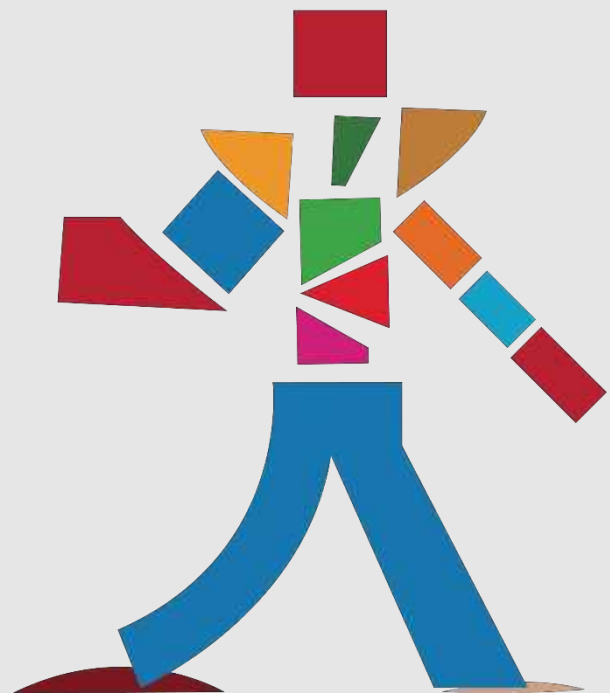




# “人工智能时代的高等教育变革” 国际网络教育学院 (IIOE) 全球伙伴峰会

Transforming Higher Education in the Age of AI IIOE Global Partners Summit



# 一级标题

## *Enhancing Student Experience and Learning through AI Literacy*

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## AI Literacy



What is it?



Why is it important?



Strategies for supporting AI literacy

# What is it???



AI literacy is a **part of the broader concept of digital literacy** (Ng et al., 2021).



“**[A] set of competencies** that enables individuals to critically evaluate AI technologies; communicate and collaborate effectively with AI; and use AI as a tool online, at home, and in the workplace.” - <https://aiunplugged.lmc.gatech.edu/>



And in EDUCATION!

# Why is it important?

As with digital literacy,  
AI literacy can help  
people in their  
education, everyday  
life and work.

Essential – part of  
being an informed,  
critical citizen.

# 一级标题

- Know and understand AI
- Use and Apply AI
- Evaluate and Create AI
- (AI ethics)

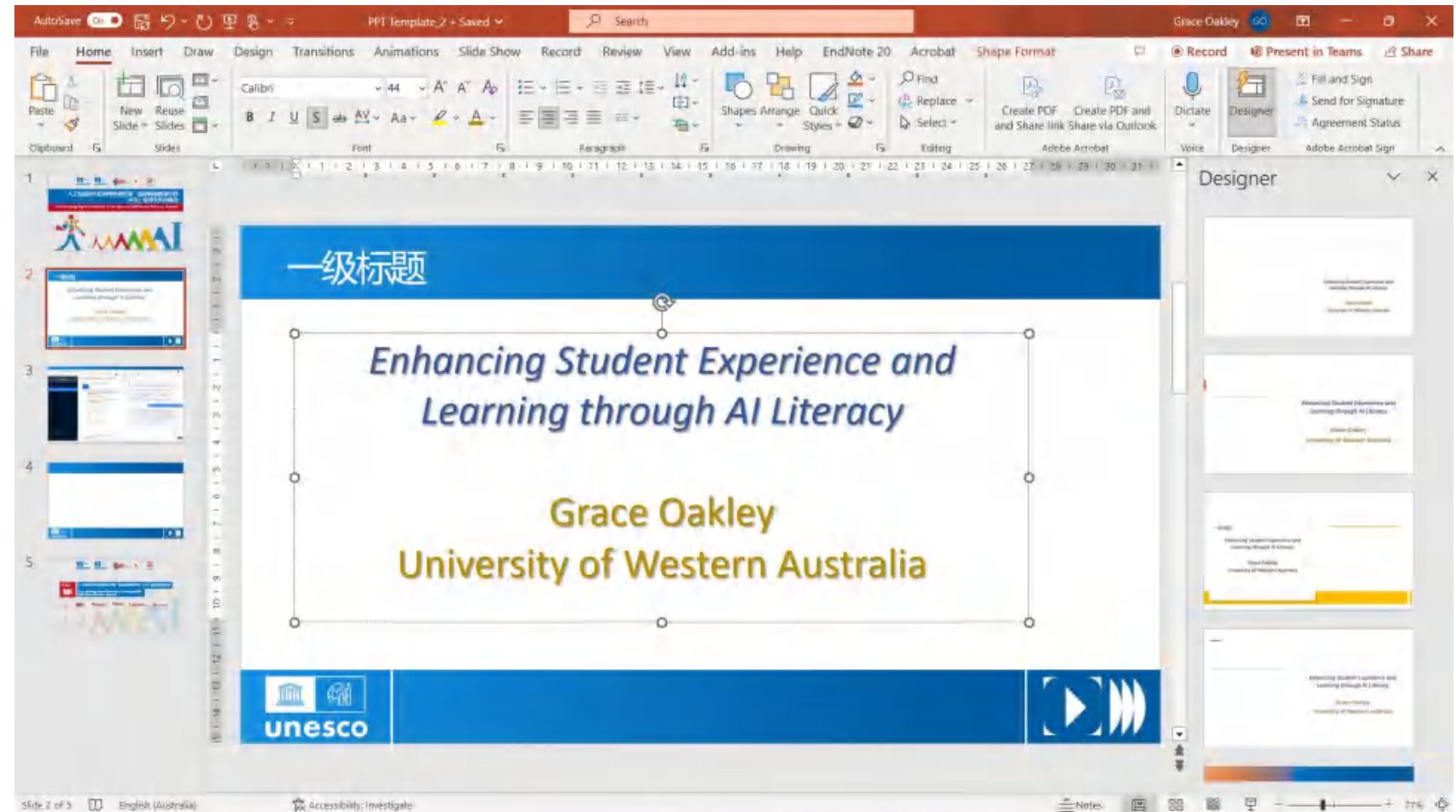
Ng et al. (2021)

