

THE DEMONSTRATION OF COMMUNICATIVE COMPETENCE THROUGH CALL

INTEGRATING ASSESSMENT BEYOND TESTING

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EF EDUCATION FIRST, ZÜRICH

*VI VALENCIAN WORKSHOP ON COMPUTER-ASSISTED
LANGUAGE LEARNING: GAMIFICATION AND COMMUNICATIVE
COMPETENCE*



UNIVERSITAT DE VALÈNCIA
[i18n] Facultat de Filologia, Traducció i Comunicació

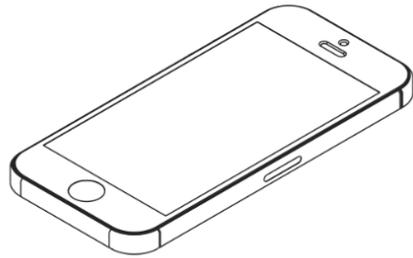


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ENTRY TEST

Go to **www.menti.com** and enter the code **46 11 63**



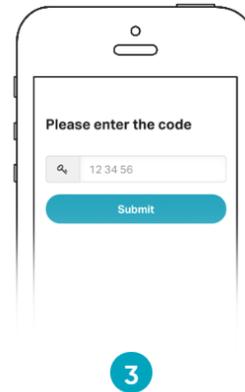
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Grab your phone

www.menti.com

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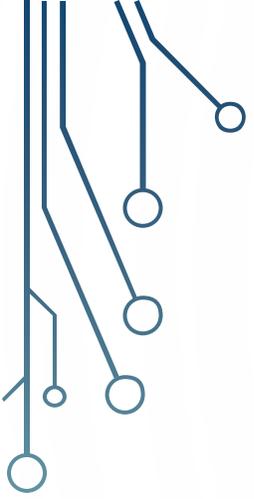
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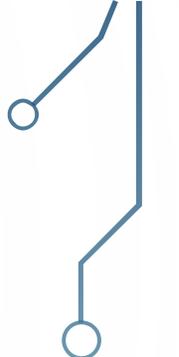
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Enter the code 63 07 3 and vote!

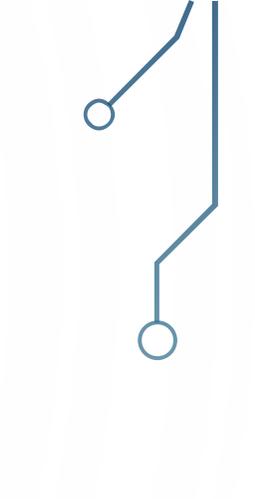
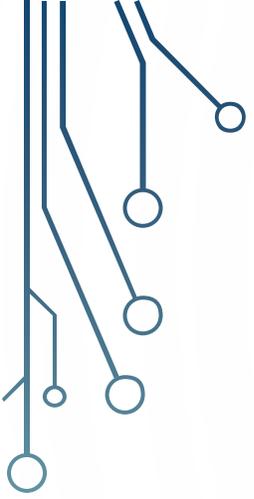




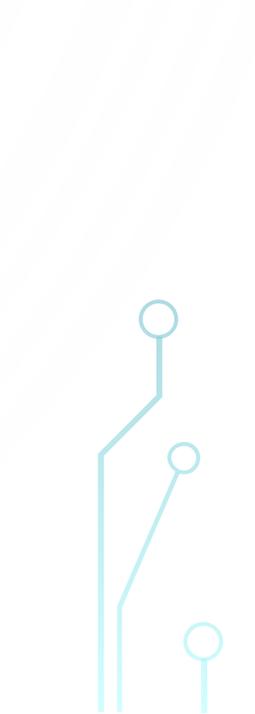
WHAT DID WE EXPERIENCE?

- Engagement & socialisation
 - Personalisation & segmentation
 - Washback – some of you learned two things there
 - This was not automated or stored (or was it?)
- 





HOW CAN WE TEST WITH TECH?

