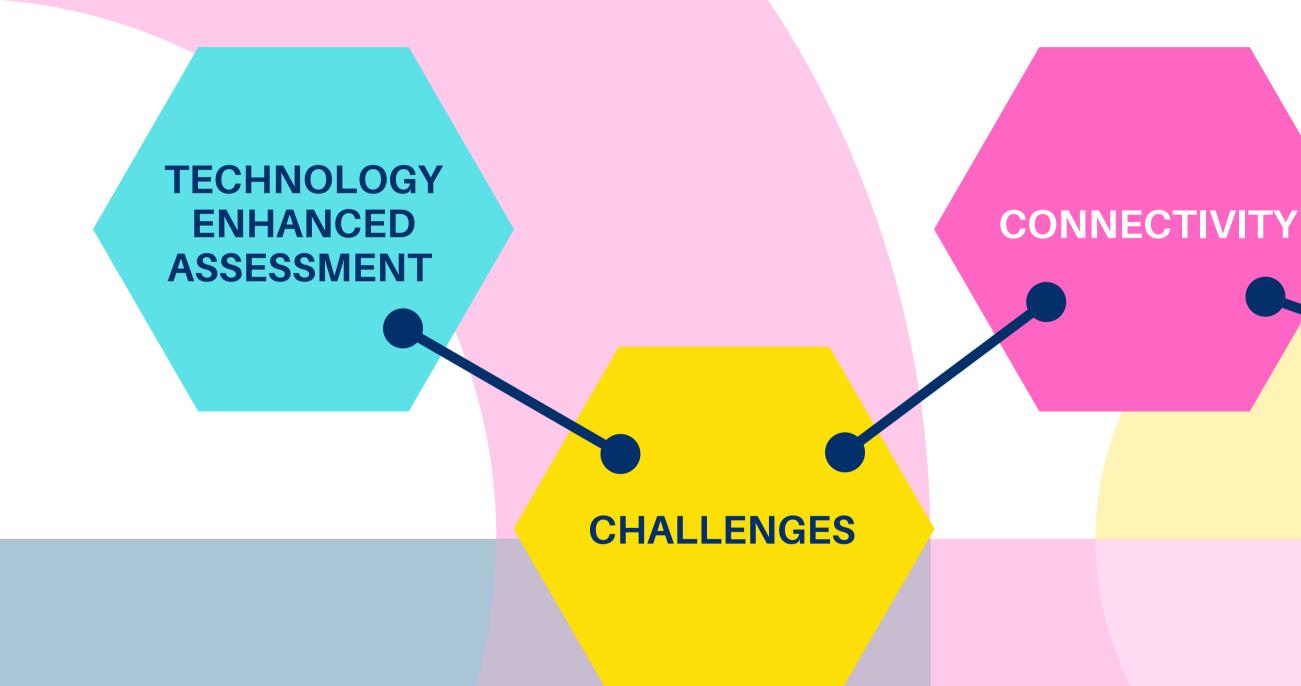
# TECHNOLOGY ENHANCED ASSESSMENT IN HIGHER EDUCATION

Ts. Nurzeatul Hamimah Abdul Hamid Ts. Siti Hajar Aznam

Collaborative Group Alternative Assessment and E-Portfolio



## **TECHNOLOGY ENHANCE ASSESSMENT**



#### PROCESS

Technology Enhanced Assessment is a broad term encompassing the diverse methods by which technology can be used to support the management and delivery of assessment.

> TECHNOLOGY ENHANCED ASSESSMENT

TECHNOLOGY **ENHANCED ASSESSMENT** 

## 'Don't ask what the technology can do for you, rather what the pedagogy needs' (Gilly Salmon, University of Leicester)

## 'Technology doesn't solve everything but it enables me to do something about it' (Mark Russell, University of Hertfordshire)

TECHNOLOGY ENHANCED ASSESSMENT

## Technology-Based Assessment

The use of technology, electronic systems or software to assess and evaluate learners' progress