# Know and Understand AI

What does it do?  
Where can I find it? (and where is it  
hidden?)  
How does it work?  
How does it learn?  
How is it created?

## Know where AI is at

AI has often  
been  
somewhat  
invisible to  
people,  
although  
ChatGPT has  
drawn  
attention to it  
more recently.



# Use and Apply AI

1. Writing great prompts for e.g. Chat GPT

See <https://openai.com/blog/teaching-with-ai>

2. Using the AI “tools of the trade” or profession

3. Using AI to learn



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# AI powered coaching

The screenshot shows a web browser with three tabs: 'Intranet - Home', 'LinkedIn Learning: Online Course', and 'AI-Powered Coaching'. The address bar shows 'linkedin.com/learning/chatbot?u=2213369'. The browser's bookmark bar includes 'Managed bookmarks', 'ABLE Staff - GSE H...', 'ALEA LC/SD Financi...', 'VitalSource: Instruc...', 'Funding Discovery |...', 'UWA blogs', 'UWA Intranet Share...', 'Thematic Analysis |...', and 'Power BI'. The LinkedIn Learning interface features a left sidebar with navigation options: Home, AI Coaching (selected), Browse, Business, Creative, Technology, The University of Western Australia, My Learning, My Library, My Goals, Hands-On Practice, Certifications, Office Hours, and Settings. The main chat area displays a user query: 'how can i improve my time management?'. The AI response, from a character named Grace, suggests using a planner to manage tasks and provides an example of balancing curriculum development and academic administration. It also offers to provide more personalized advice based on the user's institution. Below the response are links to 'Learn more:' with titles like 'Handling the inefficiency of others' and 'Other classic time management tips'. At the bottom, there is a text input field labeled 'Write a response...' and a disclaimer: 'This experience is powered by AI and mistakes are possible. Please be sure to verify information before relying on it. To understand terms that apply to the data you input with this feature Learn More Here'.

Intranet - Home x LinkedIn Learning: Online Course x AI-Powered Coaching x

linkedin.com/learning/chatbot?u=2213369

Managed bookmarks ABLE Staff - GSE H... ALEA LC/SD Financi... VitalSource: Instruc... Funding Discovery |... UWA blogs UWA Intranet Share... Thematic Analysis |... Power BI All Bookmarks

in Learning

What do you want to learn today?

Home

AI Coaching

Browse

Business

Creative

Technology

The University of Western Australia

My Learning

My Library

My Goals

Hands-On Practice

Certifications

Office Hours

Settings

how can i improve my time management?

Grace, as Deputy Dean, I understand that you may have a lot on your plate. One idea that could help with managing your time better is using a planner. This will allow you to prioritize tasks and allocate your time more efficiently. For example, you can block out specific times for meetings, curriculum development, academic administration, etc. This will help ensure that all important tasks are completed in a timely manner.