- Open class, gamified testing
 - Online Summative or Formative testing
 - Discrete Point Testing / Integrative Testing (Continual Assessment)
 - Analysing input or artefacts
- 
- 

HOW CAN WE TEST WITH TECH?

Overt Assessment

Covert Assessment



High stakes examination

Classroom quiz

Teacher monitoring

Kahoot!

Autocorrect

Automated grading emails

TEACHING ORIENTED ASSESSMENT

Write&Improve

Workbooks: All | Tasks: The big event | Checks: All

Check	Checked	Level
3	4 hours ago	A2
2	4 hours ago	A2
1	4 hours ago	A2

Task help: Level A2

Feedback: This is a good start. Now improve your writing. Read the feedback. Make changes and click Check again.

Did you write about the question? (5 is best)

0 1 2 3 4 5

I am really excited about Tedx in Krasnodar next week. It is long before I was in Russia and I linking people and food.

It was many problems to get visa and now I writing my script for talk. I dont like to write and learn a script.

I have make slides for my presentation but also I have technical problems so I lost some work. I have to make this one more time and finally to buy a plane ticket.

In association with Cambridge English

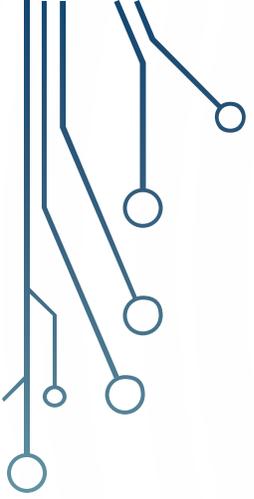
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Automated Scoring Technologies and the Rising Influence of Error
Cheville (2004)

Automated Writing Assessment in the Classroom
Warschauer & Grimes (2008)

Automated Writing Analysis for writing pedagogy: From healthy tension to tangible prospects
Cotos (2015)

Write&Improve (Cambridge English)



ADVANCED SPEECH RECOGNITION

"Technological innovation has revolutionized capability in assessing speech, making it possible to record, quantify, and score oral performances outside of live testing conditions."

"Test delivery and scoring of speech production [is possible] without any human intervention, achieved through both automatic speech recognition (ASR) technology, and an algorithmic score generator to optimize approximation to human ratings."

Isaacs (2018)



THE FACE OF AI CAPTURE

- Facial recognition
- Emotion AI / Affective computing
- ASR



“A system can tell when the child is excited about math or Poetry.

