

AI is here to stay: What this means for our understanding of higher education teaching, learning and assessment

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RHODES UNIVERSITY
Where leaders learn



How many AI options are there?



DALL E2



SciSpace



Future?



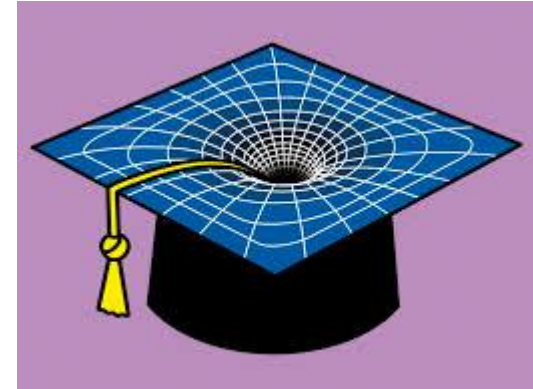
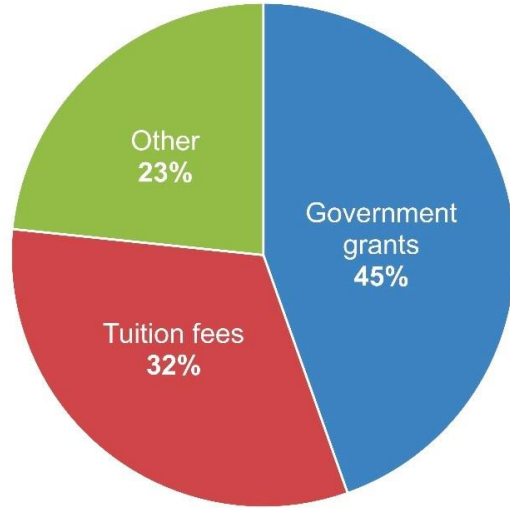
- By 2024, we are likely to see models that can cite external sources to back up their claims. Prototypes of that kind already exist.
- We will need to start reading about Large Language Models (LLM)
- What will assessment and more specifically writing look like in 2030

- Firstly, what is the purpose of HE?
- Secondly, what is the role of knowledge in HE?
- Thirdly, how do we assess knowledge?
 - How do we ensure academic integrity and prevent cheating?

● the purpose of HE?

Almost a third of higher education income is sourced from tuition fees

Breakdown of total revenue for South Africa's 26 higher education institutions in 2016 (Total: R67,4 billion)



Source: Financial statistics of higher education institutions, 2016

- the role of knowledge in HE?

Paul Ashwin that argues a **university education should transform students by the knowledge** they are **studying** and change their **understanding** of **themselves** and the **world around them** and their **place in the world**

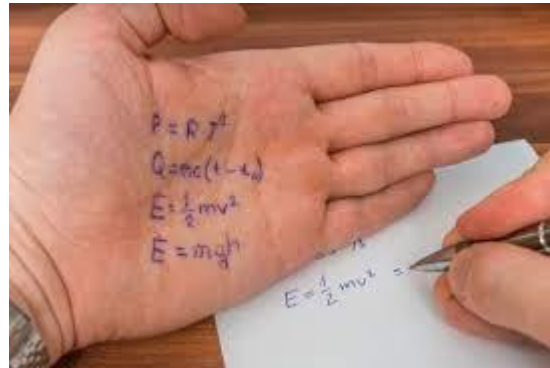


Standard Assessment Paradigm

Test, exams - mcq's, essay etc

1. Snapshot of learning which inauthentic
2. Assess a obsolete skill
3. Artifact as a proxy for learning

- AI and assessment



What can we do?

University education is about creating a transformational relationship with powerful knowledge.

- What does that look like in your discipline? No one size fits all
- Multimodal assessment
- Authentic assessment strategies
- Use of AI in some were appropriate
- Knowing change will happen it is inevitable

Self awareness

Epistemic assessment framework.

Category	Example	Kind of knowledge
Vocabulary	information which must be learned	knowing the fact
Simple procedure	give reagent/product /starting material	knowing how
Complex procedure	known mechanism	
Principle	fill in the gaps on a new mechanism	knowing why
New Problem	application of knowledge to a new scenario	powerful knowledge

Blackie, *Foundations of Chemistry*, 2022

Join the online event on university responses to AI

HELTASA



HIGHER EDUCATION LEARNING & TEACHING ASSOCIATION OF SOUTHERN AFRICA

Digital Dialogue Series Invitation: How are institutions responding to AI?

The HELTASA Digital Learning and Teaching Project Team will be hosting the second digital dialogue of 2023 on Wednesday 24th May 12:00 – 13:30. We would like to continue our conversation started during the first dialogue on how to respond to AI in higher education. This time we would like to focus on how institutions are responding or planning to respond. We will invite three presenters to discuss with us the following questions:

<https://heltasa.org.za/digital-dialogue-series-invitation-how-are-institutions-responding-to-ai/>