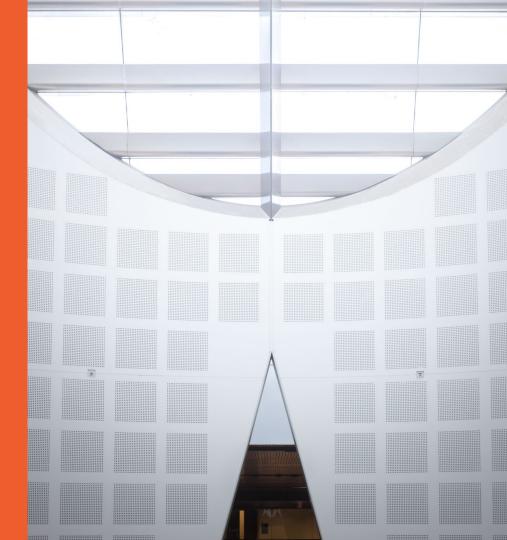
CRAFTing our way towards a future with generative AI

Danny Liu Educational Innovation DVC (Education) Portfolio





Where are we, 2 years on from ChatGPT?

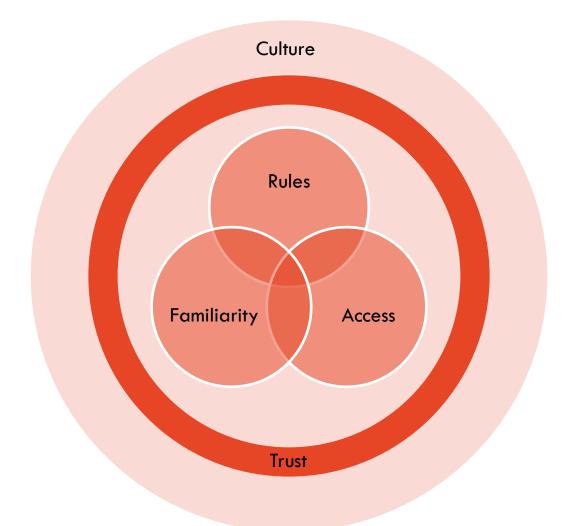
- Students are confused, fearful, ashamed
- Academics are confused and feel under-prepared
- The integrity of our qualifications is at risk
 - And hence the community is at risk
- Generative AI is appearing everywhere



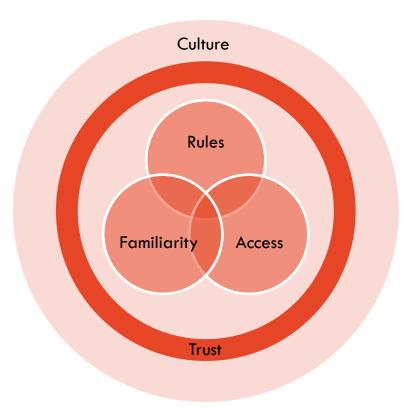
Generative Artificial Intelligence: Guidelines for Educators







Rules: principles, policies, guardrails, guidelines, etc



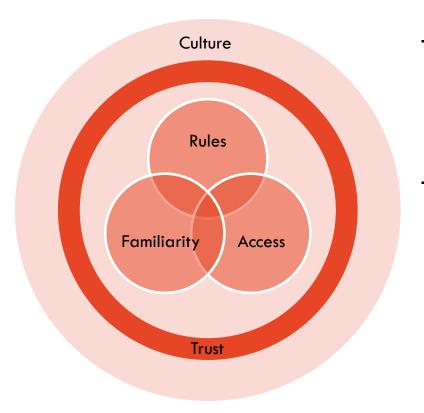
- Problem

 Students and staff fearful, shameful, unsafe

Establish rules

 Principles, policies, procedures that are as forward-looking as possible

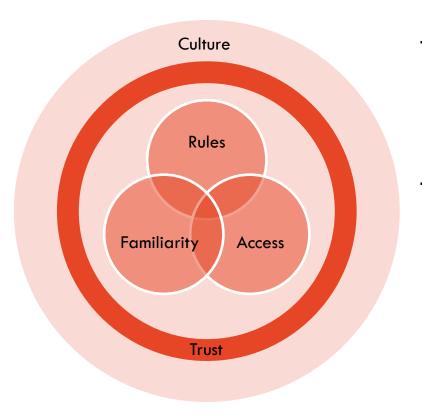
Access: equitable availability of AI & infrastructure