Here's an example: For instance, if you have to balance curriculum development and academic administration in your role as Deputy Dean, using a planner can help you stay organized. You can block out specific times for each task based on their priority level.

To provide more personalized advice, could you tell me more about the size of your institution and how it affects your daily work?

Learn more:

[Handling the inefficiency of others](#) taught by Dave Crenshaw

[Other classic time management tips](#) taught by Todd Dewett, PhD

Write a response...

This experience is powered by AI and mistakes are possible. Please be sure to verify information before relying on it. To understand terms that apply to the data you input with this feature [Learn More Here](#)



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feedback on  
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# Your AI feedback partner in

Poised is your magical AI assistant for better meetings. Prepare with personalized suggestions, speak confidently with real-time feedback and track your progress over time. Private feedback only you can see.

Acme Inc. - Weekly Update

May 30, Tuesday 9:30 AM - 30m 9

Get Ready Feedback Summary Transcript

Performance metrics

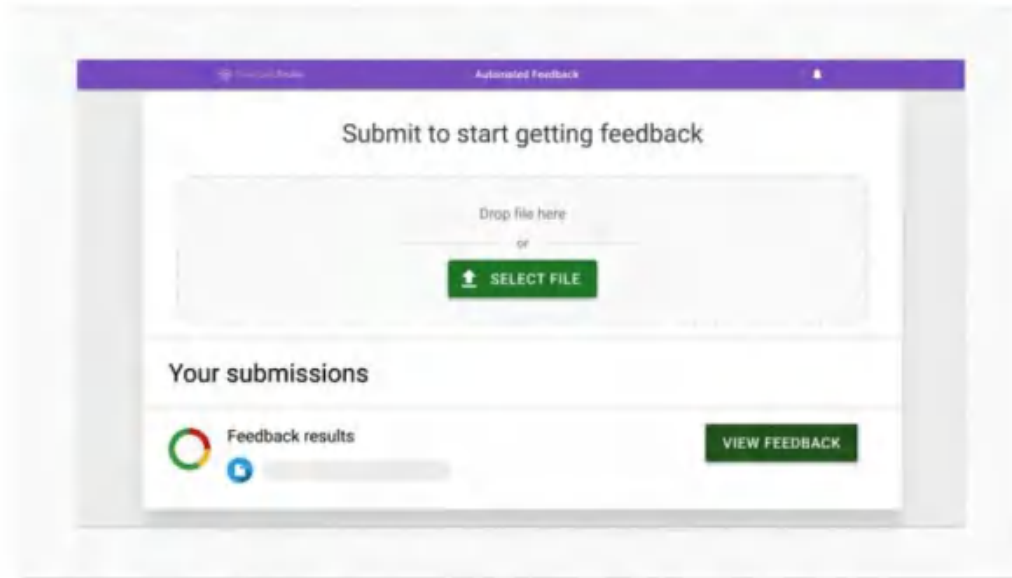
Clarity score	Pace	Hedging words (15)	Fill
68% <span>→ Okay</span>	144 <span>→ Good</span>	2% <span>→ Good</span>	12

Personalize feedback based on goals

## FeedbackFruits AI Tools

Explore our AI tools that will save you time and help students develop skills

Feedback Fruits  
– Includes AI  
tools to support  
peer feedback  
quality and  
formative  
feedback from



### Automated Feedback for instant AI feedback on written assignments

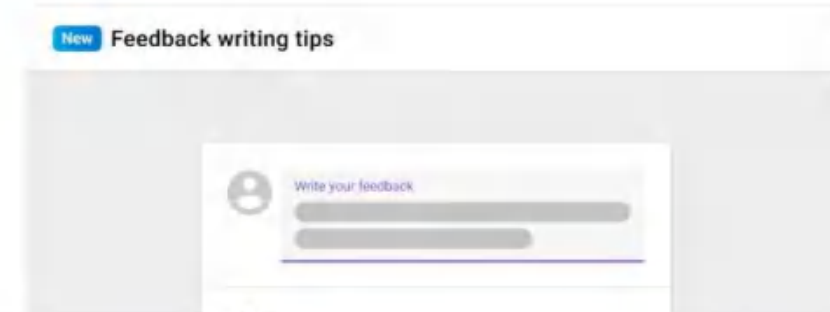
Giving feedback on students' assignments can be time-consuming. FeedbackFruits Automated Feedback tool provides AI-powered formative feedback to students on their academic writing skills based on criteria that instructor or students themselves define.