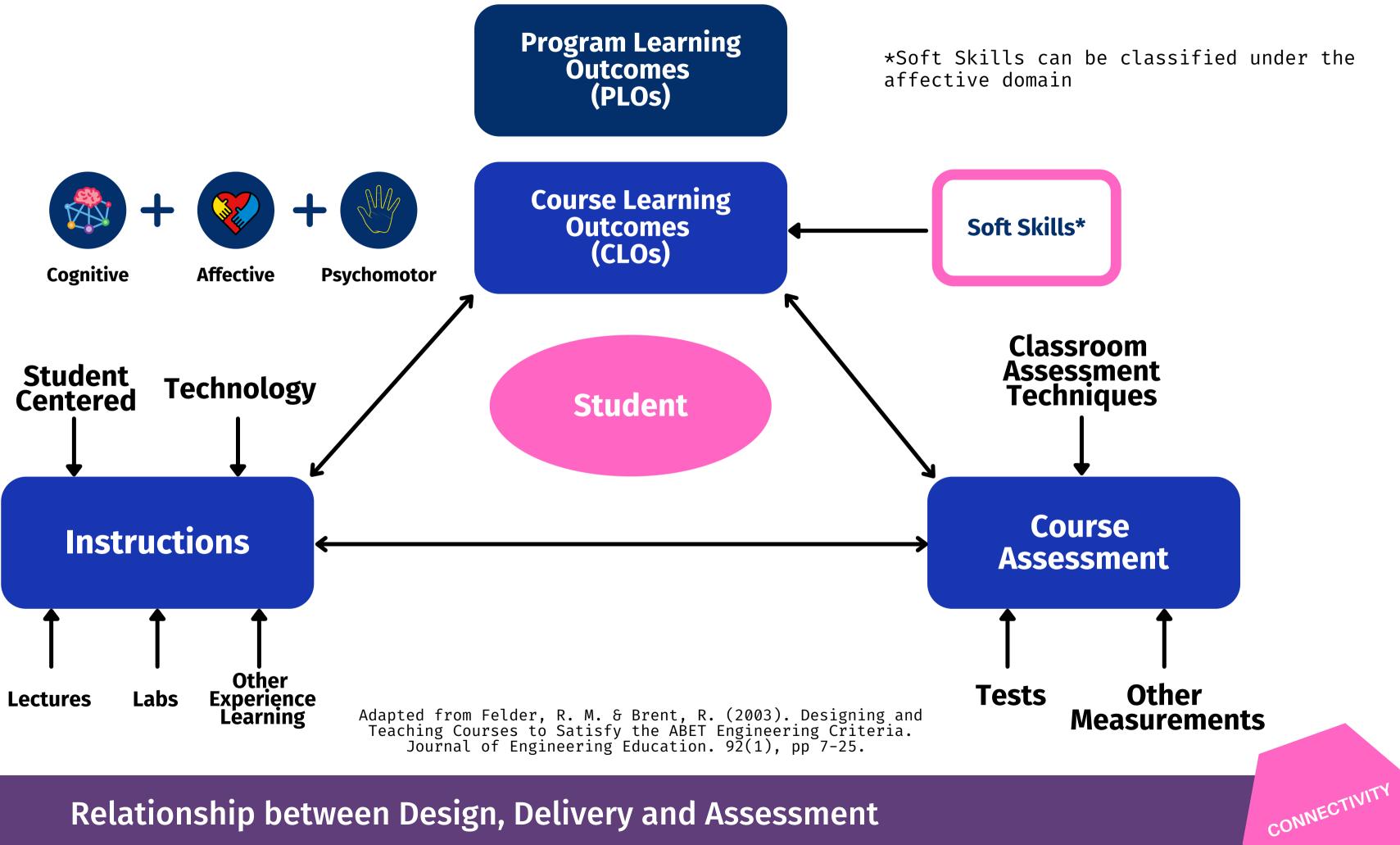
### The use of technology to support the delivery of assessment in which can tackle pedagogic issues of assessment