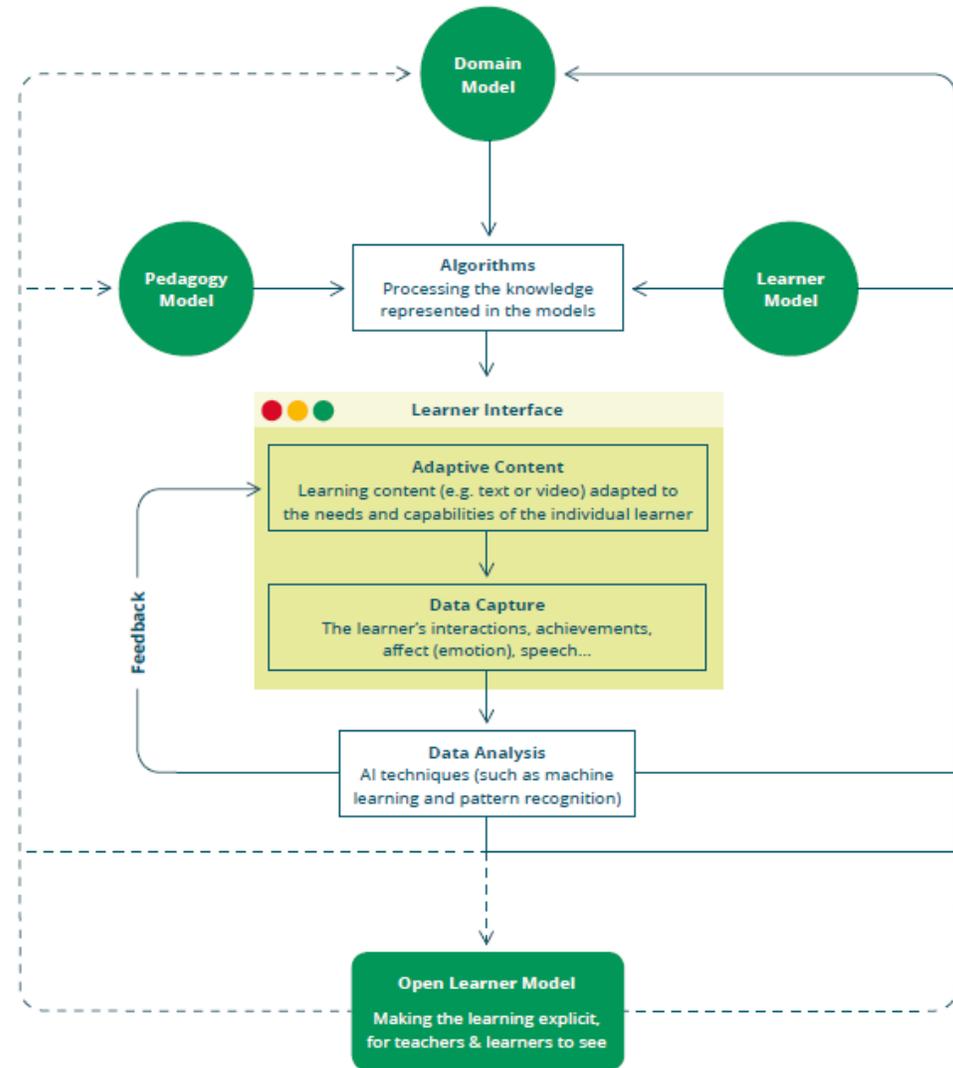
These AI systems could pick out geniuses from the countryside in the future. It can also create a student profile and know where the student got stuck so the teacher can personalize the areas in which the student needs help.”

