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Senior Vice President for Academic Affairs
King Mongkut's University of Technology Thonburi

### EDUCATION TODAY





#### **EFFICIENCY**

KNOWN



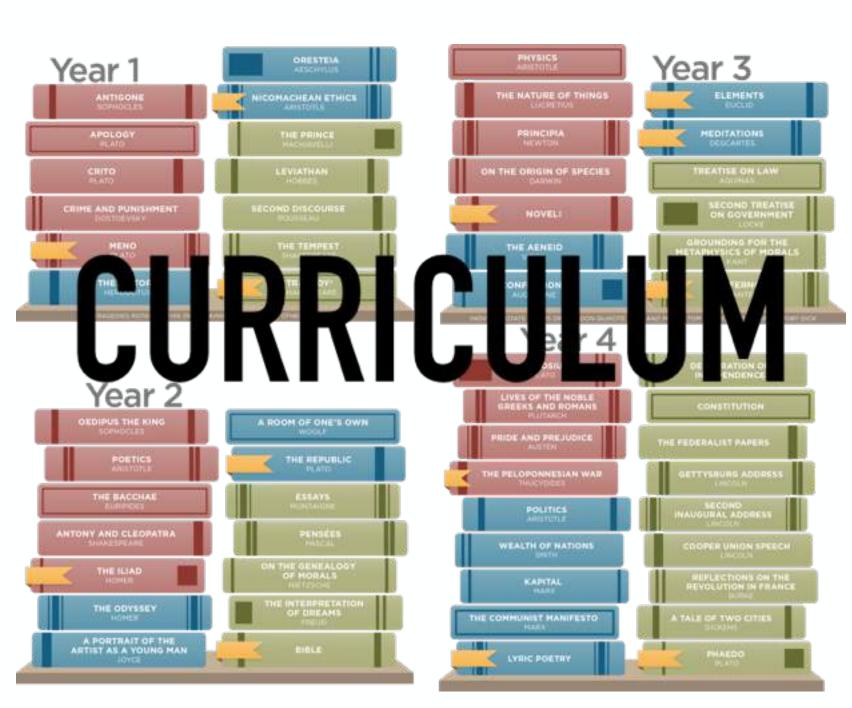


#### INFORMATION





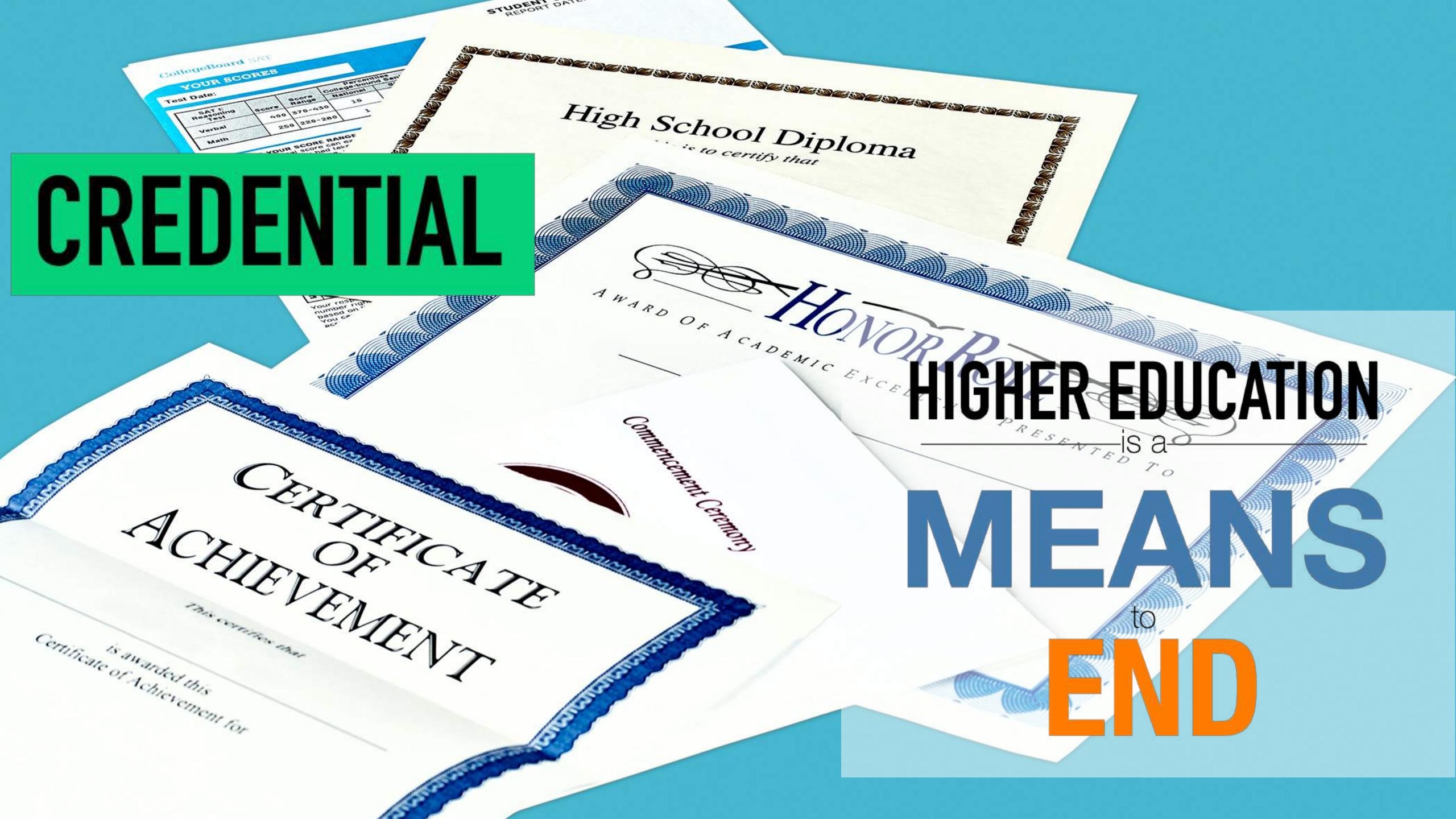








constructing leading to DISCRETE EDUCATION SYSTEM tertiary higher secondary lower Secondary elementary



