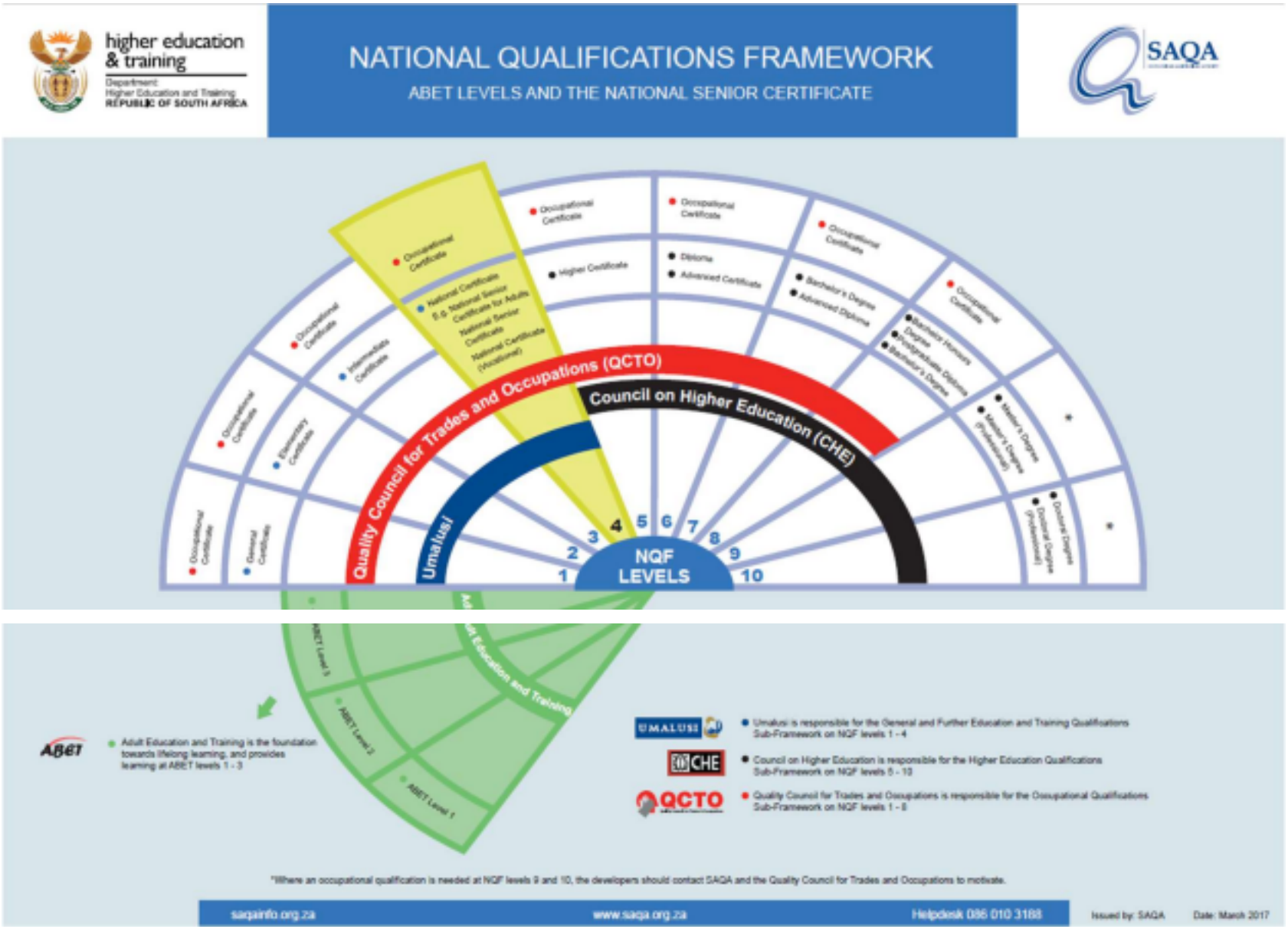
UNIVERSITEIT VAN PRETORIA



a. demonstrate integrated knowledge…of one or more fields…
b. evaluate types of knowledge and explanations typical within the area of study or practice… c.

demonstrate an understanding of a range of methods of enquiry…

d. demonstrate the ability to identify, analyse, evaluate, critically reflect on and address complex problems, applying evidence-based solutions…e. demonstrate the ability to take decisions and act ethically and professionally…f. demonstrate the ability to develop appropriate processes of information gathering… g. demonstrate the ability to develop and communicate his or her ideas and opinions in well-formed arguments… h. demonstrate the ability to manage processes in unfamiliar and variable contexts…