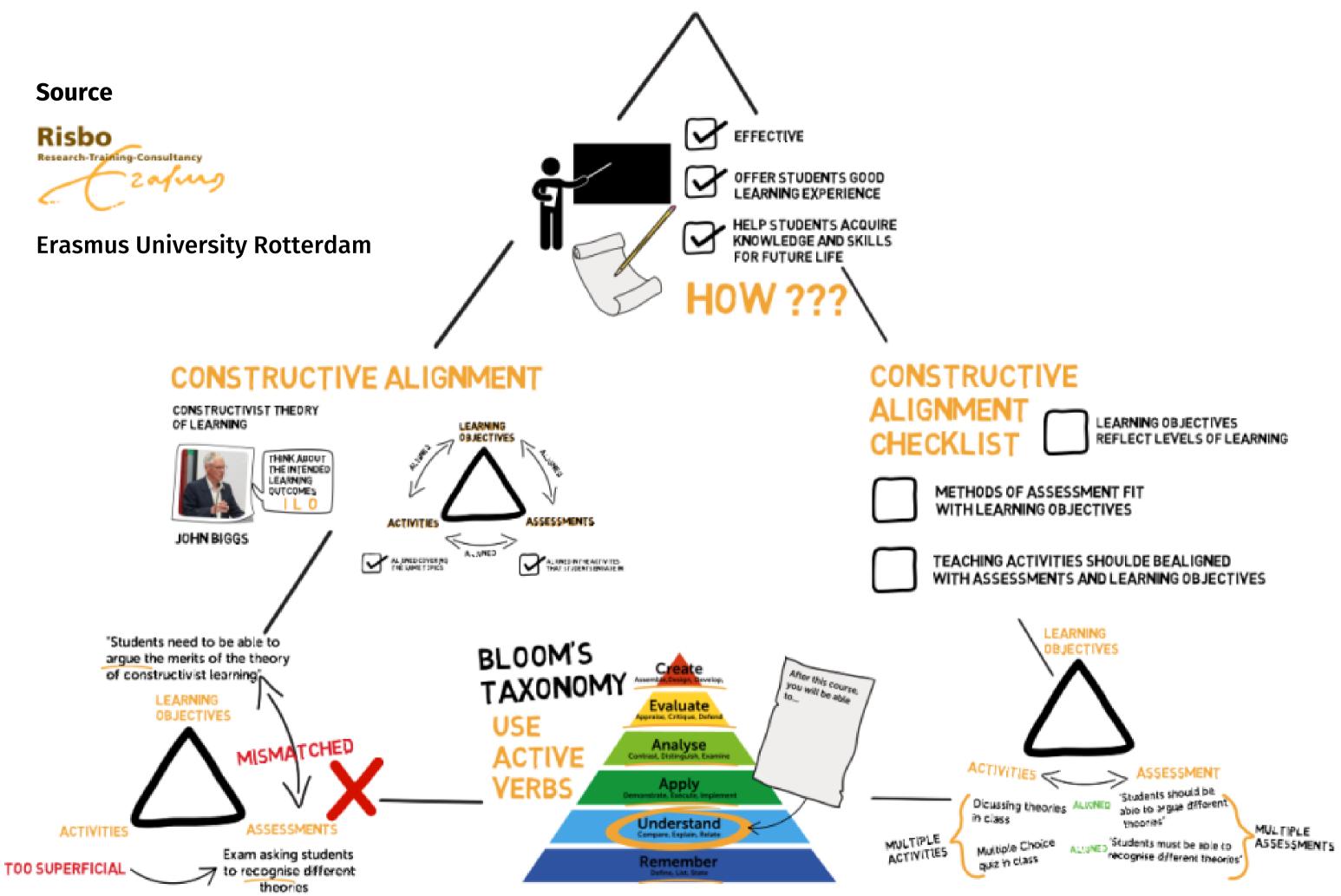
## Technology-Enhanced Assessment

TECHNOLOGY ENHANCED ASSESSMENT

#### **CHALLENGES**

'If you want to change student learning then change the methods of assessment.' (Brown et al.)