Kau Fu-Lee, Wall Street Journal 2018

MACHINE LEARNING AI ED

UCL/PEARSON MODEL

Luckin, R., et al (2016), Pearson

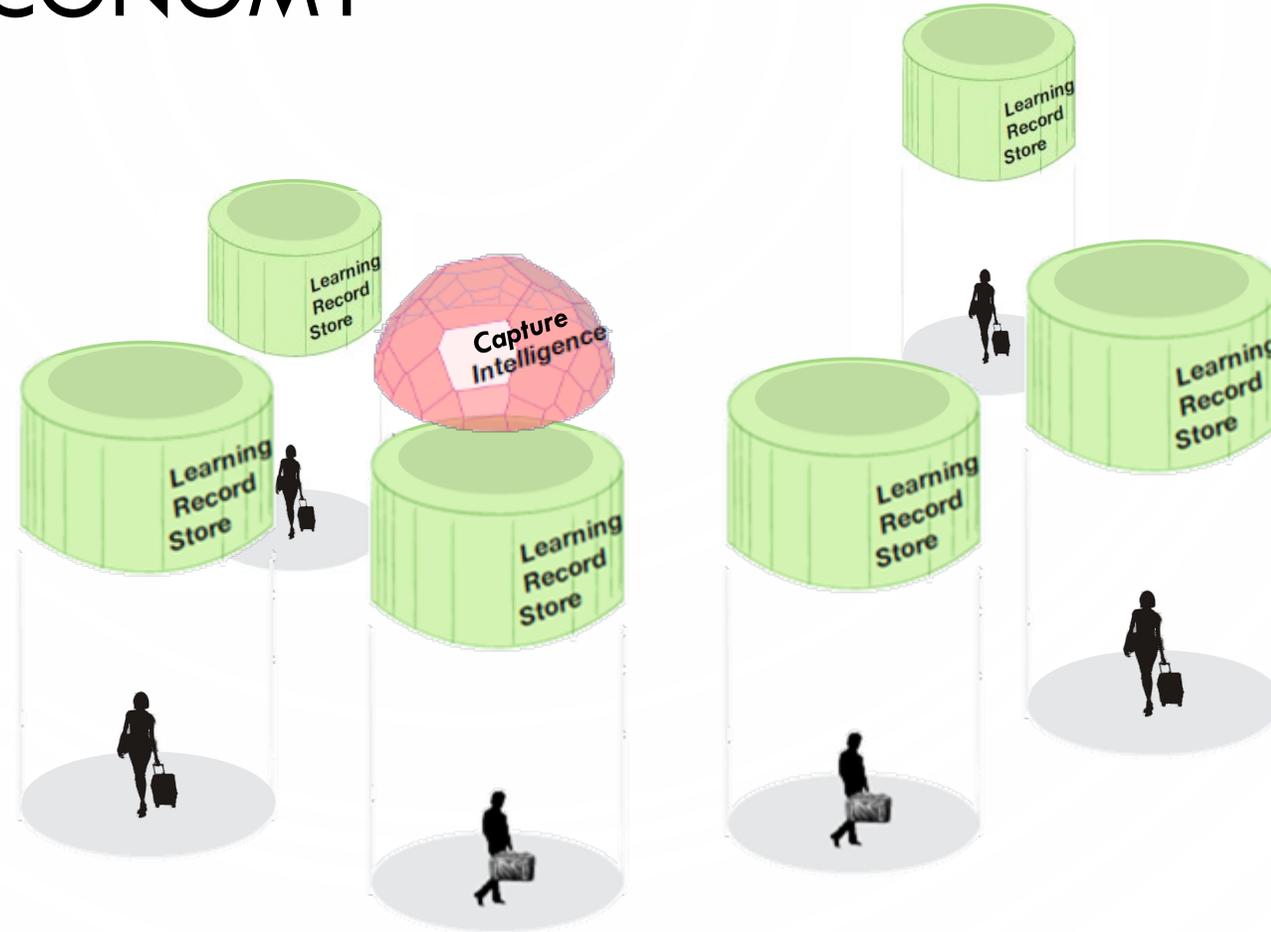


AIED Model-based adaptive tutor.