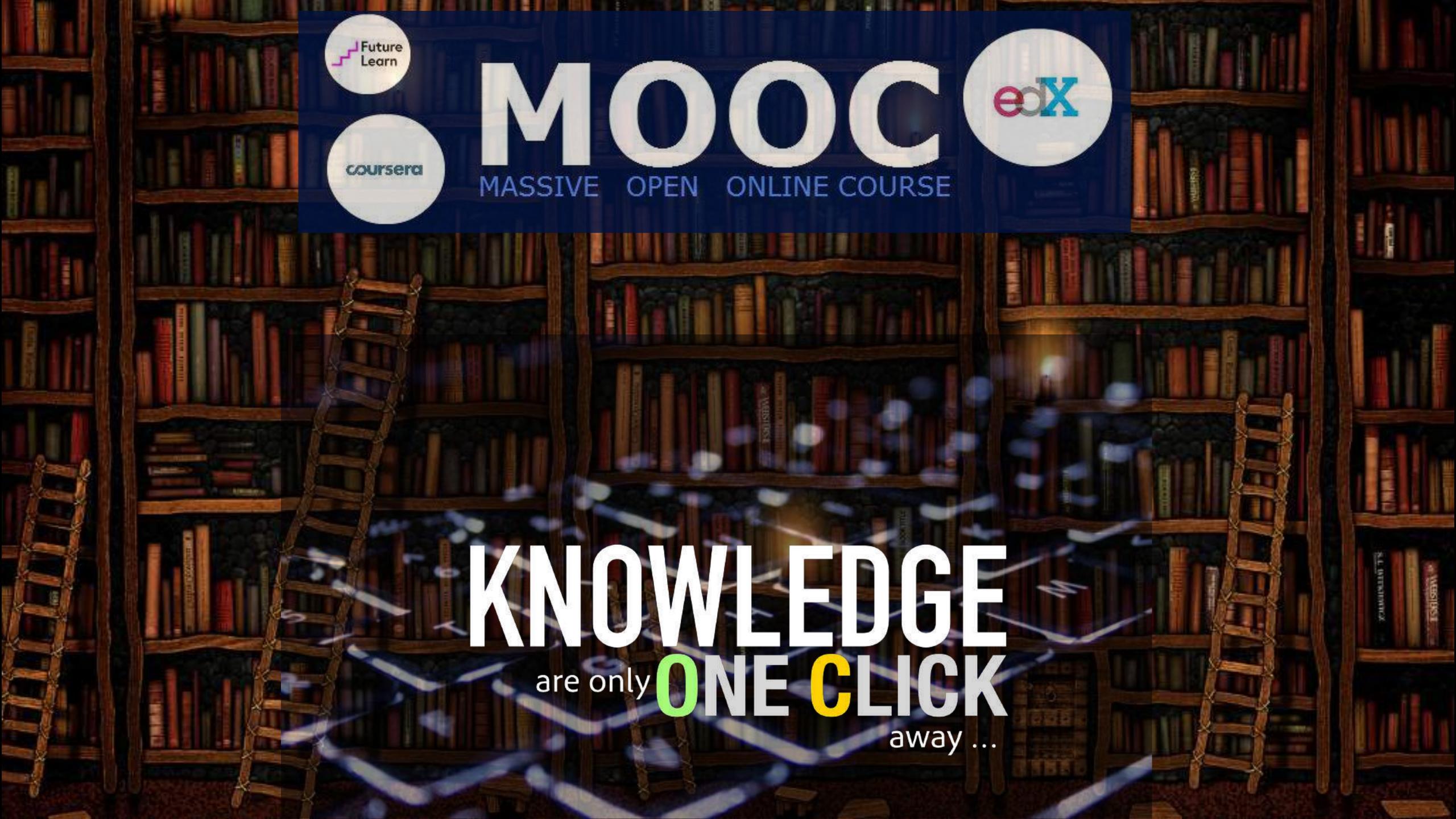
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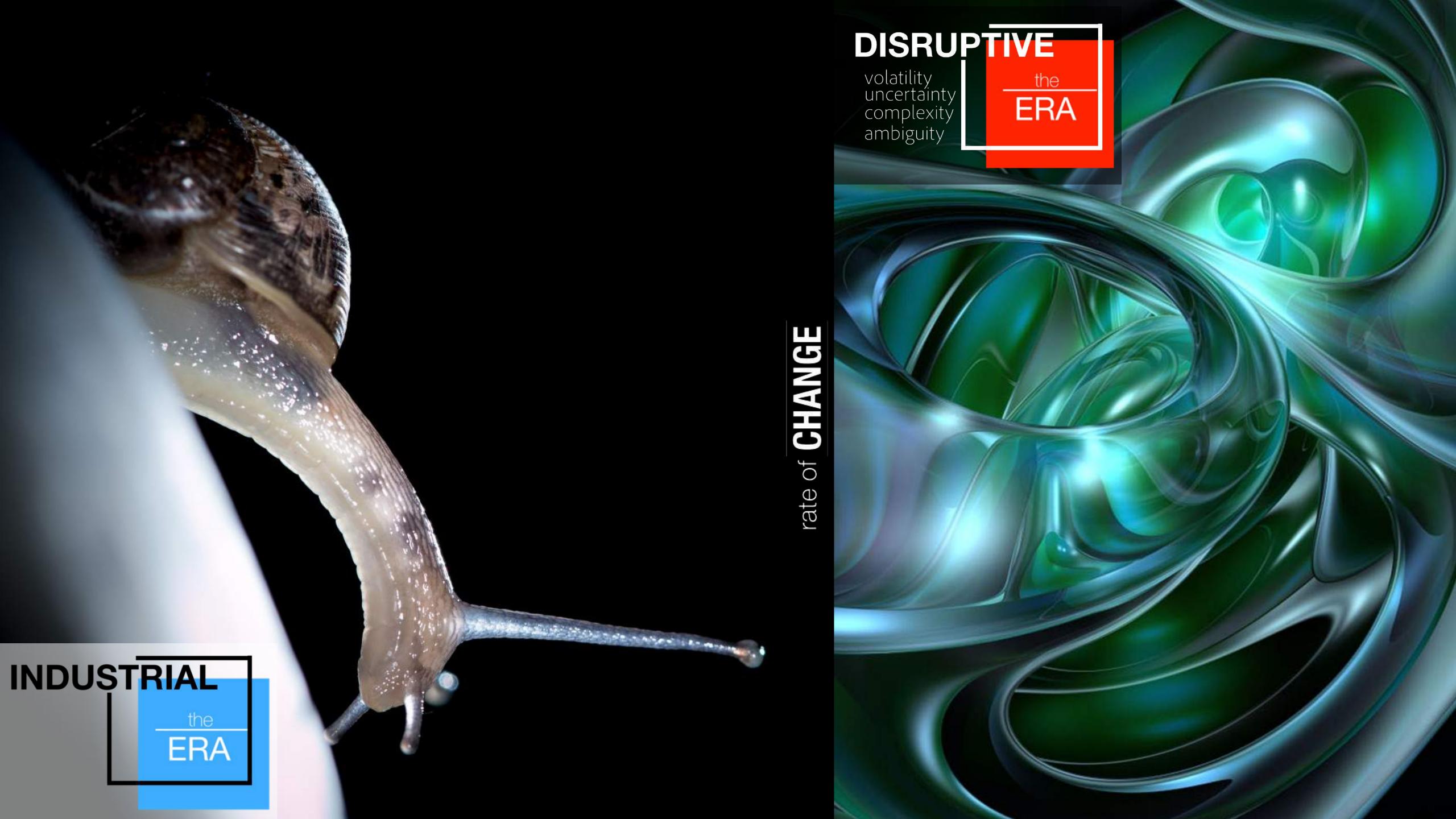
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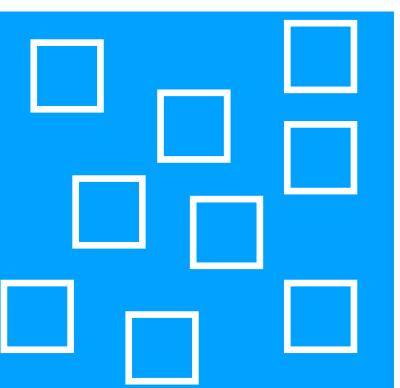