With Automated Feedback, students can receive feedback on writing style, grammar, formatting, referencing and more instantly.

[EXPLORE THE TOOL >](#)

### Automated Feedback Coach to improve peer feedback quality with AI

When students are giving feedback to each other in the FeedbackFruits Peer Review and Group Member Evaluation tools, the AI-powered Automated Feedback Coach assists students in providing high-quality feedback, thus improving their feedback skills.



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## Reconceptualizing design research in the age of ... 1 / 17



### Interactive Learning Environments

ISSN: 1049-4820 (Print) 1744-5191 (Online) Journal homepage: <http://www.tandfonline.com/olnle20>

## Reconceptualizing design research in the age of mobile learning

Brenda Bannan, John Cook & Norbert Pachler

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To link to this article: <http://dx.doi.org/10.1080/10494820.2015.1018911>

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Download by: [University of Western Australia] Date: 10 October 2017, At: 09:59

## Chat

Welcome to this informative PDF file on "Reconceptualizing design research in the age of mobile learning"! In this paper, Brenda Bannan, John Cook, and Norbert Pachler explore the intersection of mobile learning and design research.

Here are three example questions you may have about this PDF file:

- What are some of the key findings of the research discussed in this paper?
- How might the insights from this paper be applied in the design of mobile learning experiences?
- Are there any limitations or potential areas for future research that the authors identify?

What aspects of design research can be reconceptualised?

According to <sup>13</sup>, the reconceptualization of design research in the age of mobile learning prompts the reconceptualization of research and design individually as well as their integration appropriate for current, complex learning environments. The authors argue that this requires an increased sensitivity to context, cultural resources, social-cultural features of formal and informal learning environments, and the reconceptualization of research methodologies that align with these important unique factors. <sup>13</sup>

Ask any question...



Edit the detailed description

Surprise me

Upload



draw me an image of an old shoe on a beach

Generate

Recent

Clear



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# Evaluating and Critiquing AI....

“Helen Crompton (in Panke, 2023, p. 3) Given that ChatGPT is a conversational agent, we could involve it in debates or use it to draft papers, but then invest time critiquing that output. Why did AI opt for that perspective? What influenced ChatGPT’s response? Did it exhibit bias?”

Panke, S (2023). “You have to know about it because your students will be using it: An interview with Helen Crompton”

<https://aace.org/review/author/stefanie-panke/>



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## Creating AI

?? Over to you

<https://experiments.withgoogle.com/blob-opera>



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## Considering ethical issues ...

<https://www.theguardian.com/australia-news/2023/sep/28/australian-books-training-ai-books3-stolen-pirated>

01/10/2023, 09:13

'Biggest act of copyright theft in history': thousands of Australian books allegedly used to train AI model | Australia news | Th...



**Australian arts in focus**

**'Biggest act of copyright theft in history': thousands of Australian books allegedly used to train AI model**

Booker prize winner Richard Flanagan among authors whose work has potentially been pirated by US-based Books3 dataset to train generative AI

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GETTY IMAGES

**By Tom Gerken & Joe Tidy**

Technology reporter & Cyber correspondent

**Children are making indecent images of other children using artificial intelligence (AI) image generators, according to a UK charity.**