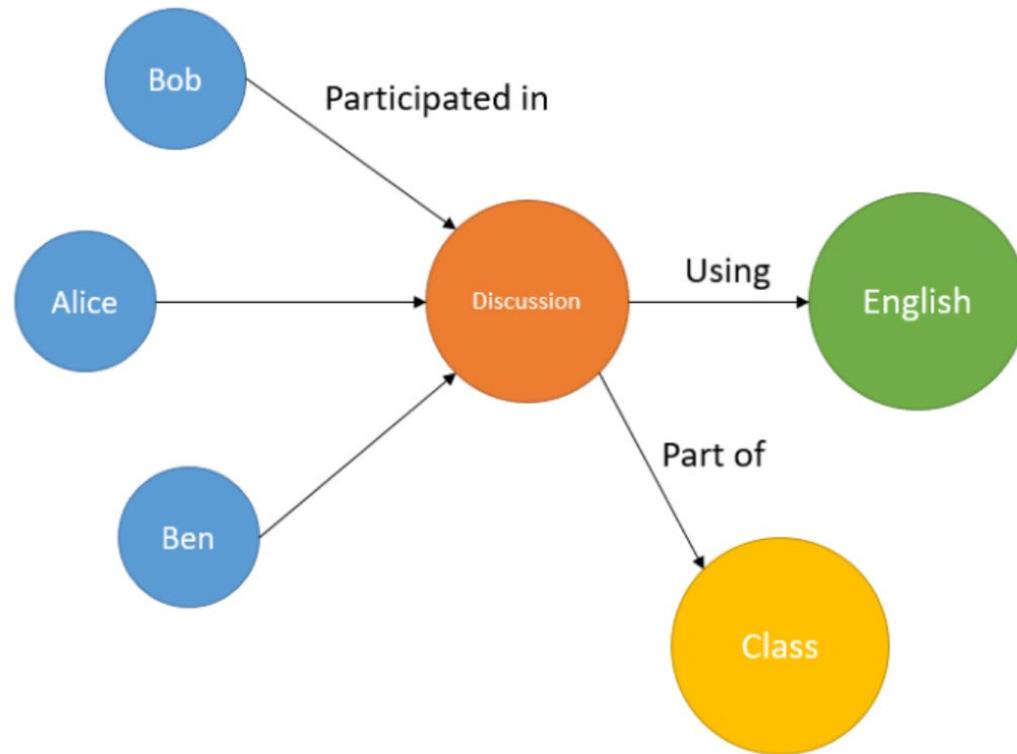
BUILDING A KNOWLEDGE MODEL



EXPERIENCE ECONOMY

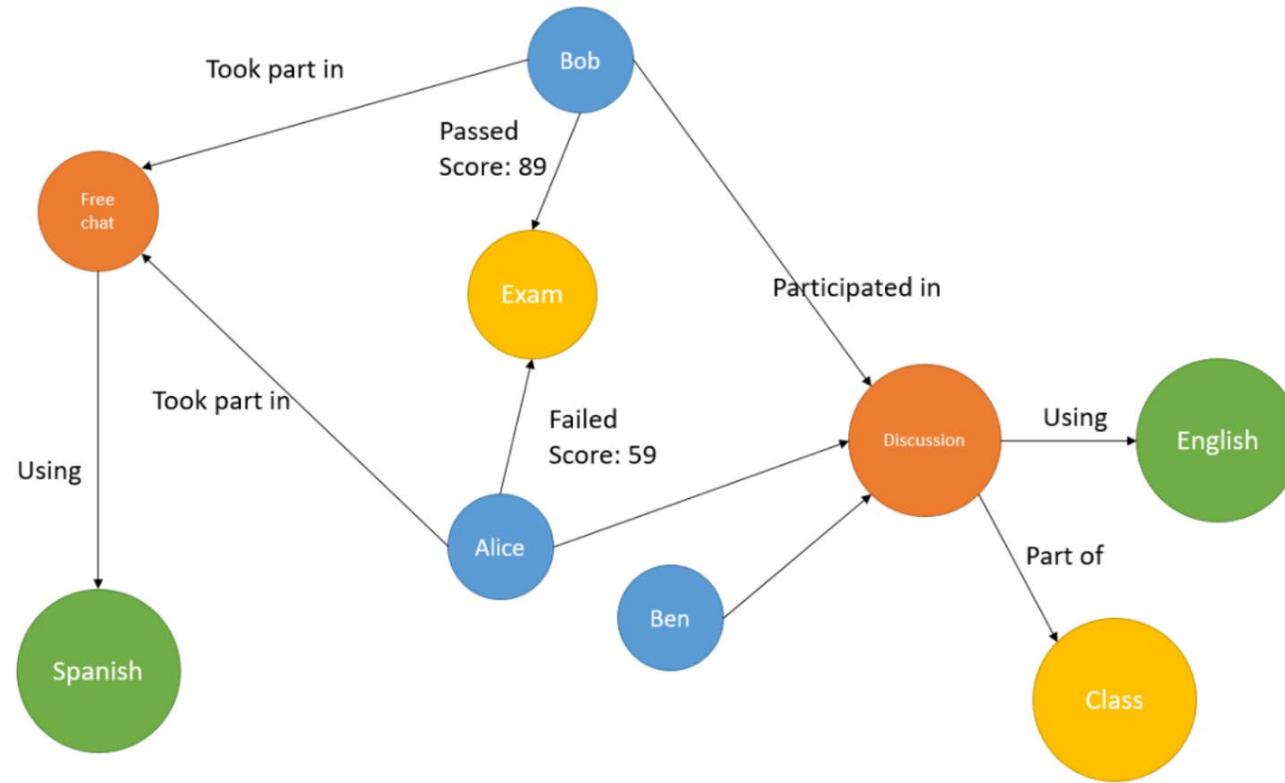


MAPPING STUDENT EXPERIENCE



Basic experience graph, Omaye (2017)

MAPPING STUDENT EXPERIENCE



Expanded experience graph, Omaye (2017)