We are mandated to deliver students who are i. demonstrate the ability to identify, evaluate and address his or her learning needs in a self-directed manner…

able to:

j. demonstrate the ability to take full responsibility for his or her work, decision-making and use of resources…

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Indiscriminate use of Generative AI attacks i. ~~demonstrate the ability~~

~~to identify, evaluate and address his or her learning needs in a~~ self-directed manner…

each one of the NQF Level Seven Descriptors: j. ~~demonstrate the~~

~~ability to~~ ~~take~~ full responsibility for his or her work, decision-making and use of resources…

Essay writing task instructions – no plagiarism of the class – AI detection tool is not yet • Motives – time, insecure about writing skills, • Second chances – read and assess your

Been there, done that, bought the T-shirt…

and no AI

Between 30-100% AI was detected in 23.6%

guaranteed

Conducted 47 interviews with these students:

support understanding, summarise conclusion or write me an introduction

own task and pay special attention at being critical of exactly what AI dished up for you…

The essence of good information layout resides inside the mosaic of user choices. To accommodate the unique characteristics of each user archetype, a comprehensive strategy is required, where categories, filters, and search features work together to ensure a seamless and inclusive experience. The task at hand involves more than just the arrangement of data; it entails coordinating a smooth and harmonious interplay between the user's intention and the system's reaction, guaranteeing that each interaction is infused with a feeling of intuitive elegance.

“I cannot believe I did not see how ridiculous this sounds within the context of the assignment task”

However, in the midst of this optimistic outlook, there are concerns that arise as customers navigate through a vast amount of information in order to discover the elusive pieces of relevance. This situation indicates a possible weakness in EK's current categorization and classification system, emphasising the immediate requirement for recalibration.

“Why do I sound so dramatic? I am so embarrassed

that I did not see what rubbish this is."

- biased,
- distorted,
- partial,
- uninformed or
- down-right prejudiced.

The Problem: Everyone thinks but our thinking is…

Critical thinking: Paul-Elder Critical Thinking Framework

Shoddy thinking is costly..

Excellence in thought must be systematically cultivated.

A Definition:

Critical thinking is the art of

analysing and evaluating thinking with a view to improving it.

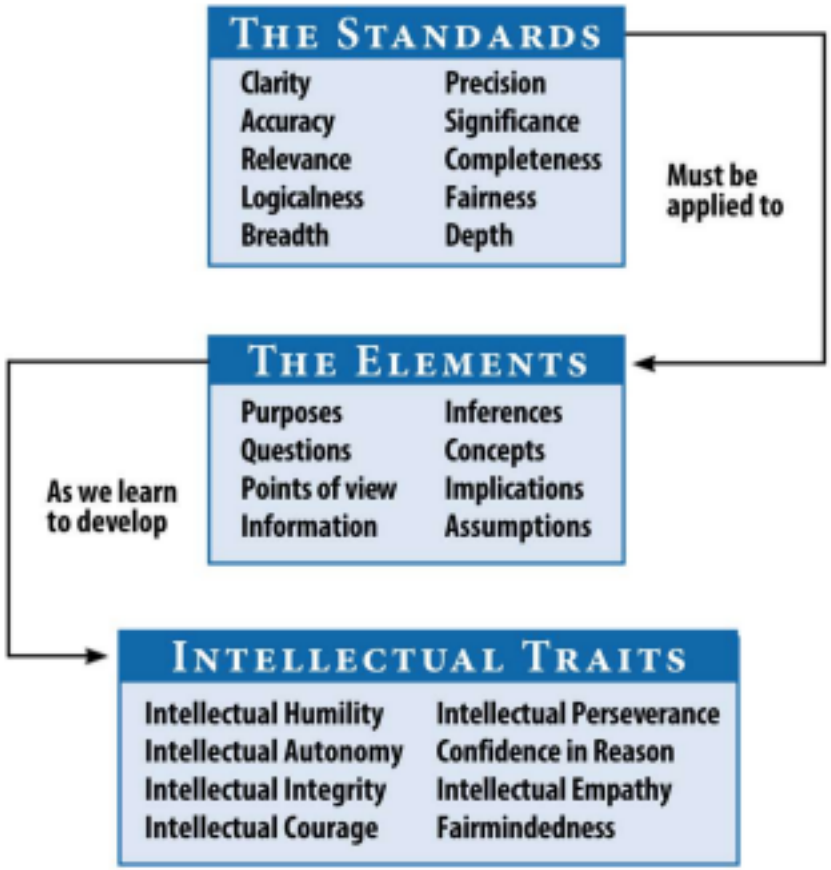
- raises vital questions and problems,
- gathers and assesses relevant
- comes to well-reasoned conclusions and
- thinks open-mindedly within alternative