<https://www.bbc.com/news/technology-67521226>



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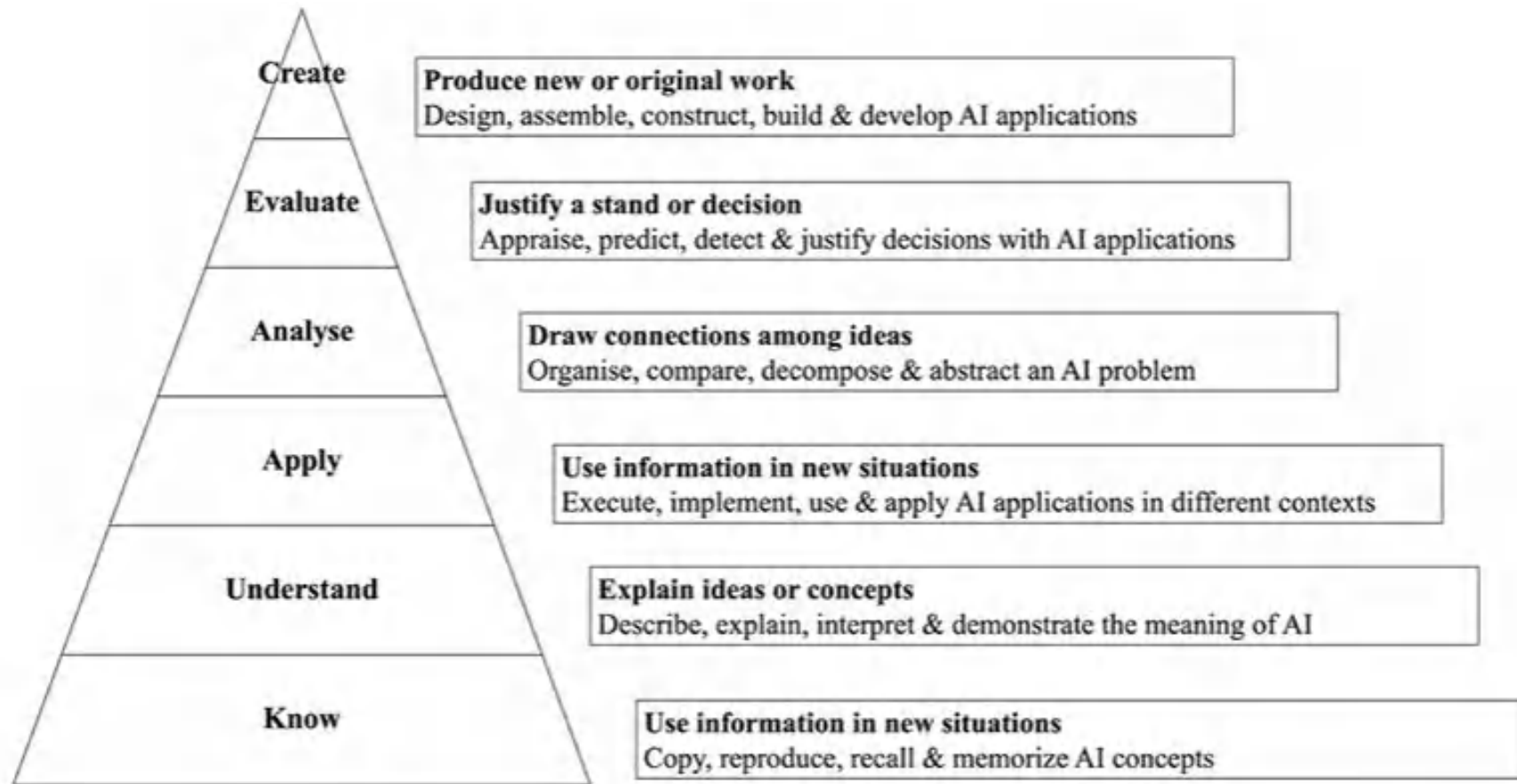
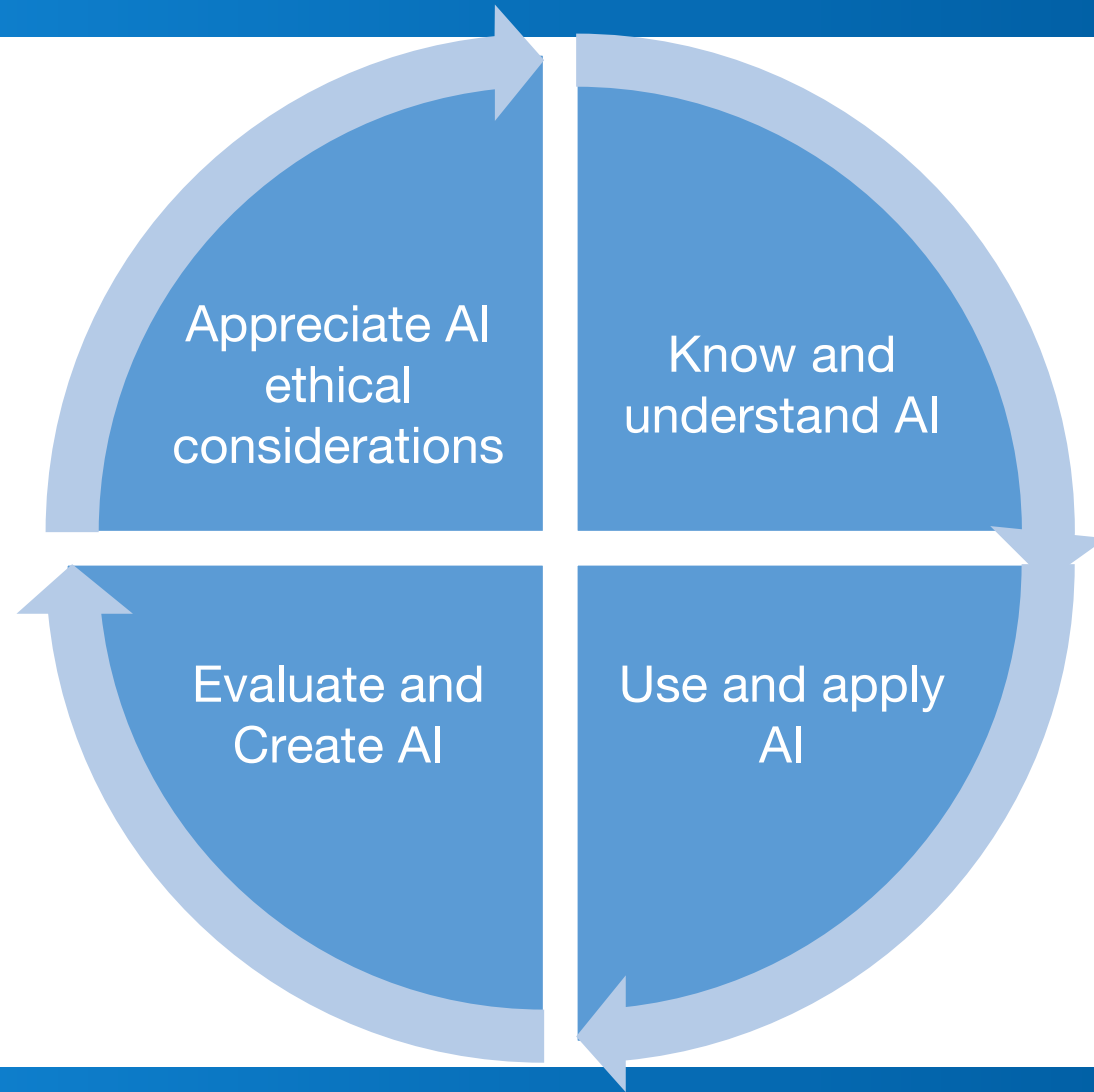