EXPERIENCE API

Grammar of an xAPI statement:

<Actor (learner)> **<verb>** **<object>**, with **<result>**, in **<context>**

Example:

Bob verbally discussed **clothing**, with **basic participation**, in **a discussion (planning going out)**

CEFR (2018):

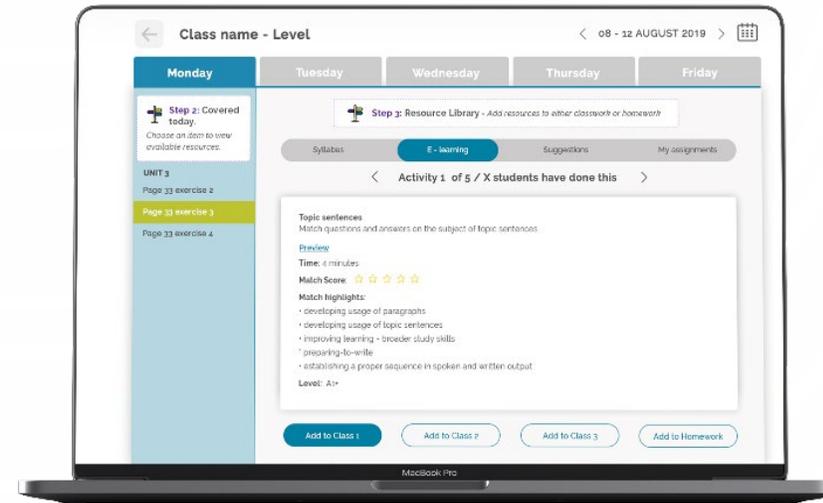
Can **give opinions on familiar topics (clothing)**, with **brief reasons and explanations**.

...in a discussion of options for an evening out

COMPETENCY MAPPING

DOMAIN MODELS

- CEFR
- Pearson Global Scale of English (GSE)
- Compass
- GEL
 - Syllabus matching
 - Performance tracking
 - LMS



GEL
GUIDED LEARNING

STUDENT INFORMATION SYSTEMS (SIS)