The Result:

Critical thinking: Paul-Elder

- communicates effectively with others in

Critical Thinking Framework



A well cultivated critical thinker: formulating

them clearly and precisely;

information, using abstract ideas to interpret it effectively;

solutions, testing them against relevant criteria and standards;

systems of thought, recognizing and assessing, as need be, their assumptions, implications, and practical consequences; and

figuring out solutions to complex problems

- Gerlich, M. AI Tools in Society: Impacts on Cognitive Offloading and the Future of Critical Thinking.

Cognitive offloading, critical thinking and AI use

- Paul-Elder Critical Thinking Framework

Societies 2025, 15, 6.
https://doi.org/10.3390/soc15010006

Critical thinking, AI use and interpretation questions

- Cognitive offloading = delegating tasks ~~to ex~~ternal s~~ystem~~s to enhance cognitive c~~apacit~~y for more

Direct correlation between regular AI use, cognitive offloading and critical thinking

skillsWhat we expect to see…

17-25 years old

46 and older

complex and creative tasks

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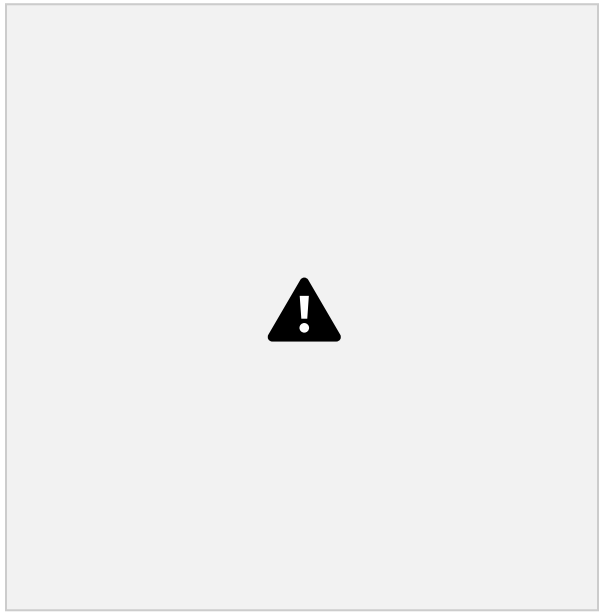
Reprimanded 3rd year student that [almost] got away with AI abuse as an Hons student…

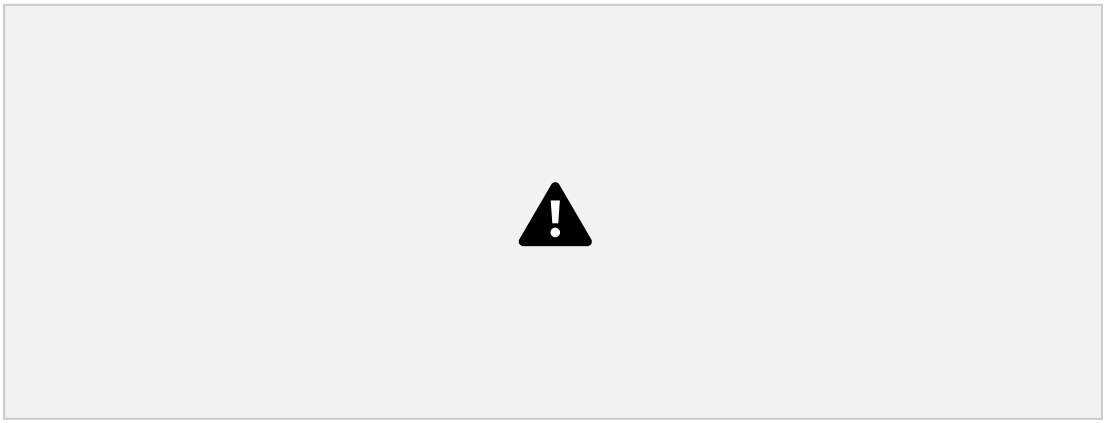
5. Calof, J. (2017). Competitive intelligence: A practitioner, academic and interdisciplinary perspective. *Foresight, 19*(1), 3-17. https://doi.org/10.1108/FS-02-2017-0003
6. Calof, J., Richards, G., & Santilli, P. (2017). Competitive intelligence: A multidisciplinary approach. *European Journal of Intelligence Studies, 9*(2), 89-104. https://www.ejist.ro/
7. Calof, J., & Wright, S. (2021). Competitive intelligence: Measuring and refining the practice. *Journal of Competitive Intelligence and Management, 8*(2), 1-14. https://ojs.hh.se/