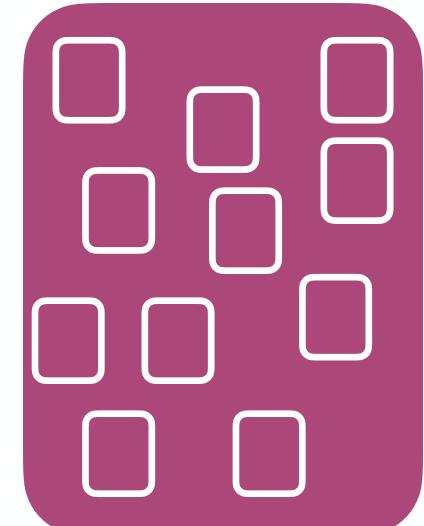
Science and Technology

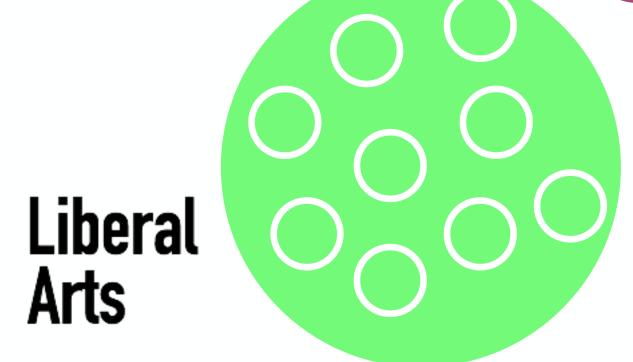
Life Sciences



20 st Century Disciplinaries



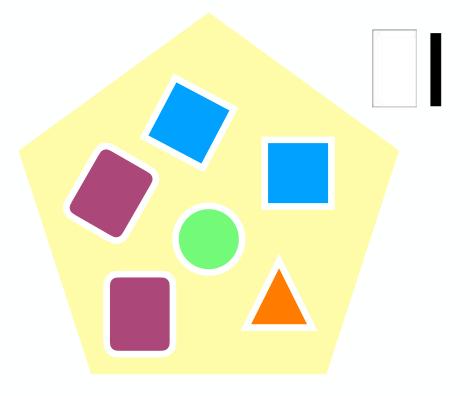


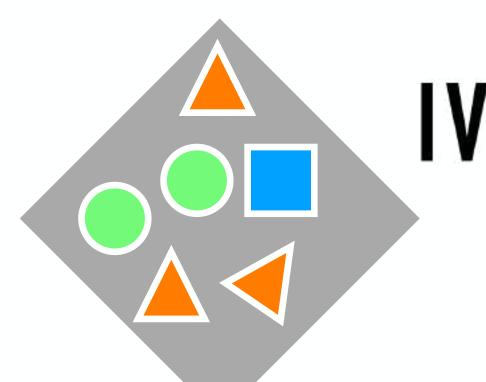


Business/Social Science/Education

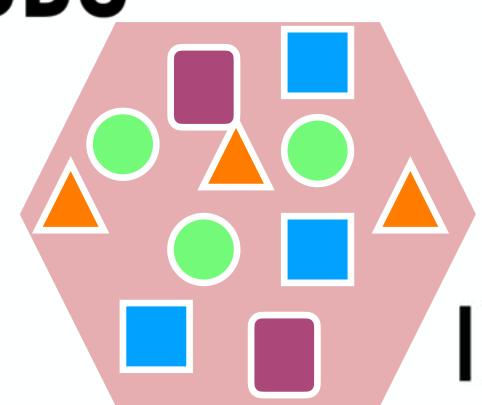
Industrial Society

Digital Society





New Normal JOBS





21st Century
Transdisciplinary
Based Competences





the world of 







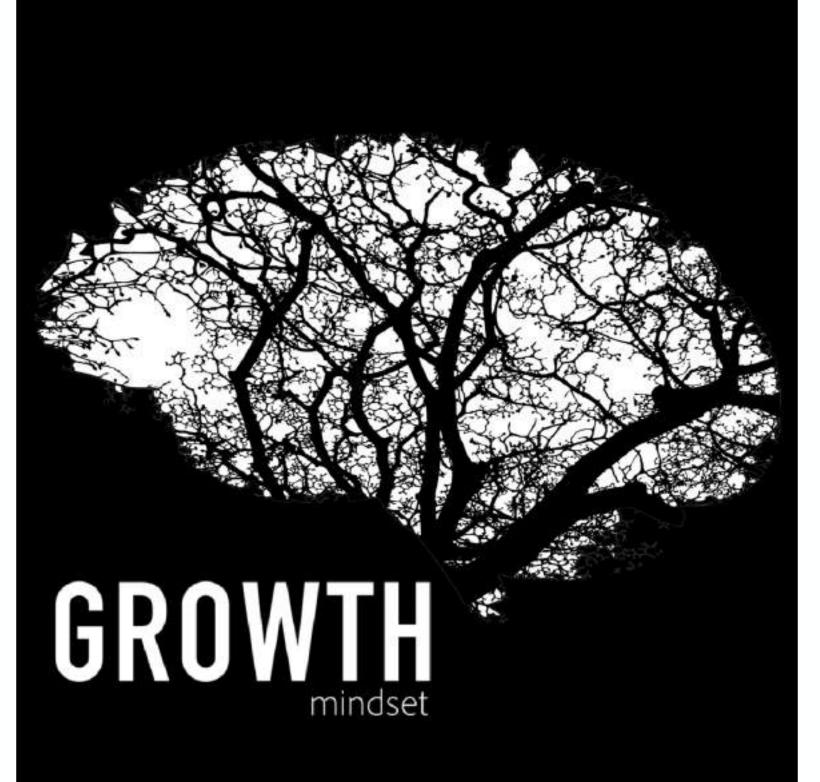












INFORMATION UNKNOWN

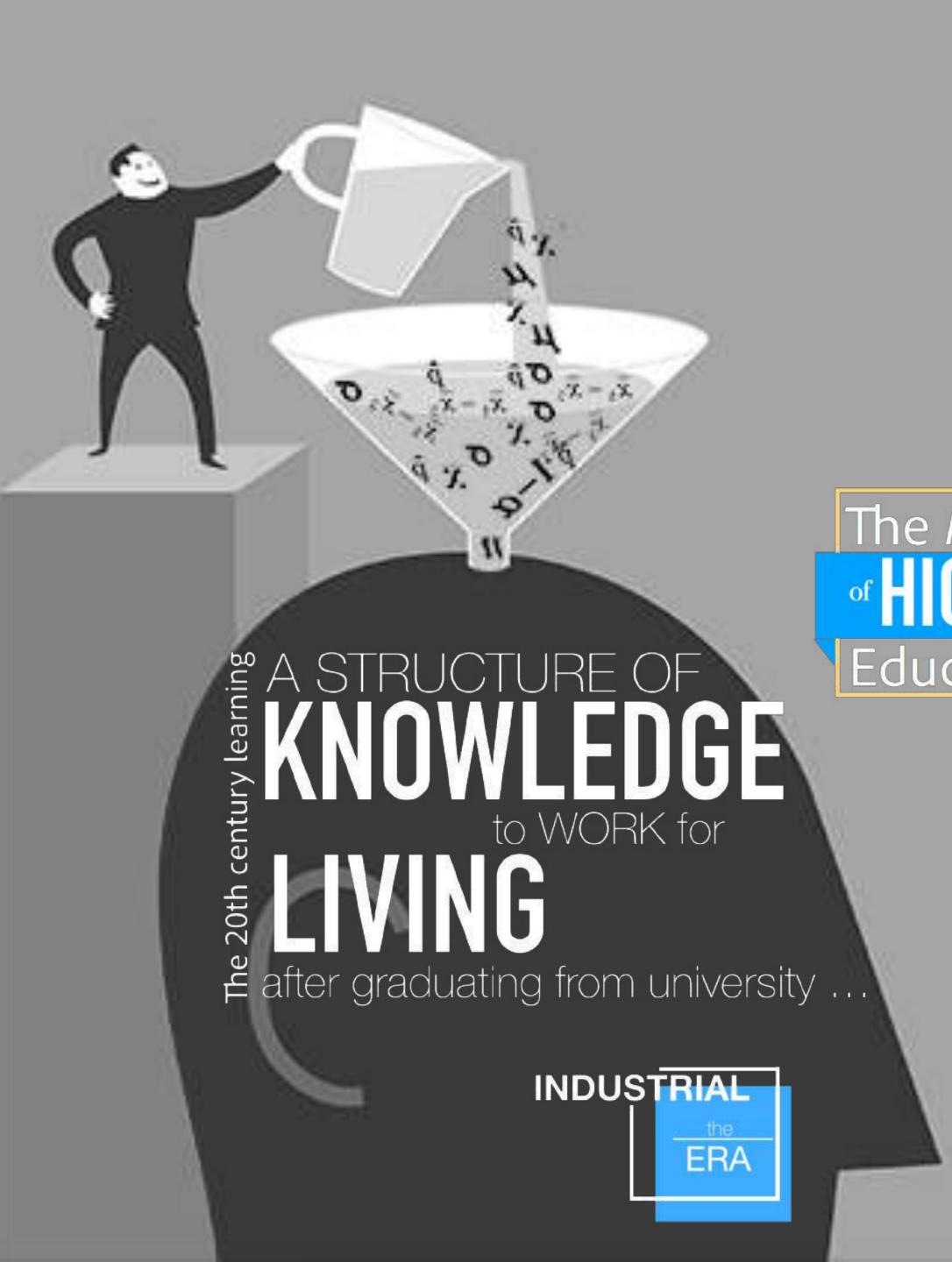
INNOVATIVE -and-

GROWTH

### LEARN character

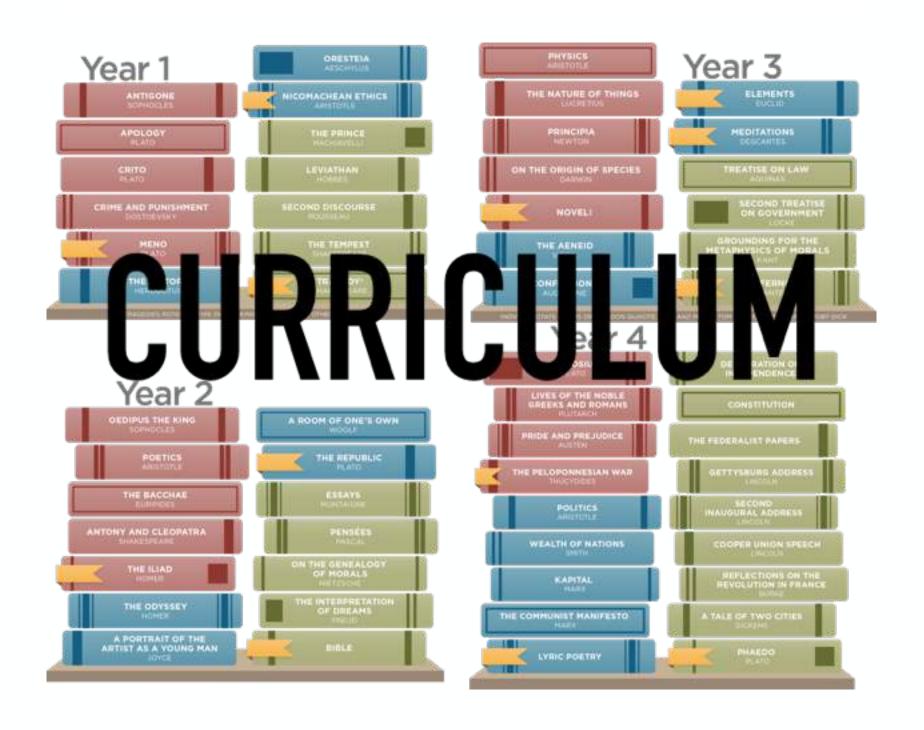








### Courses





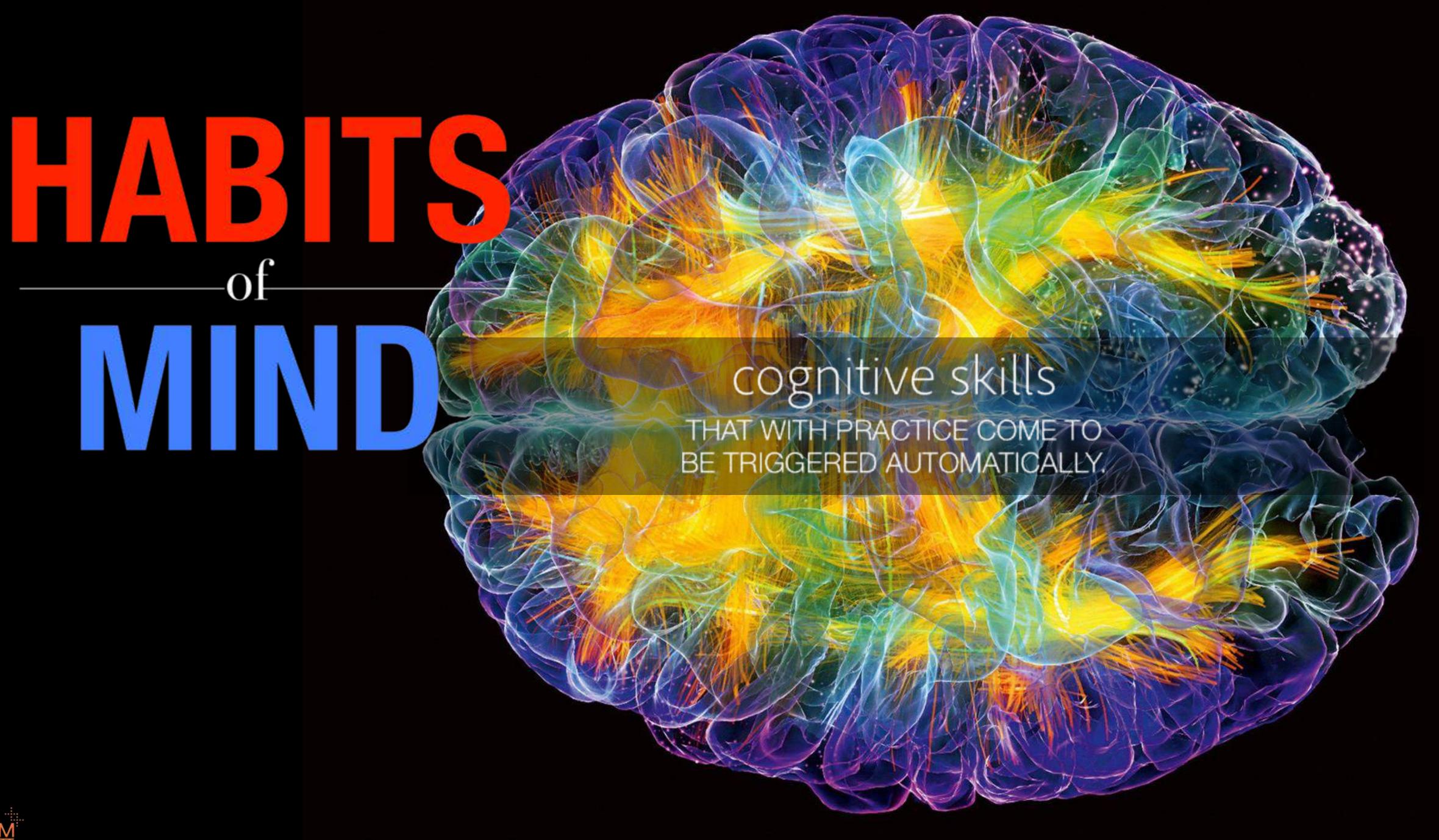






It is about WHA students CAN DO with A they KNOW... in the UNEXPECTEI









#### still engaged

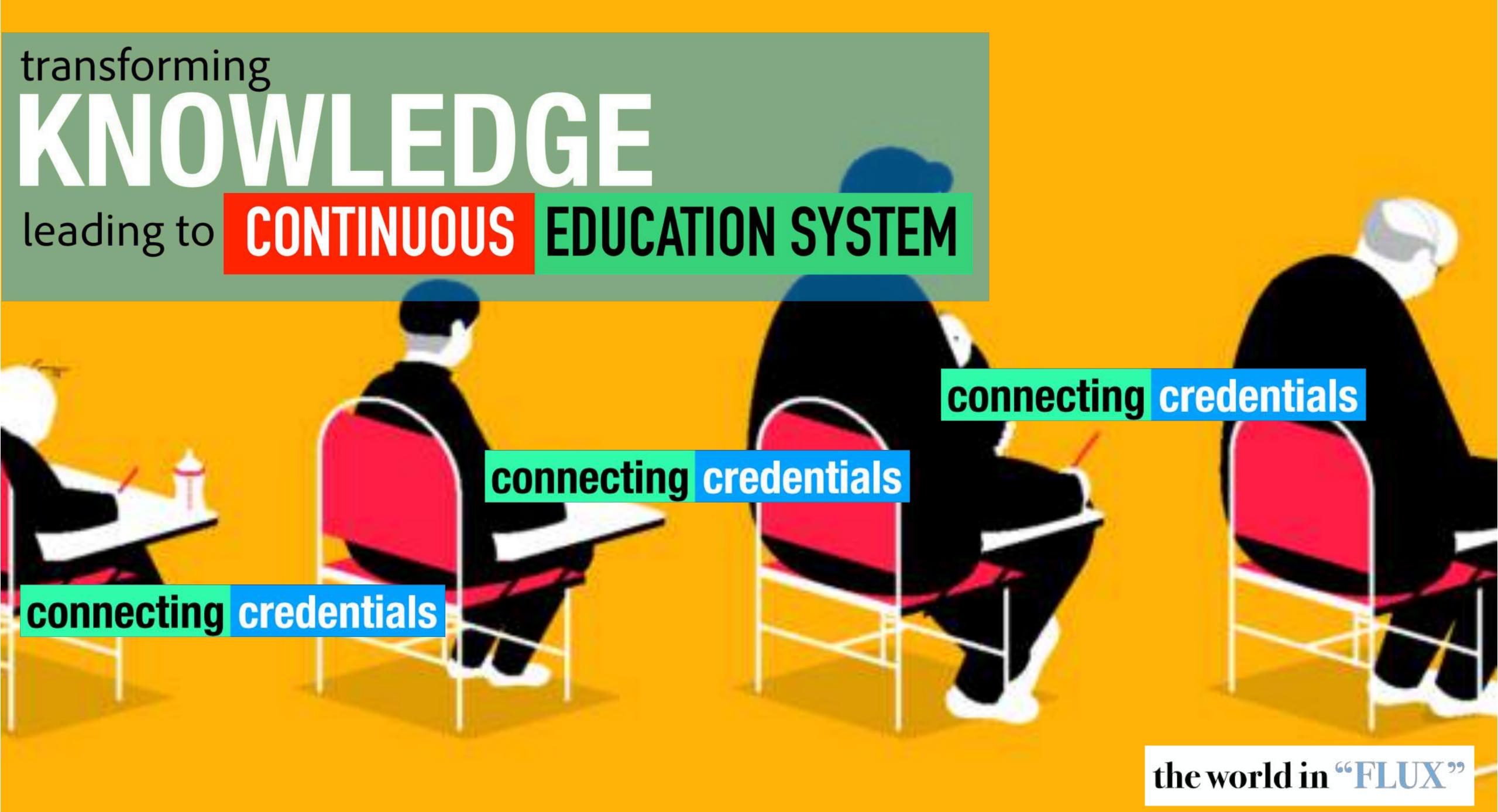




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#### KMUTT Micro Credential System



**BUSINESS** 

**Job ready competences** 

(Specific and dynamic)

Very academic, focusing on applying theories, career's knowledge foundation