PowerSchool - 45 Million students in 70 countries



- 75% of US K-12 students

Gradelink - 1,300 independent schools worldwide

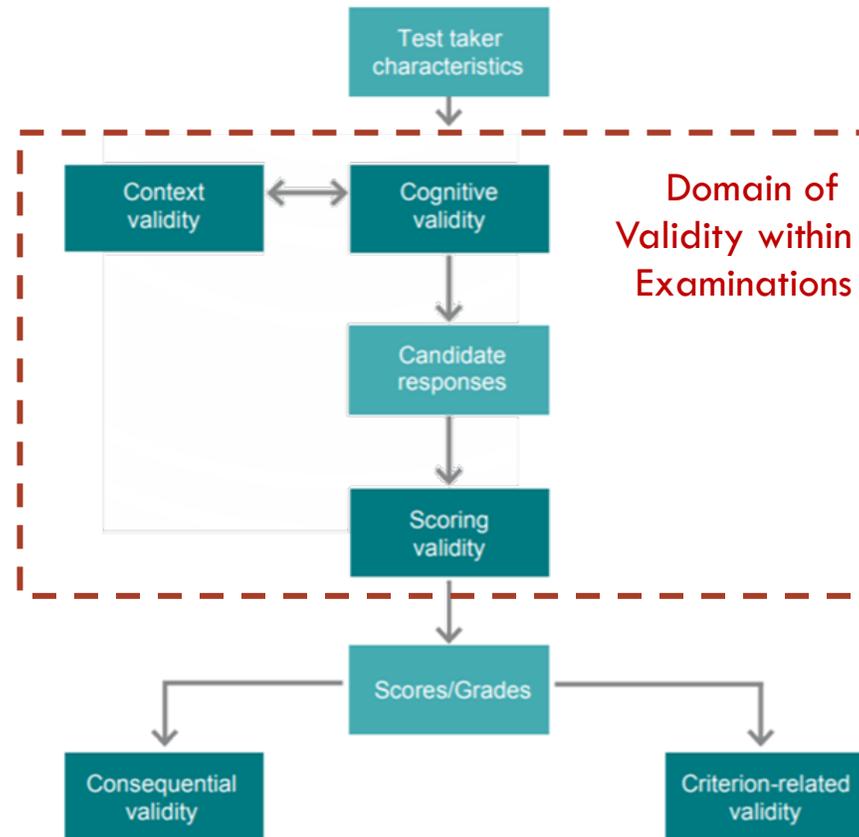


Standards Met Report					Standard Criteria ?			
ID	Standard	Status	Asmnt. Count	Pass Rate	Required	Current		
Class: English Language Arts 6					Standards met by class: 3 out of 34			
Writing					View Grades			
Text Types and Purposes					View Grades			
6.W.1	Write arguments to support claims with clear reasons and relevant evidence	Met	2/2	100%	# of Assignments	2	1	
6.W.1.a	Introduce claim(s) and organize the reasons and evidence	Met	2/2	100%	% of Students Meeting	85%	71.4%	
6.W.1.b	Support claim(s) with clear reasons and relevant evidence	UnMet	2/2	71%	6.W.2.a Student Average Min. 85%			
Production and Distribution of Writing					View Grades			
6.W.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to purpose, audience, and subject	UnMet	2/2	71%	Anthony, Susan B	100%	4	
6.W.5	With some guidance and support from peers and adults, use technology, including the Internet, to produce and publish writing	UnMet	1/2	71%	Earhart, Amelia	90%	4	
6.W.6	Use technology, including the Internet, to produce and publish writing	UnMet	1/2	71%	Earhart, Julie	100%	4	
Research to Build and Present Knowledge					View Grades			
6.W.7	Conduct short research projects to answer a question	UnMet	0/2	-	Hope, Bobby	80%	3	
6.W.8	Gather relevant information from multiple print and digital sources	UnMet	0/2	-	Lincoln, Abraham B	100%	4	
					Lisa, Mona	70%	2	
					Ziglar, Kyle	85%	3	

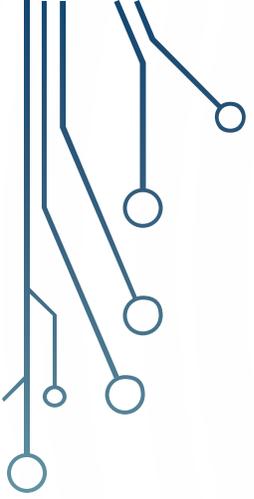
VALIDITY

“Validity is generally defined as the extent to which an assessment can be shown to produce scores and/or outcomes which are an accurate reflection of the test taker’s true level of ability.”

Cambridge Assessment (2016)

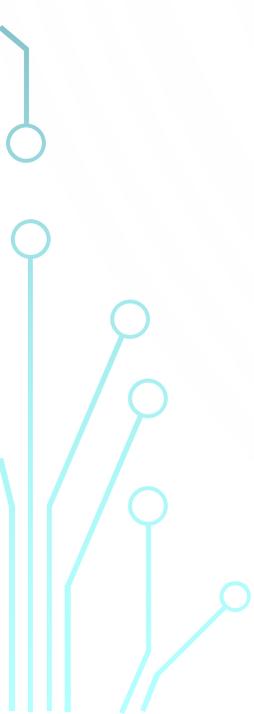
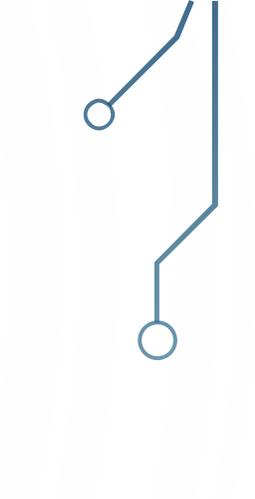
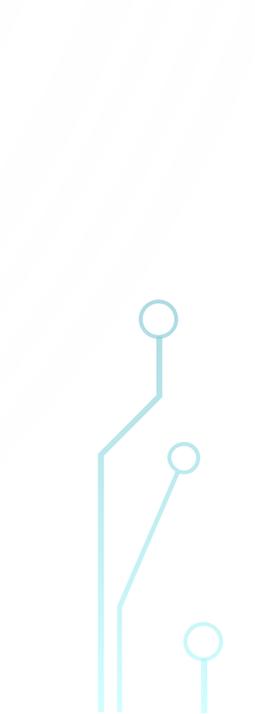