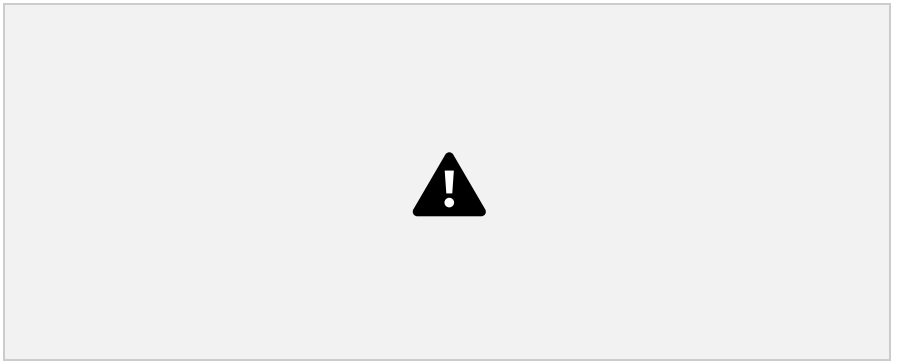
15. Fleisher, C. S., & Wright, S. (2016). Competitive intelligence analysis: A best practice approach. *Journal of Intelligence Studies in Business, 6*(1), 15-29. https://ojs.hh.se/index.php/JISIB/article/view/181



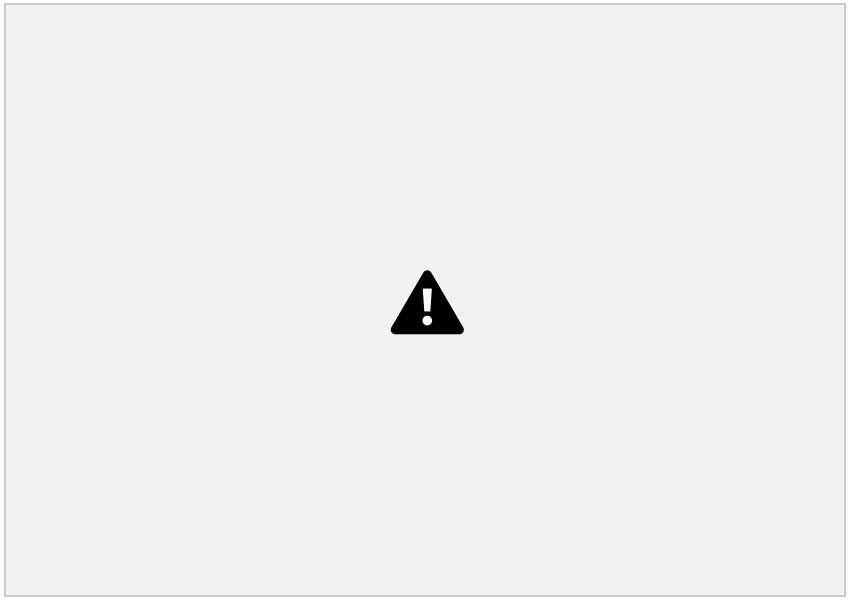
13. Du Toit, A. S. A. (2016). Using competitive intelligence to enhance the entrepreneurial process. *Journal of Intelligence Studies in Business, 6*(2), 24-32. https://ojs.hh.se/index.php/JISIB/article/view/220