Professional learning, Job/ Industry specific competency



Make our degrees be more transparent with explicit definition of the competences they represent, so that all stakeholders can see the value of these competences.













Degree	MOOC Course	MC
Preset list of subjects, structure, sequence	online version of a course, can be counted towards a degree (subject level)	tied to a stack of competency development, credits earn can be count towards a degree
Very academic, focusing on applying theories, career's knowledge foundation	Mostly similar to the course we know, content is published online	Professional learning, Job/ Industry specific competency
Awarded after 4 years, full-time commitment	fixed or flexible time, awarded once passed a certain criteria	Evidence based Evaluation with no time limit (get it when you can do this)
A set of mostly generic competence	A combination of KSA	Single competency per MC, lower level of commitment
Formal learning - face to face	Formal learning provided online	recognise any forms of learning, formal, informal
You can learn from me	You can learn from me	Performance assessment (I know you can learn by yourself, I will give you a list of learning



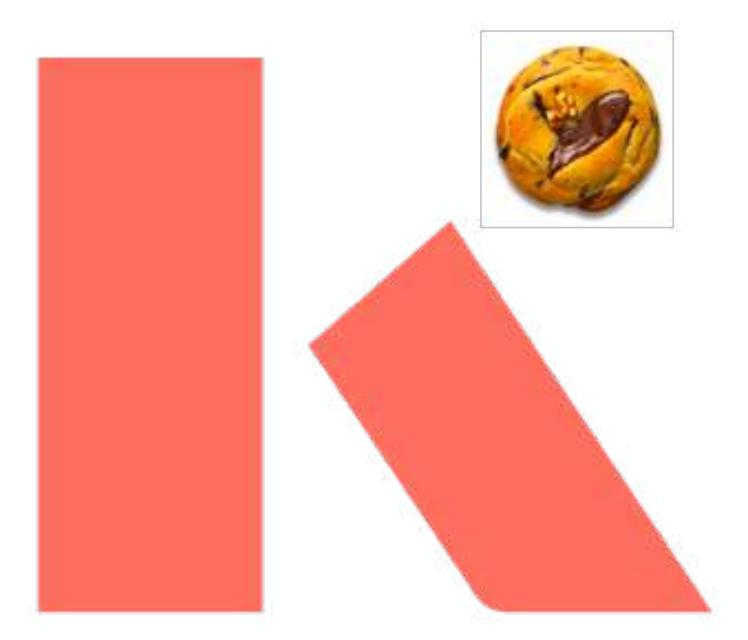




#### REDEFINITION

creation of new services which previously

#### INCONCEIVABLE



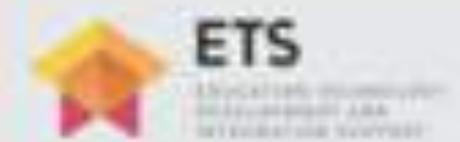
YOUR

## KMUTT 44 LIFE









# BIG INPAC

Learning for Life with KMUTT Micro Credentials

Micro-credentials (also referred to as competency-based credentials) allow earners to earn an endorsement in a way that is specific, job-embedded, performance-based, and less expensive and time-consuming than coursework.

**Digital Promise** 

#### small and stackable

#### Key terms

#### Micro-Credentials

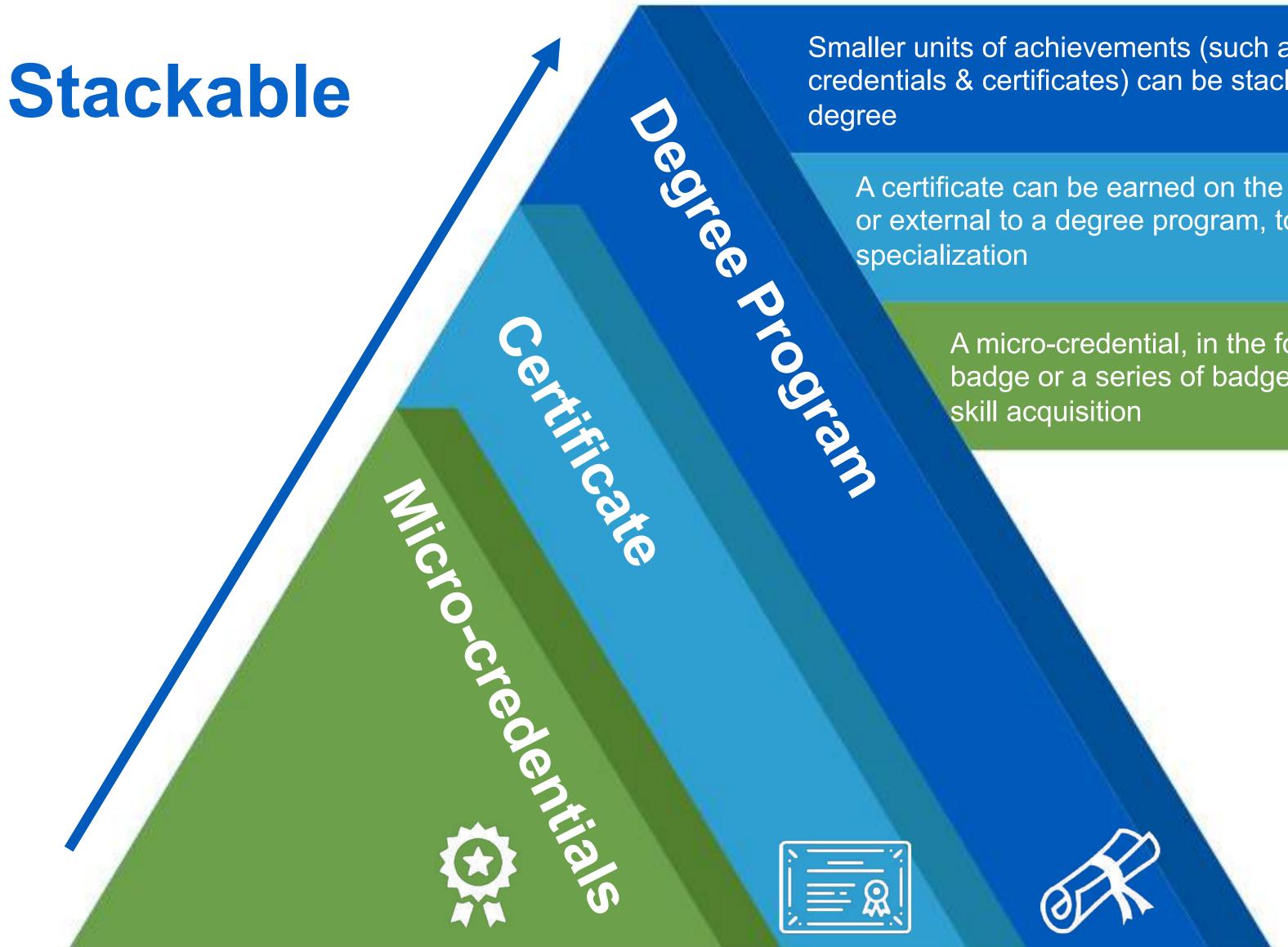
- Small, skills-based programs that result in a digital credential
  - May be credit bearing or non-credit bearing (0-X credits)
  - At many institutions, digital badges are awarded upon completion of a micro-credential.
  - o Provide opportunity for personalized learning.
  - Provide mechanism for learners to gain relevant skills and to easily showcase those skills.