MQF 2.0 LOD	BLOOM'S TAXONOMY	EXAMPLES OF T&L DELIVERY STRATEGIES	EXAMPLES OF ASSESSMENT METHODS
Knowledge & Understanding	Cognitive (LOTS)	Lecture / Tutorial	Written Tests / Quizzes
Cognitive Skills	Cognitive (HOTS)	Case Study / Project / Tutorial / Group Work	Written Tests / Presentation / Essay / Case Study
Practical Skills	Psychomotor	Practical / Demonstration	Practical Tests
Interpersonal Skills	Affective	Case Study / Project / Tutorial / Group Work	Assessing how individual members of the group, lead the group to achieve Project/Group Work goals
Communication Skills	Affective	Case Study / Project / Group Work	Presentation (Individual) / Written Artefacts
Digital Skills	Affective	Case Study / Project / Group Work	Project / Portfolio (Individual)
Numeracy Skills	Cognitive (HOTS)	Case Study / Project / Tutorial / Group Work	Written Tests / Presentation / Essay
Leadership, Autonomy & Responsibility	Affective	Case Study / Project / Group Work / Industrial Attachment / Discussion	Assessing how individual members of the group, lead the group to achieve Project/Group Work goals
Personal Skills	Affective	Case Study / Project / Group Work	Project / Portfolio (Individual)
Entrepreneurial Skills	Affective	Case Study / Project / Group Work / Industrial Attachment / Discussion	Project / Presentation / Essay (Individual)
Ethics & Professionalism	Affective	Case Study / Project / Tutorial / Industrial Attachment / Discussion	Project / Presentation / Essay (Individual)

'Students can, with difficulty, escape from the effects of poor teaching, they cannot (by definition if they want to graduate) escape the effects of poor assessment.' (David Boud)

**PROCESS** 

# Assessment of learning

Assessments of learning are usually administered at the end of a unit or grading period and evaluate a student's understanding by comparing their achievement against a class or certain standard.

#### PROCESS

Sourrce https://www.pearsonassessments.com

# Assessment for learning

Assessments for learning are described as assessments as learning – assess a student's comprehension and understanding of a skill or lesson during the knowledge and teaching process.

#### A (Analysis)

- Align content to outcomes
- Anticipate learner's needs
- · Learning context and learning environment analysis
- · Current advances in the field
- · Community issues and challenges

#### D (Design and Deliver)

- · Design connectedness to knowledge, people, environment and the Creator
- · Design awareness to the world and workplace
- · Deliver in context contextual learning, real world
- · Deliver within a respectful learning environment

#### A(Assess)

- · Assess learning continuously with the purpose of improving learning
- Evaluate engagement, involvement and interaction with knowledge, people, and environment including respectfulness
- · Assess essential transversal skills

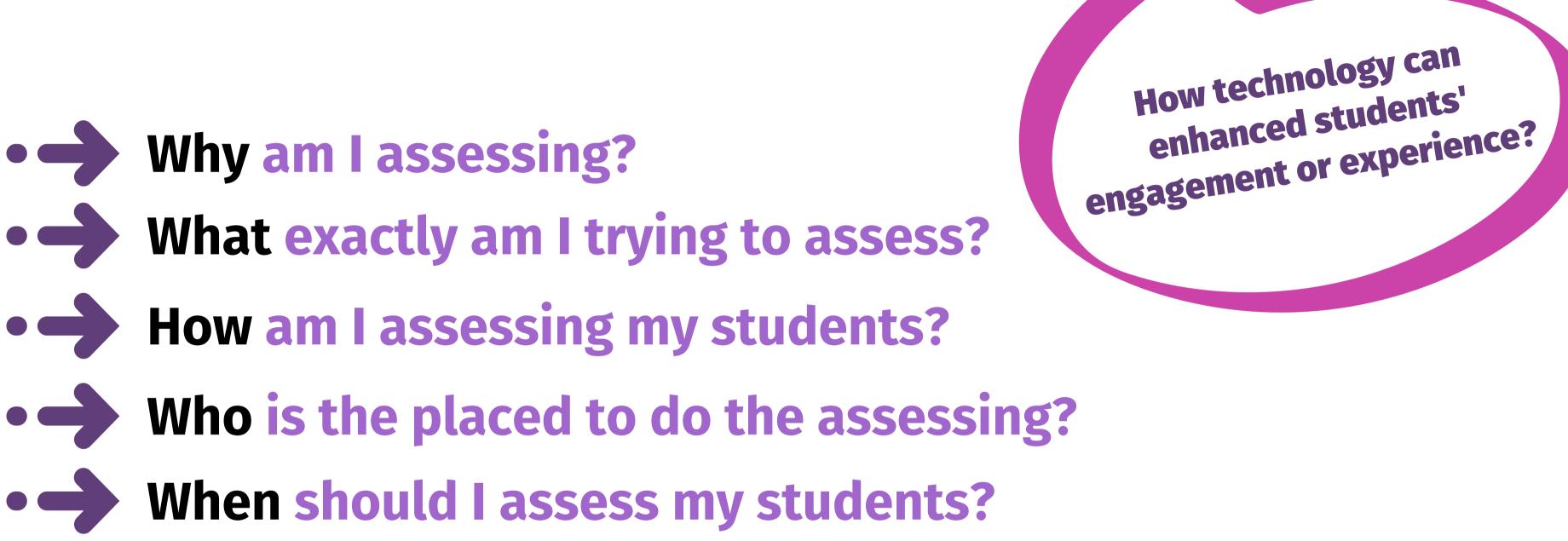
#### B (Build in Belief)