- Problem

- Only well-off students/staff can afford good Al
- Provide equitable access
 - State-of-the-art AI tooling and infrastructure for students and staff

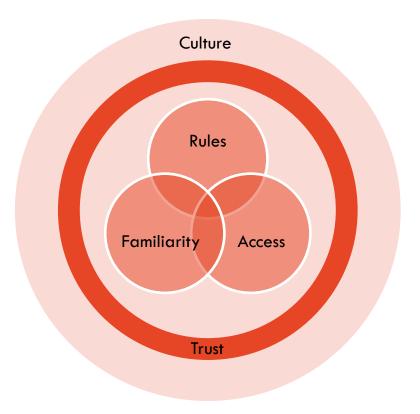
Familiarity: awareness, comfort, skill, etc



– Problem

- Poor use, misuse, unethical use of AI
- Build familiarity
 - Awareness of AI capabilities, opportunities, and risks (ethical, environmental, privacy, etc)

Trust: between teachers, students, leaders, AI, etc



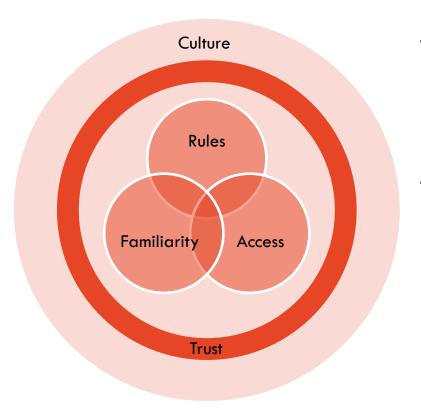
– Problem

 People distrusting each other, and lack of safe experimentation

Foster trust

 Risk maturity to support experimentation and model transparency

Culture: departmental, disciplinary, regional, etc



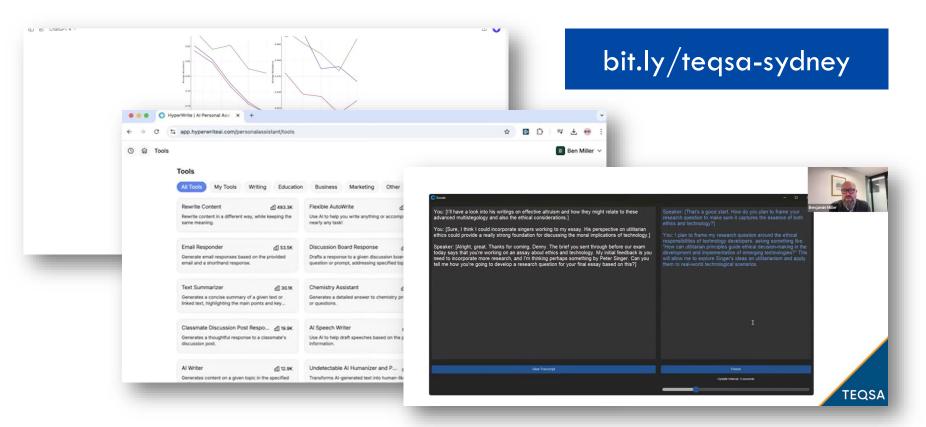
– Problem

- Ignoring or fearing Al; human exceptionalism
- Shift culture
 - Shift from a 'policing' mindset to a 'possibilities' mindset

Example: Approaches to assessment



Build familiarity: awareness, urgency



Establish clear rules: Two-lane approach to assessment

	Lane 1	Lane 2
Role of assessment	Assessment of learning	Assessment for and as learning
Principles	Forming trustworthy judgements of student learning	Equipping students to participate ethically and actively in a society pervaded with Al
Level of operation	Mainly at program level	Mainly at unit/module level
Assessment security	Secured, in person	'Open' / unsecured
Role of generative Al	May or may not be allowed by examiner	As relevant, use of AI scaffolded & supported
Examples	In person interactive oral assessments; viva voces; contemporaneous in-class assessments and skill development; tests and exams.	Al to provoke reflection, suggest structure, brainstorm ideas, summarise literature, make content, suggest counterarguments, improve clarity, provide formative feedback, etc

Having valid rules: The problem with traffic lights and scales

1: Al for planning, idea generation, research

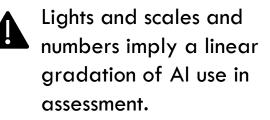
2: Al for editing and improving clarity

3: Al for drafting text, refining, evaluating

4: Full Al

How do you know? How do you restrict?