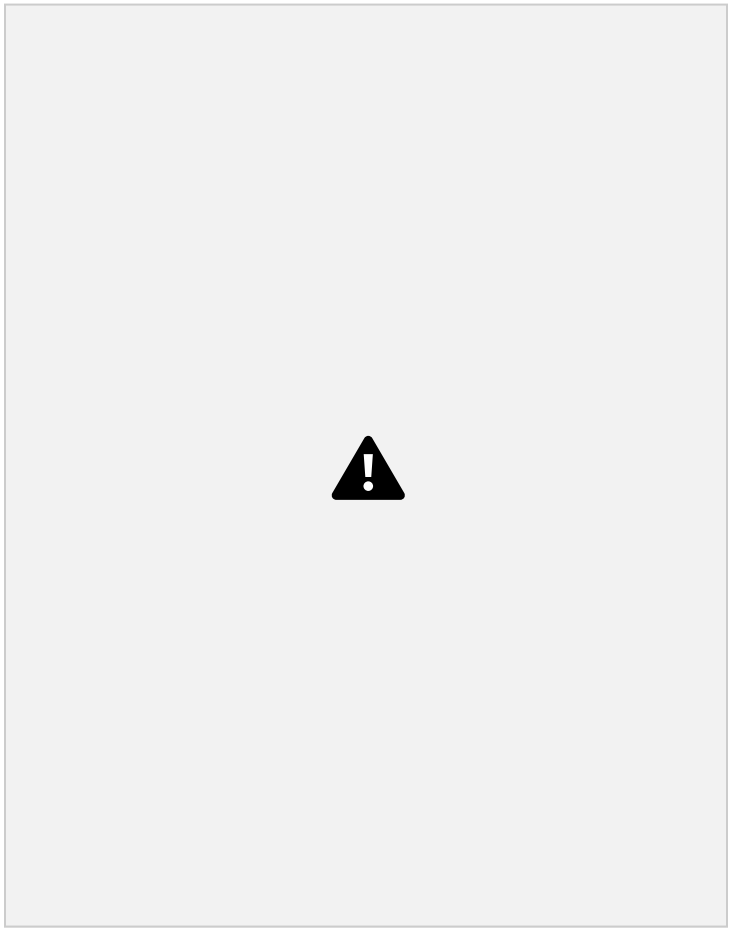
Reprimanded student that got away with learning through a second chance…

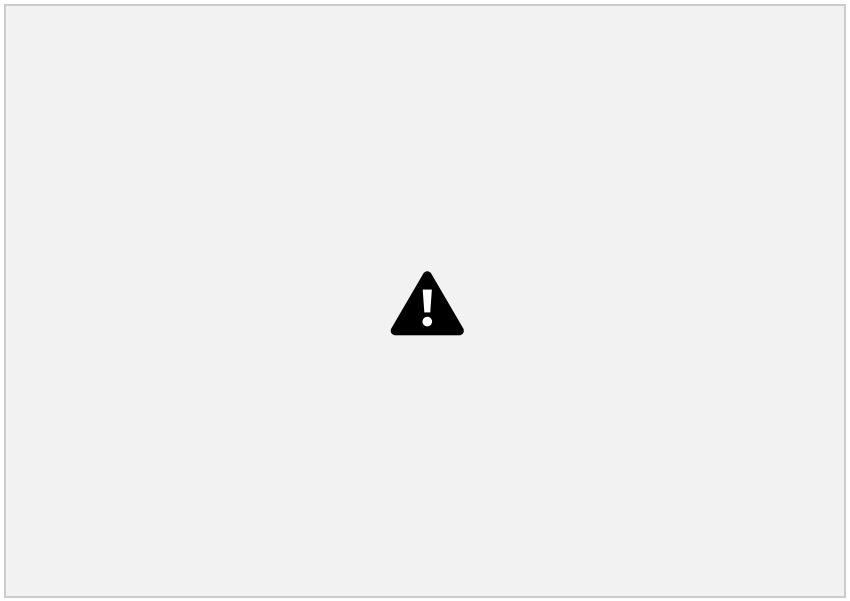




What you resist…persists





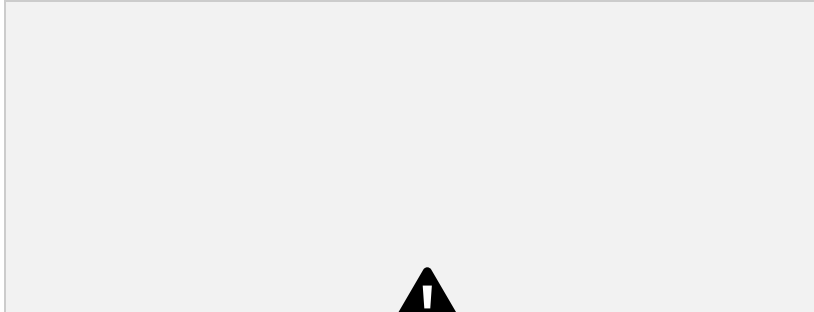


• Test AI, use it, know what it can • LLM-as-a-judge • Fair use: cite it as a source

What you resist…persists

• Use it to teach critical thinking and can’t yet do

“Describe the symbolism of the green light in the book The Great Gatsby by F. Scott Fitzgerald” prompt. ChatGPT, 13 Feb. version, OpenAI, 8 Mar. 2023, chat.openai.com/chat.



skills