- Embed reflection
- Espouse values
- Engender strong conviction
- Enhance faith

#### Noraziah Alias, 2021

#### CONNECTIVITY

## **ASSESSMENT DESIGN**



Adapted from University of Reading, https://www.reading.ac.uk/engageinassessment/assessment-design/eiaassessment-design-main.aspx

CONNECTIVITY

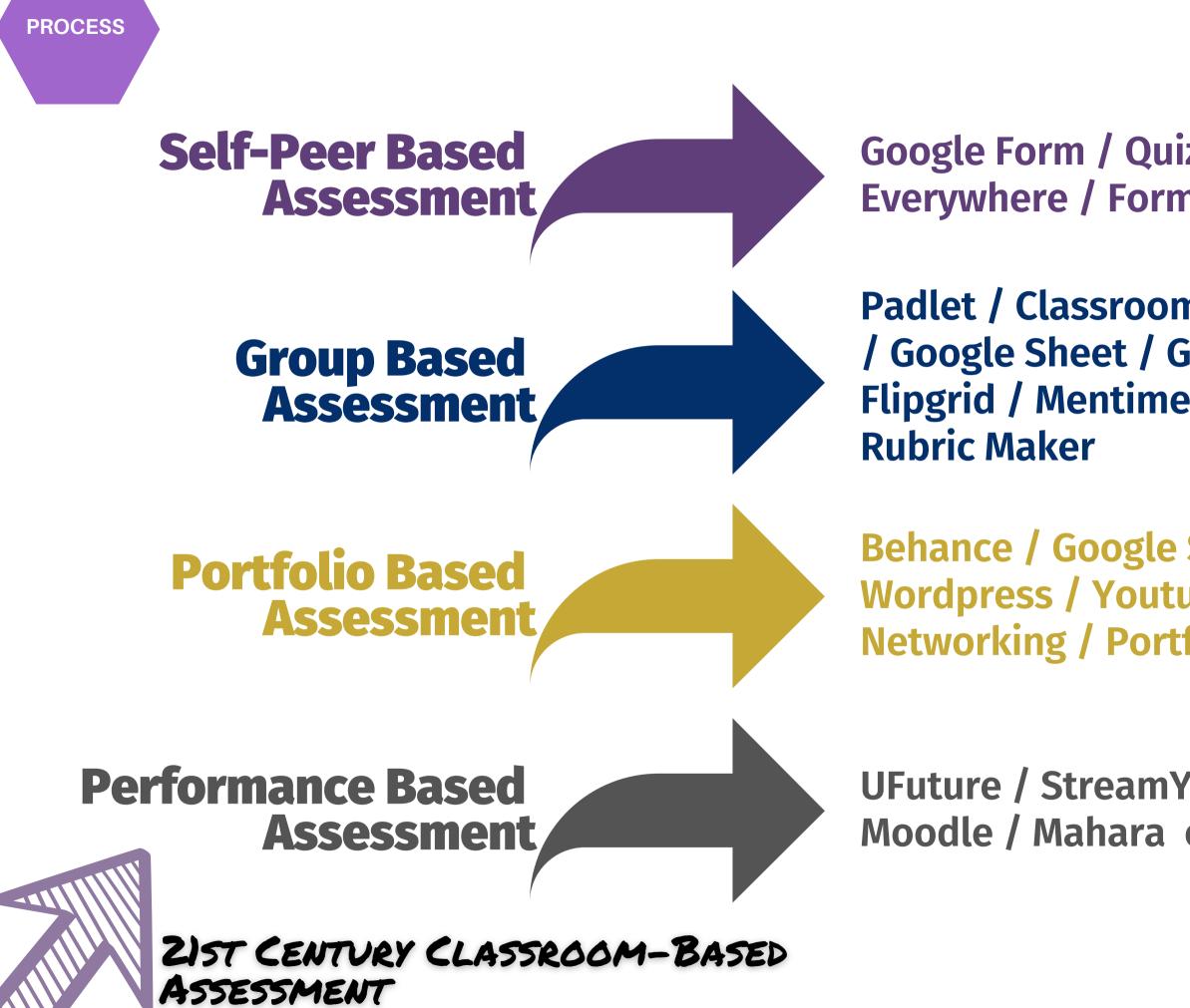
CONNECTIVITY

## **Example: Designing Assessment Instruction**

Situation	Describe the general context of
	Describe the specific situation
Tasks	Identify the task(s) that student
Action/	Explain, what students should
Activity	How students will do it?
	Why?
	Duration / Time / Length / SLT
Result	What was the outcome of this a
	What did you achieve?
	What did you learn?
Rubric	What is your analytical & holistic rub
Reflection	What is your diagnostic result

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of the activity that you were in ts needed to accomplish do? / SPT actions? oric



#### Google Form / Quizzizz / Kahoot / Socrative / Poll Everywhere / Formative / Slido / Turnitin

Padlet / Classroom / Trello / Google Keep / Google Docs / Google Sheet / Google Slide / Genially / Nearpod / Flipgrid / Mentimeter / Kumospace / MIRO / Trello /

Behance / Google Site / Wix / Weebly / Pathbrite / Wordpress / Youtube / Wiki / iTunes U / Social Networking / Portfolium / GitHub / MIRO