Fig. 2. Bloom's Taxonomy and AI literacy.



# Does your institution have an AI Literacy strategy?

- recognise AI and when you are interacting with it in existing and new platforms –
- develop a basic knowledge of how different types of AI work and the human role in AI
- critically analyse what AI can do and distinguish between types of AI
- develop an awareness of what AI might be able to do in the future
- identify the strengths, weaknesses and limitations of AI
- develop a critical awareness of how computers learn from data and the impact this has
- describe the key ethical issues surrounding AI and its use in education including for academic integrity
- critically evaluate information generated by AI and make informed decisions about its use in your work
- communicate successfully with AI including creating effective prompts.

<https://www.ncl.ac.uk/academic-skills-kit/information-and-digital-skills/ai-literacy>

## Useful resources

Digital Technologies hub classroom resources

<https://www.digitaltechnologieshub.edu.au/teach-and-assess/classroom-resources/topics/artificial-intelligence/>

Assessment reform for the age of AI

<https://www.teqsa.gov.au/guides-resources/resources/corporate-publications/assessment-reform-age-artificial-intelligence>

OpenAI resources

<https://platform.openai.com/docs/overview>

OECD AI Principles

<https://oecd.ai/en/ai-principles>



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# References

Ng, D. T. K., Leung, J. K. L., Chu, S. K. W., & Qiao, M. S. (2021). Conceptualizing AI literacy: An exploratory review. *Computers and Education. Artificial Intelligence*, 2, 100041–.

<https://doi.org/10.1016/j.caeai.2021.100041>

Panke, S (2023). “You have to know about it because your students will be using it: An interview with Helen Crompton” <https://aace.org/review/author/stefanie-panke/>

UNESCO Institute for Statistics (2018).

<https://unesdoc.unesco.org/ark:/48223/pf0000265403.locale=en>



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- What are some practical approaches to enhancing ***student experience*** through AI literacy that you have experienced, or that you can envisage? What challenges might be encountered?
- What are some practical approaches to enhancing ***student learning*** through AI literacy that you have experienced, or that you can envisage? What challenges might be encountered?
- What kinds of institutional level supports might need to be rolled out to help educators teach AI literacy?



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谢谢

Thanks

Merci

Спасибо

Gracias