DEGREE: DIPLOMA:: MICRO-CREDENTIAL: DIGITAL BADGE









Smaller units of achievements (such as microcredentials & certificates) can be stacked to a

A certificate can be earned on the way to a degree, or external to a degree program, to show

> A micro-credential, in the form of a digital badge or a series of badges, recognizes

> > Example-

**Digital Composition** microcredential offered through the English department

- A fully online program that stacks towards a graduate certificate
- Graduate certificate stacks toward Master's degree





## Digital Badge-- Definition

Digital badge- A digital icon that represents successful completion of a learning experience(s).

Badges contain metadata, including information regarding the issuing institution, the date earned, the criteria required to earn the badge, and the associated evidence related to the awarded badge.











# ACHIEVEMENT of student from LEARNING

Growth of Student

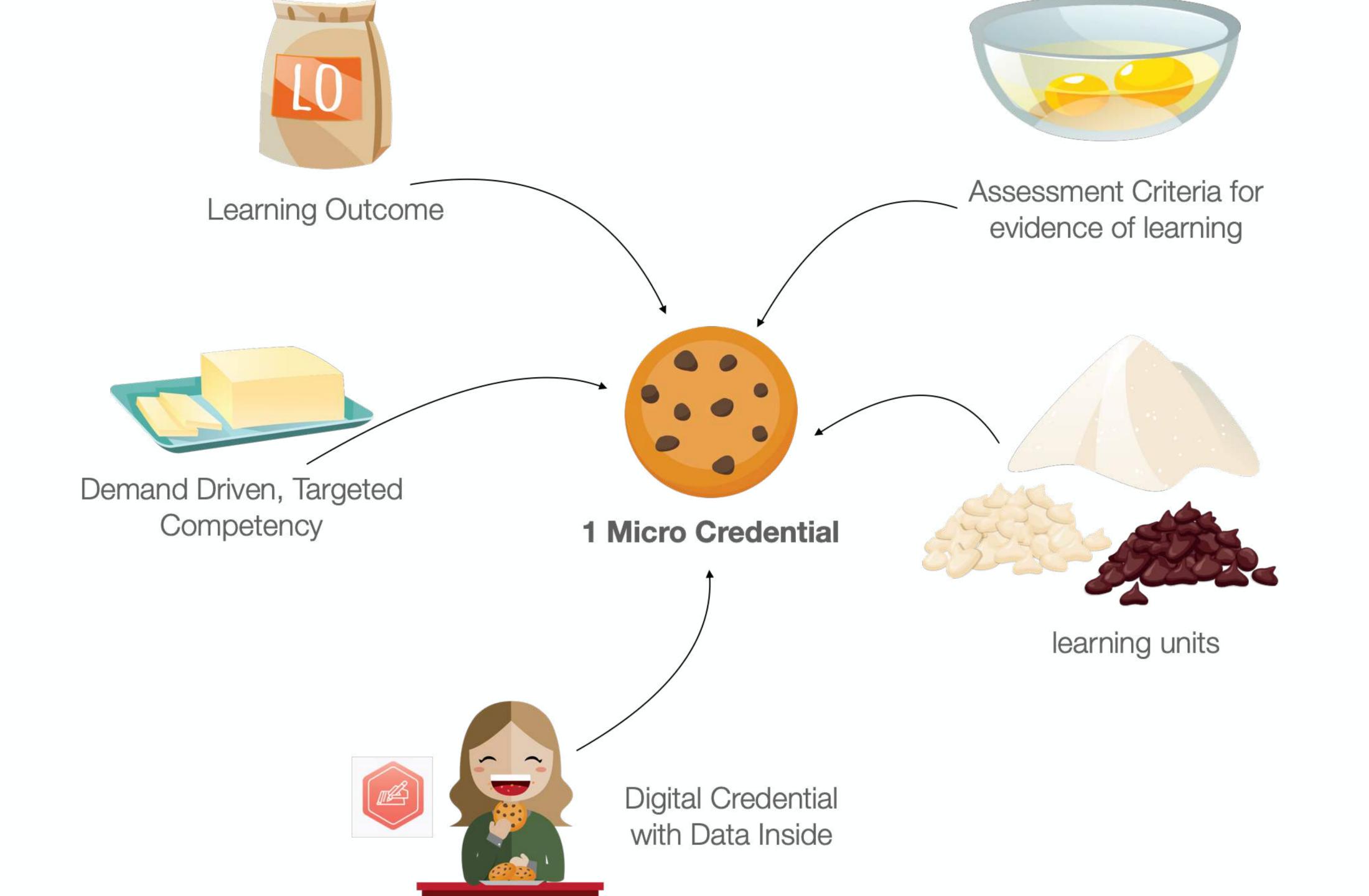


trom learning Development













# Accumulated Wisdom

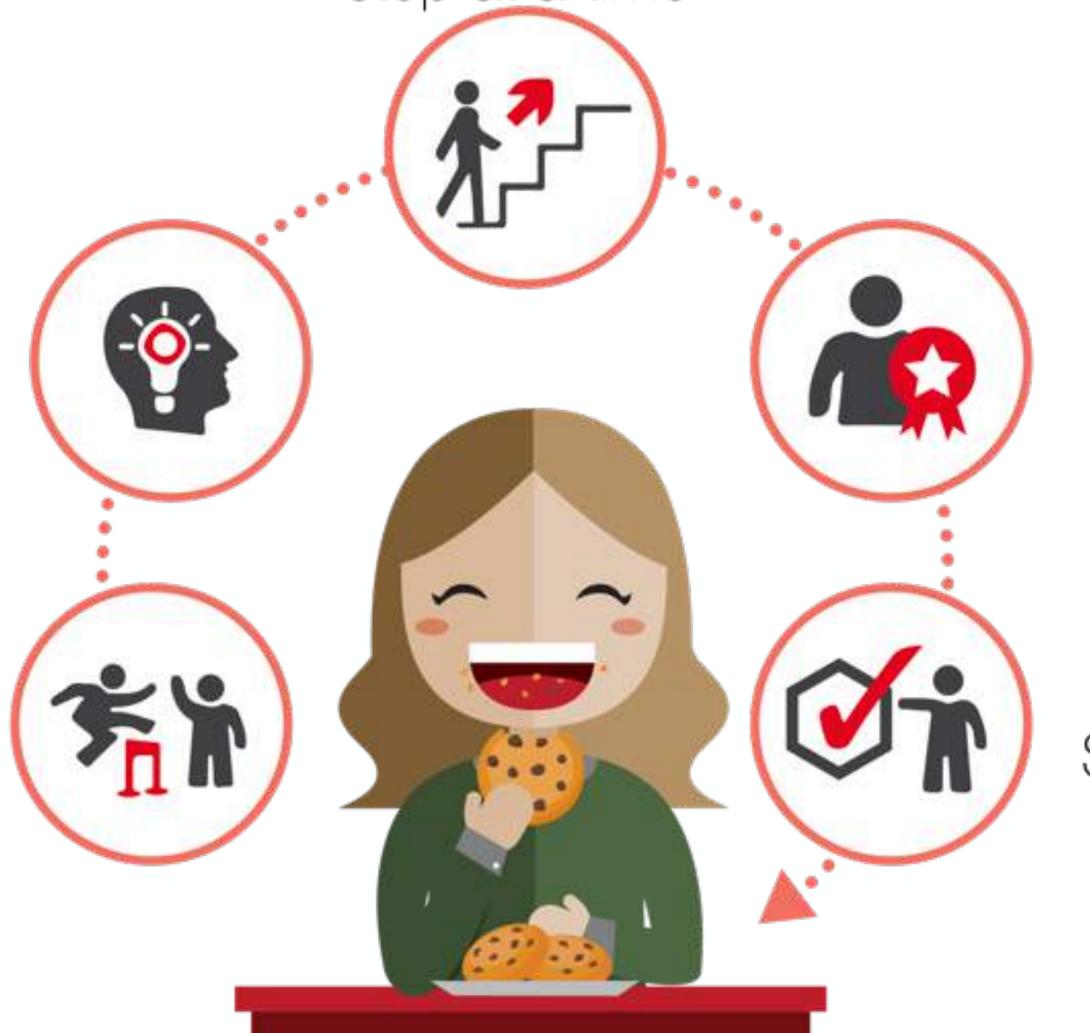
Cultivating wisdom, one step at a time

#### Higher Order Thinking

Focus on higher order thinking, problem solving

#### **Practical**

Make sure they can do it



# Measure and endorse specific ability

using evidencing

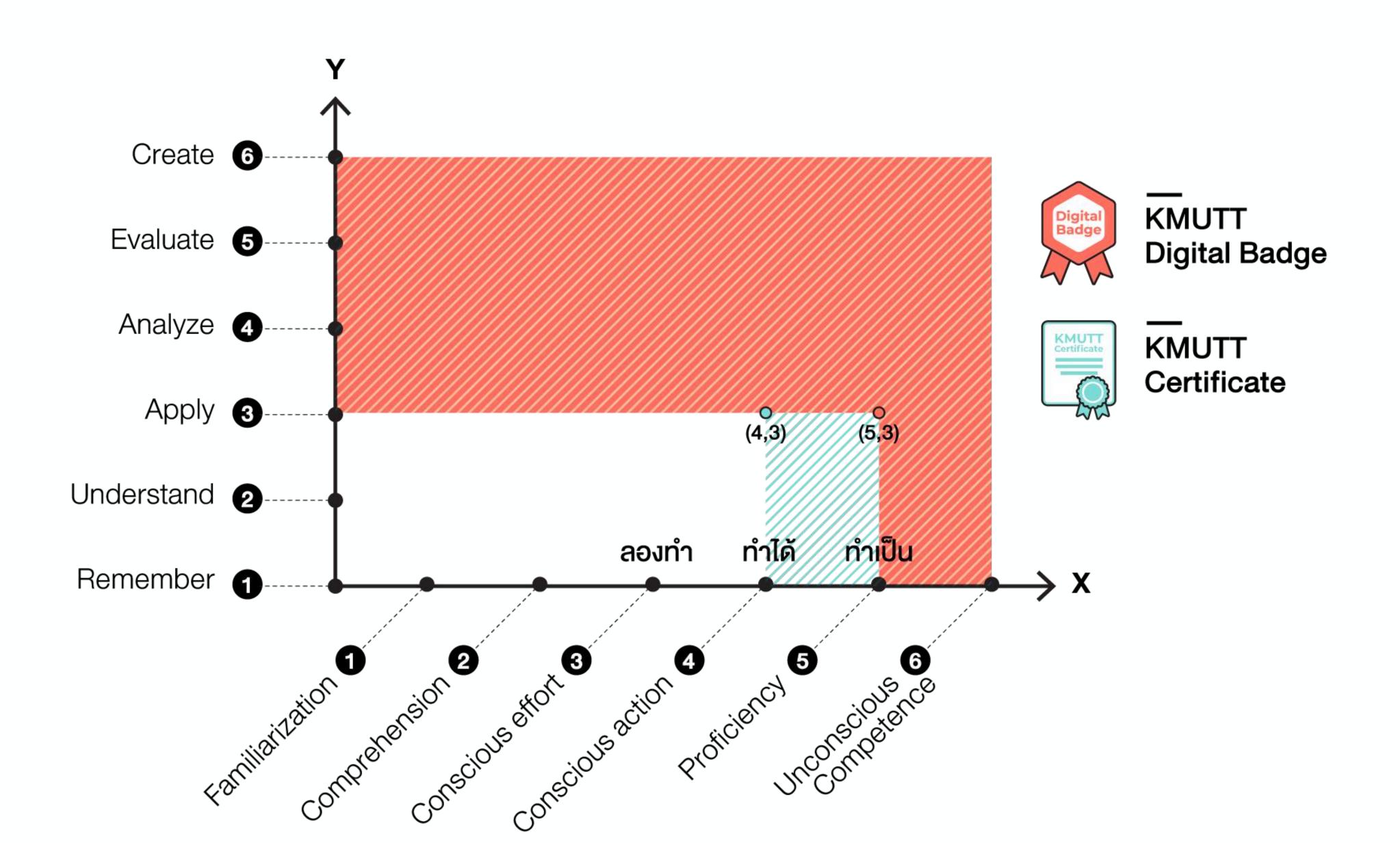
#### **Demand Driven**

Self paced and specific learning for individual needs





# Proficiency & Conscious action







## KMUTT Micro-Credential Skill Training

**Demand Driven** 

Evidence based assessment

Self paced education

Personalised

Research backed

Job embedded

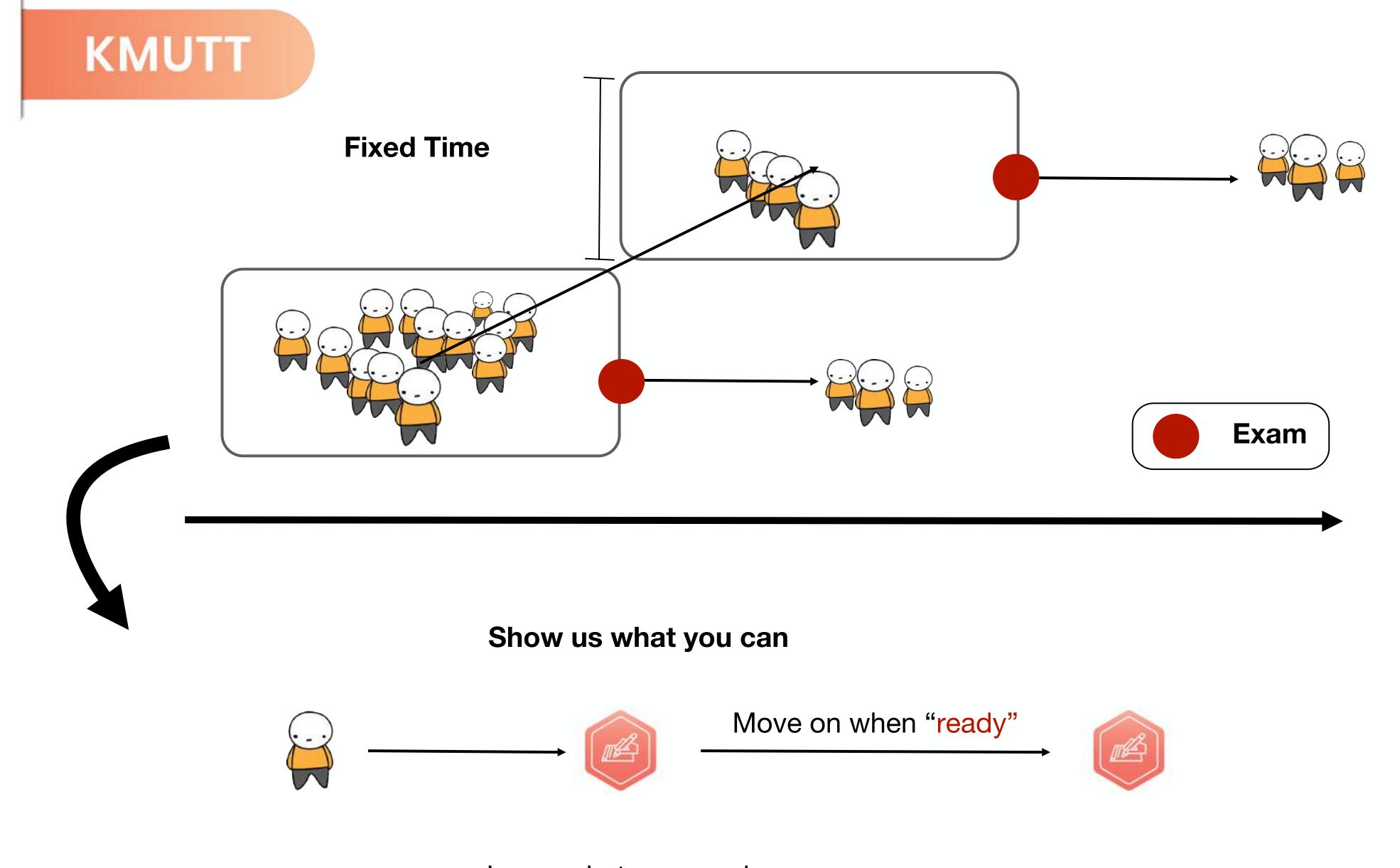
Higher Order Thinking and Other Instrumental competences Seat time

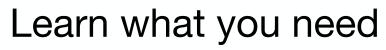
Guarantee competency?

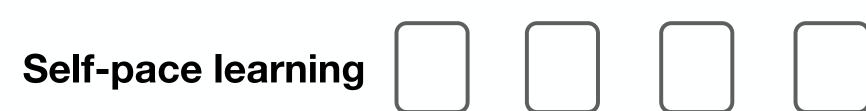
Pretest-Posttest (รู้เพิ่มขึ้นมั้ย)

สอนใช้เครื่องมือ?

