & staffs





Digital-Distancing-Discrimination-Domestic



มหาวิทยาลัยมหิดล Digital: Infrastructure-Activity-Regulation









รวบรวมทรัพยากรสารสนเทศที่ทันสมัยไว้ในที่เคียว เข้าถึงทรัพยากรสารสนเทศของห้องสมุคได้ทุกที่ทุกเวลา





Physical → Virtual (Meeting-Training-Conference)



Digital: Teaching & Learning:

Computer-based Training & Examination

วิทยาเขตนครสวรรค์



วิทยาเขตอำนาจเจริญ



วิทยาเขตกาญจนบุรี





Zone ศาลายา

สร้างเป็น Platform พร้อมรองรับการสอบ Online สำหรับรายวิชาอื่น



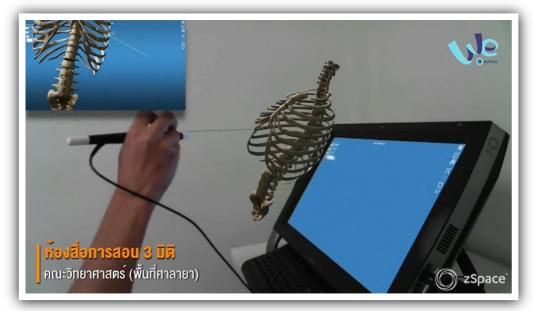
Digital: Education & Conference

Adaptive Learning:

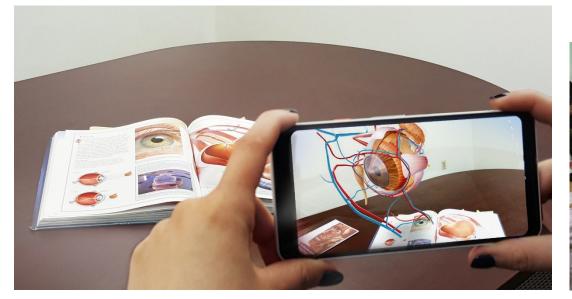
- -Artificial intelligence
- -Learning analytic

Extended Reality:

- -Augmented reality
- -Virtual reality



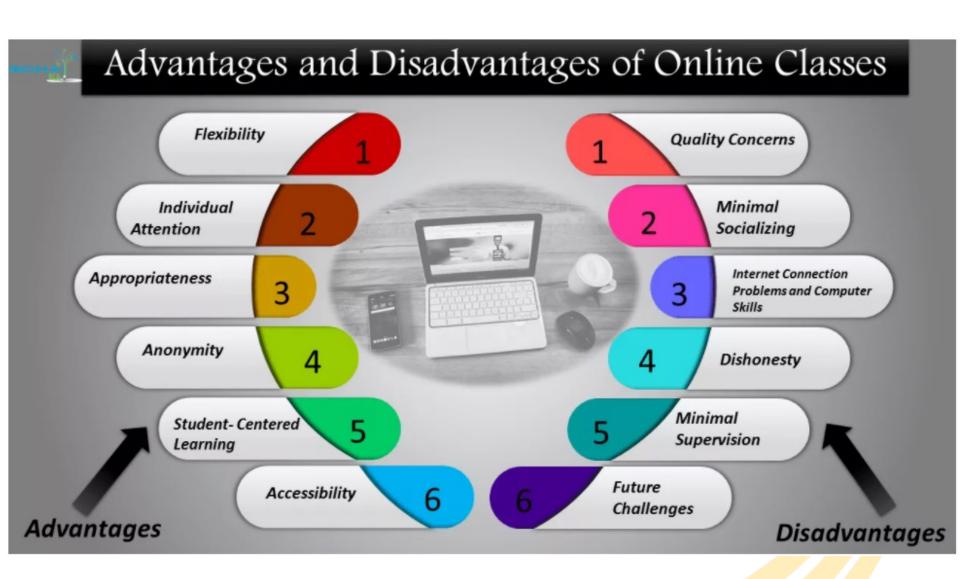
On-line Conference







Digital Educations











เคยมาแรม...ทักษะแห่วศตวรรษที่ 21

3 อมค์ประกอบ



Attitude ทัศนคติ+อุปนิสัย



Skill



Knowledge ความรู้



ໃຝ່หາความรู้



คิดเชิงวิพากษ์



อดทน



สื่อสาร



รับผิดชอบ



ทำงานเป็นที

ยังจำเป็นต่อไป...แต่ไม่พอแล้ว



22:41



PRI

อยู่อย่ามไร...ในโลกพยากรณ์ยาก?

เมื่อโลกพยากรณ์ได้...
เราต้อมการคนฉลาด
แต่เมื่อโลกพยากรณ์ไม่ได้...
เราต้อมการคนที่ปรับตัวได้



แฮรี่ มินทซ์เบิร์ก ศาสตราวารย์ด้านกลยทธ มหาวิทยาลัยเ

Thai PBS

ศาสตราจารย์ด้านกลยุทธ มหาวิทยาลัยแมกกิลล์ 22: 42



าะปรับตัวได้...ต้อมใช้ทักษะแห่มศตวรรษที่ 21++

3 อมค์ประกอบ



Attitude ทัศนคติ+อุปนิสัย



Skill



Knowledge ความรู้



เปิดกว้าม



คิดสร้างสรรค์



กล้าทดลอง



มอวภาพใหญ่



จิตใจแห่วการเติบโต



วาดภาพสถานการณ์

ทักษะแห่วศตวรรษที่ 21++...ผนวกสู่นวัตถดิเมรี

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A VUCA World with Accelerated Changes



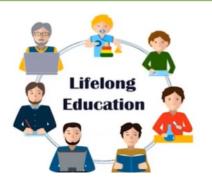


4th Industrial Revolution

Lifelong Learning

Wicked

Problems





Digitalisation in all domains of living



Given These Conditions, Universities Must Consider Some Key Questions

How to better prepare graduates for a fast-changing world?

And how to make lifelong learning integrate seamlessly with undergraduate education?

How to imbue graduates with a spirit of lifelong learning?

Are our current teaching and learning approaches appropriate and effective?

What would be new operating models?





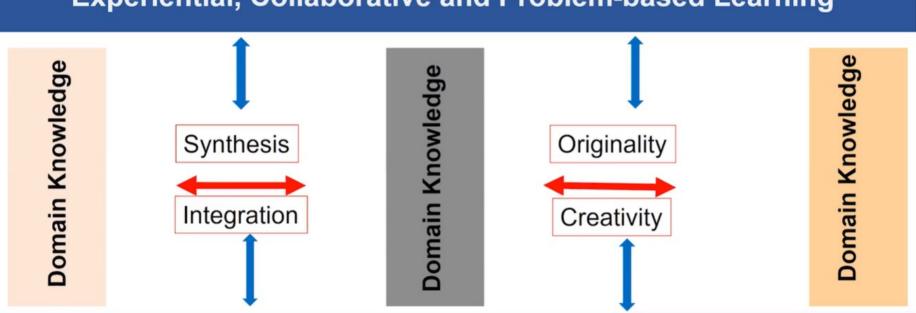
Lifelong Learners (L³) Programme





Interdisciplinary Teaching & Learning

Experiential, Collaborative and Problem-based Learning



Broad Intellectual Foundation comprising General Education & Interdisplinary modules



Summary: Future Trend of HE

The Major Paradigm Shifts

Education Reform

Lifelong Learning

Broadening Intellectual Horizons

Flexible Pathways

Interdisciplinary Learning

- Preparing for a fast-changing and more uncertain world
- Deep and broad skilling
 - Common Curriculum to build broad range of capabilities
 - Unique Portfolios, No Fixed Trajectories