From: *Principles of Good Practice*, Cambridge Assessment (2016)



CALLS TO ACTION

INTEGRATION & NORMALISATION

- Considering what contribution to capture of learning experiences any systems or tools you produce
 - Open source of knowledge representation that can be accessed by different systems, learners and other stakeholders
 - Examination boards moving from applying standards in synthetic tests to examining or validating the burden of proof within an SIS
 - Tackling the ethics
- 
- 
- 

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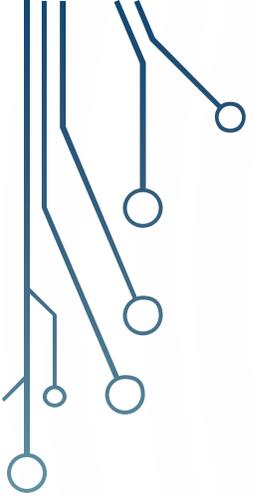
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Experience Api: www.adlnet.gov/wp-content/uploads/2013/10/

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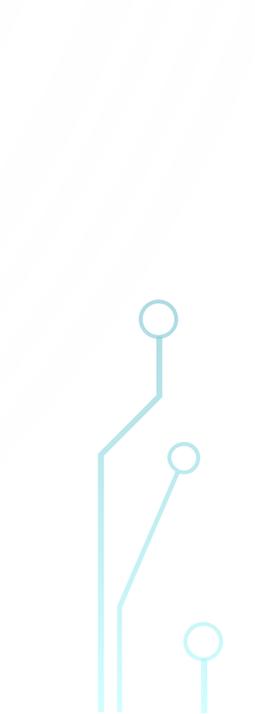
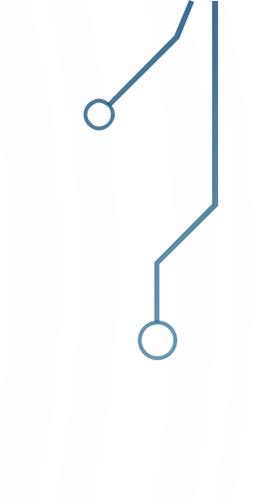
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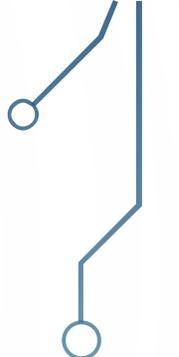
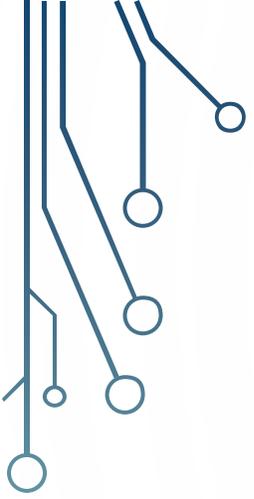
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A TECHNOLOGY ENHANCED JOURNEY

A STORY FROM DR ENIO OHMAYE

Imagine that you're a language student on the streets of London with a group of classmates. You're in an academic immersion game, and you and your classmates are roaming the streets, talking to Londoners and snapping photos in search of answers to clues. Before the game began, the system carefully selected your fellow team members based on profile data such as native language, common interests, past interactions, etc., so that you and everyone else would feel motivated to communicate with one another in English.

"I found it!" yells a teammate who takes a photo of the statue of Queen Anne. The system recognizes the photo as correct, adds points to the team, and you and your friends quickly move onto solving the next clue. After the game, the system suggests that your teacher focus on common language mistakes collected during the game.