UFuture / StreamYard / Classroom / Schoolwork / LMS / Moodle / Mahara or any suitable application

# Synchronous Assessment

- Instant feedback
- Adjust instruction based on student responses
- Just-in-time support

Kahoot!

Quizlet

• Demonstrating knowledge

## formative

Quizizz

**socrative** 

Sourrce https://my.bulbapp.com/classroom-tips/the-greatassessment-debate-synchronous-vs-asynchronous/

# Asynchronous Assessment

- Flexible time to process
- Not as internet-dependent
- Built-in reflection time
- More focused on the process
- Can be collaborative
- Help demonstrate understanding more than knowledge

**l**future

You Tube



PROCESS

Google Classroom



schoology

# Example Sharing Session



## 2nd Virtual Townhall **A BETTER TOMORROW**

**Augmenting UiTM's Assessment & Evaluation Ecosystem** 

### **THANK YOU**

Unleashing Potentials Shaping the Future













اويټوسيني تيکولوکي مارا UNIVERSITI TEKNOLOGI MARA Bahagian Pentaksiran dan Penilaian Akademik

## Technology Enhanced Assessment in Higher Education

Distinguished Speaker :

TS NURZEATUL HAMIMAH ABDUL HAMID & TS SITI HAJAR AZNAM (CIDL Alternative Assessment & E-Portfolio)

> 30 SEPTEMBER 2021 AT 2.30 PM - 4.30 PM THURSDAY