ลองทำตาม workshop ที่มี steps ให้





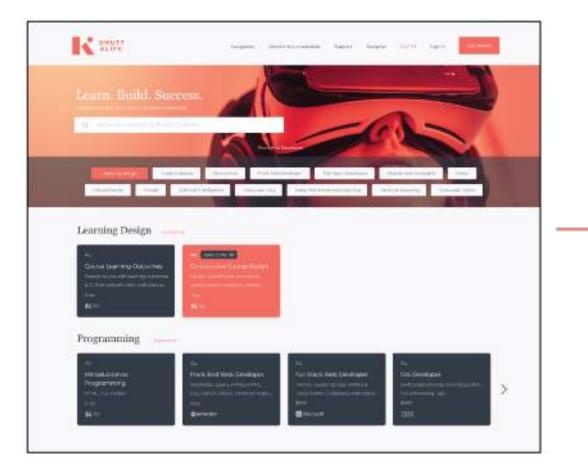




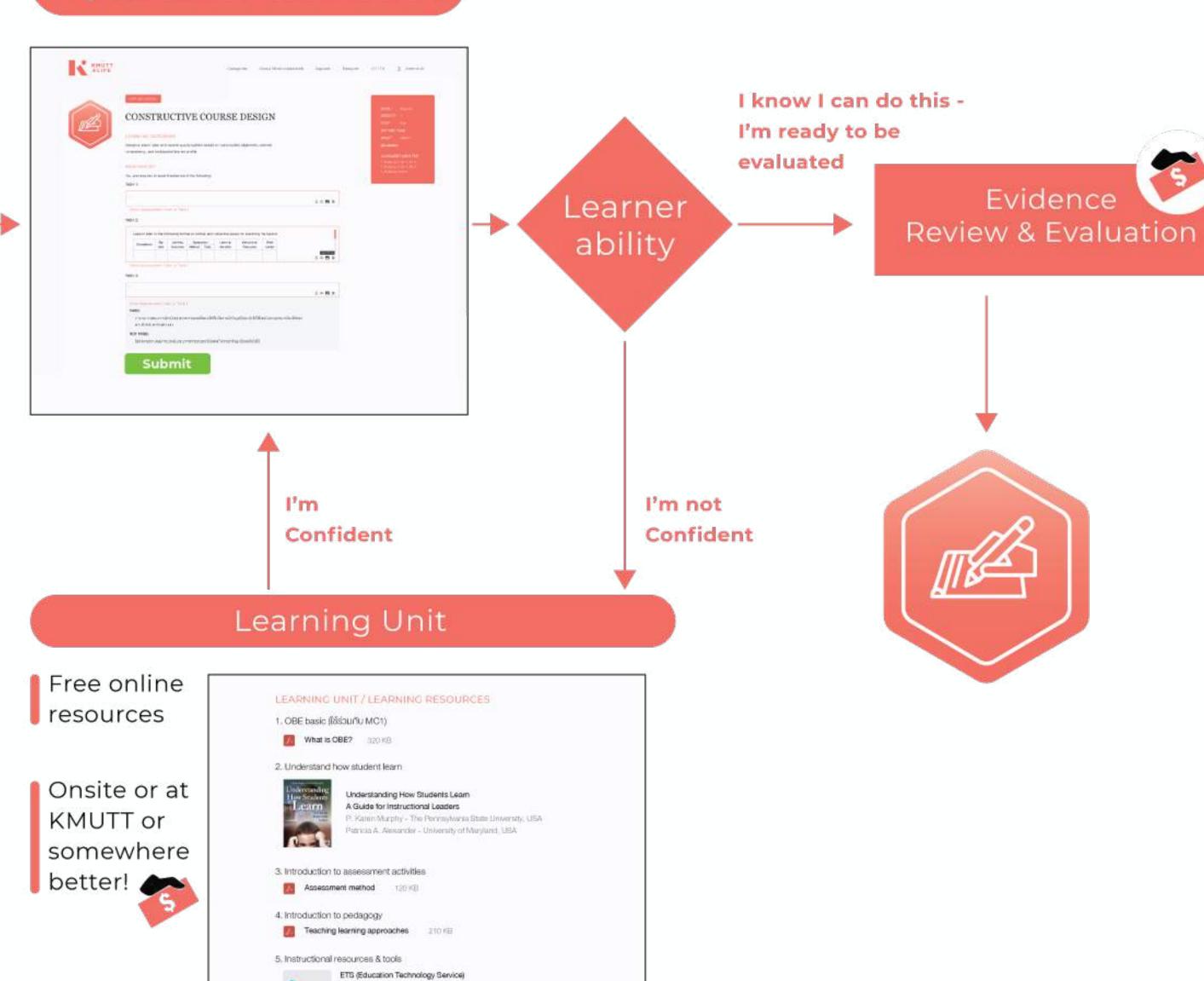




#### Explore MC details



#### Show what you know by Evidence submission



SETS designed to provide all sort of technology research, support and

service in the asse of leaching and learning.

Student feedback: The key to course improvement

6. Course feedback and improvement plan



#### MC Ecosystem

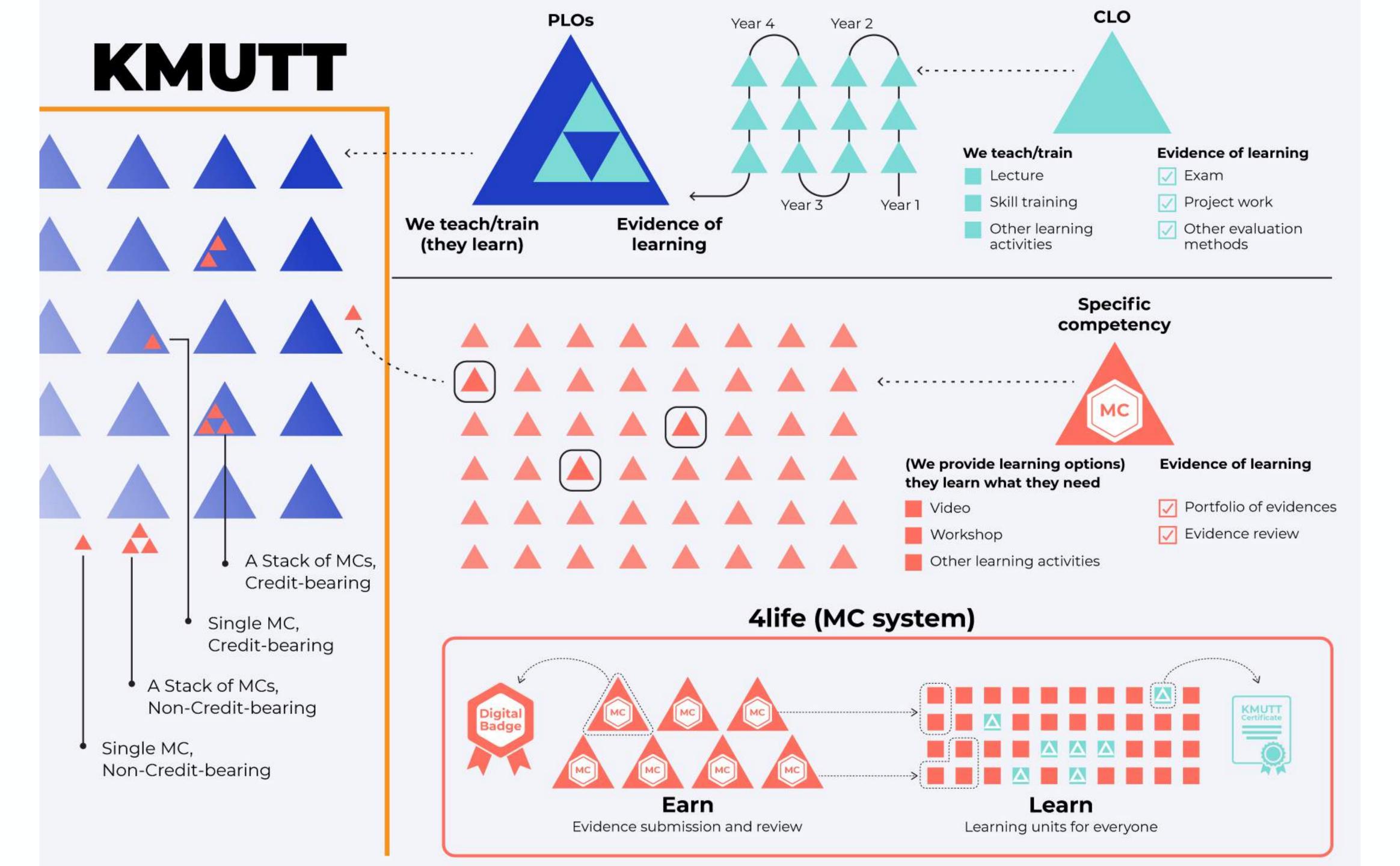
# Designers Earners challenge ability help others, impact recognitions recognitions Need KHUTT

#### Recogniser

- competency tracking
- learning organisation
- capability for business goals





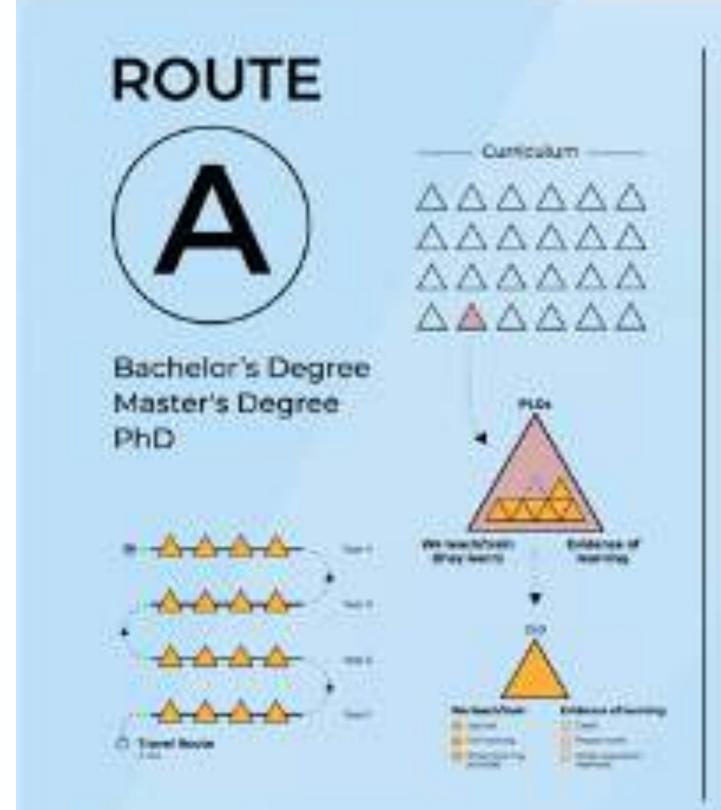






#### **KMUTT Micro-Credential**

ระบบการศึกษารูปแบบใหม่ที่เอื้อต่อการเรียนรู้ตลอดชีวิต



# ROUTE



#### Micro-Credentials

#### What is Micro-Credentials?

Mes-Desertion MO Resource/from Gurra พิสูกนัดกลัยงางกับสามารถที่สุดการการและผู้สิน Competency need Learning Selfertuhounder gitaumidum/Sutokictionaus Down into Me. an atomical application and the analysis an Merchine less larracconsumation (burns in drawnskussessphausies wasterweige are: Mijdou Consilience de una responsationne 10,164



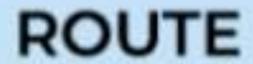


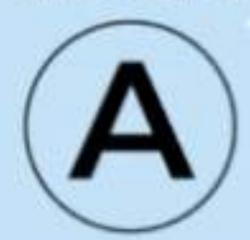


www.4istetonglearning.org

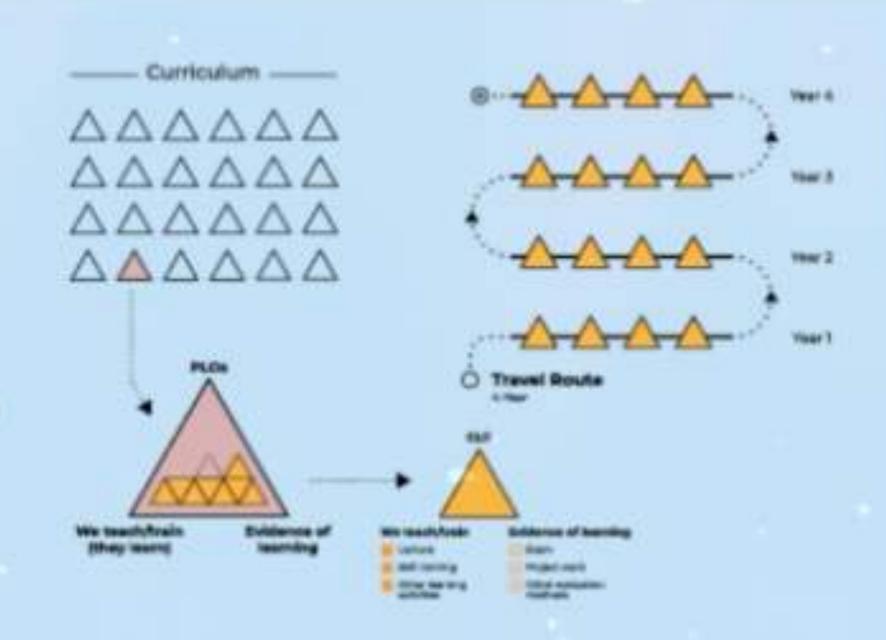




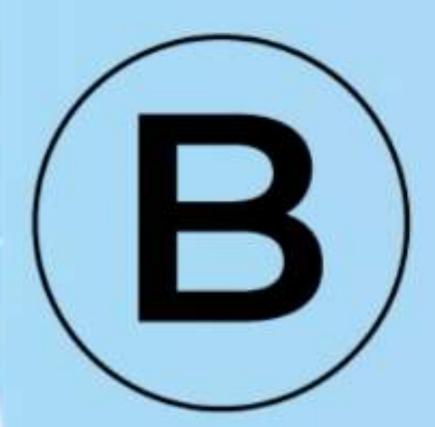




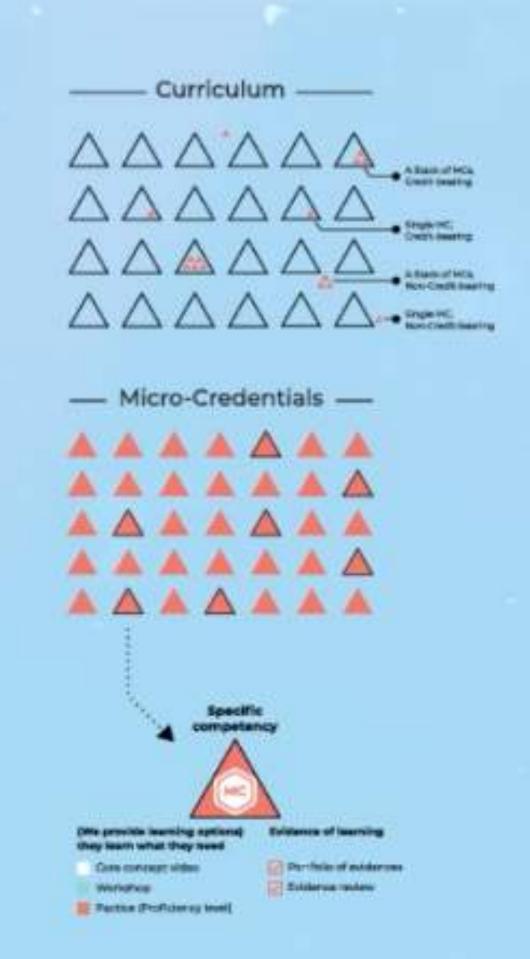
Bachelor's Degree Master's Degree PhD

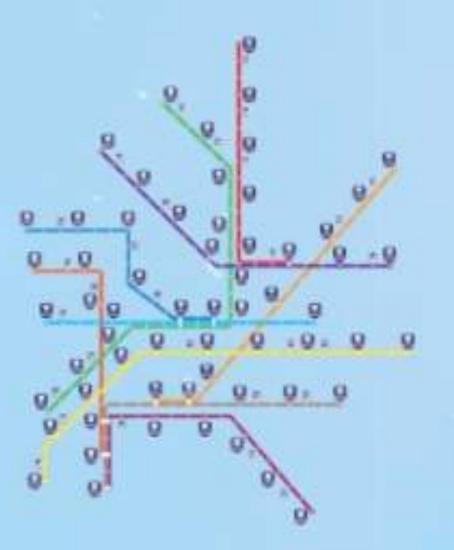


### ROUTE

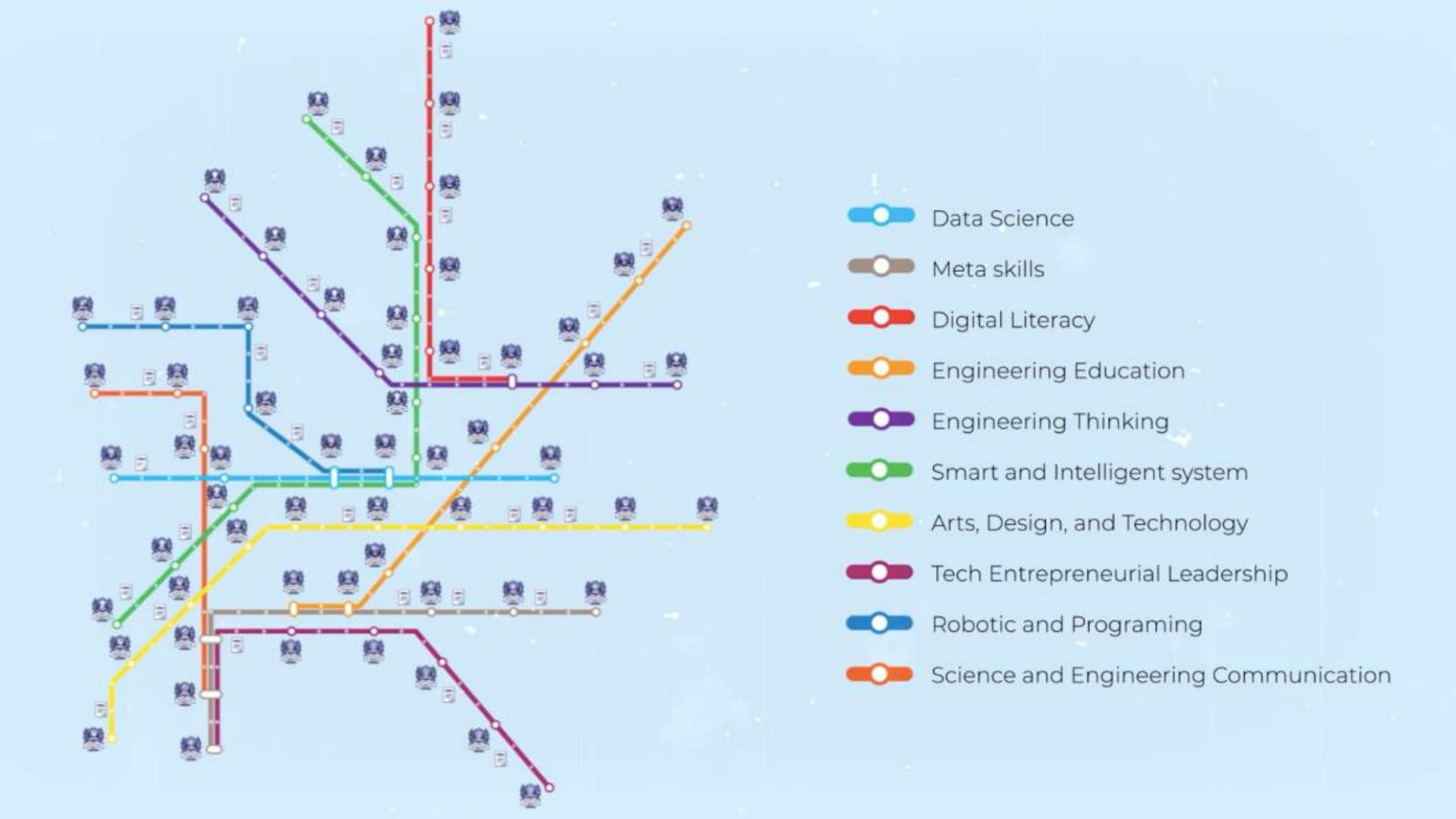


Micro-Credentials









# Credential/Degree Bachelor of M Micro-Degree Micro-Credential



4 years



#### **KMUTT Service Menu**

Credential + Micro credential