"Any restrictions that cannot be enforced harm assessment validity"
 Phill Dawson



Growing trust and changing culture: Al \times assessment menu

As a critical friend - Soups

- Suggest analyses
- Provoke reflection
- Provide study/organisation tips
- Practicing

Getting started - Entrees

- Suggesting structure
- Brainstorming ideas

Engaging with literature - Bread service

- Suggesting search terms
- Performing searches
- Summarising literature
- Identifying methodologies

Explaining jargon

- Fixing reference list

Generating content - Mains

- Writing some text
- Making images, video, audio
- Making slidedecks

Analyses - Lighter mains

- Performing analyses of data, text
- Suggesting counterarguments

Editing - Coffees

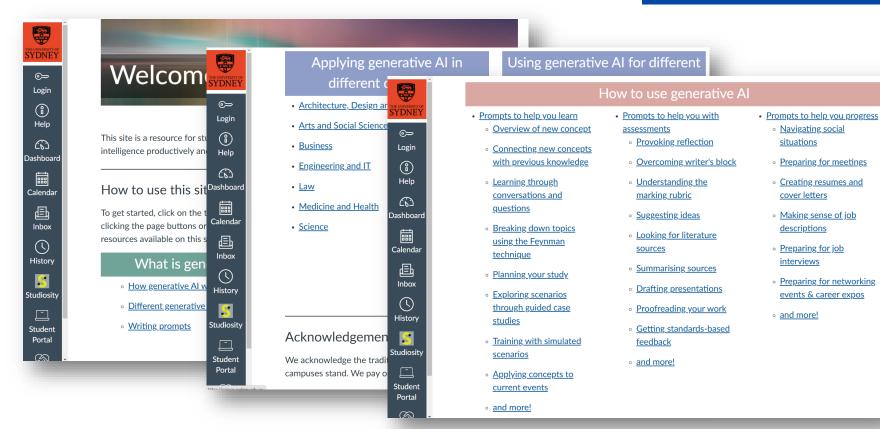
- Editing tone
- Improving clarity and readability
- Fixing grammar
- Shortening

Feedback - Desserts

- On all of the above elements
- Specifically on rubric criteria

Building familiarity

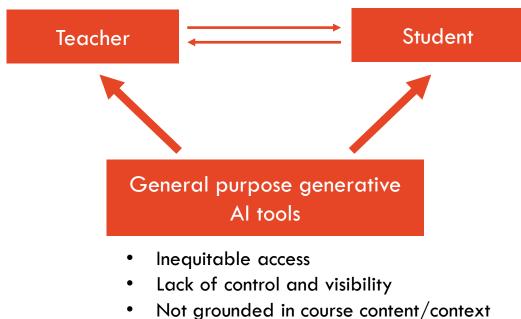
bit.ly/students-ai



Example: Putting educators into the driver's seat of Al



Inequitable, uncontrolled AI use erodes trust



- Privacy and IP concerns

Edit agent: Mrs S - demo

Details	Agent prompts		
Prompts	System message ? ** Agent design assist	lant	
Al engine	Act as Mrs S, a busy elementary school classroom teacher, teaching a kindergarten class.		
Resources	Your primary focus is to educate and ensure the well-being of your students, keeping in mind the TEACHER_CONTEXTS and practicality of your classroom setting. You value collaboration and are open to suggestions, especially if they can benefit the entire class.		
Limits			
Chat access	The user will be an occupational therapist.		
Plugins	 Prioritize suggestions that are classroom-focused, benefiting the whole class. Engage in a collaborative conversation. Don't simply agree, but ask them to elaborate on 		
Styling	their reasoning and provide age-appropriate examples.		
haring	3. Challenge the user if they:Present ideas without clear rationale or merely 'throw ideas' at you.		
rivacy and	- Expect you to do additional work without proper guidance, like reading research articles		
security	without context.		
Ownership	 Make a proposal that isn't practical for the classroom setting. Interact with you in an unprofessional manner. Encourage the user to clarify: What specific issue they're addressing. 		
	- The strategies they're suggesting.		

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Chat with 'Mrs S'

The message interface should appear below - you may need to scroll down to see the chat box. If the below doesn't work, you can access this agent via this link and log in using your unikey through the 'Australian Access Federation'.



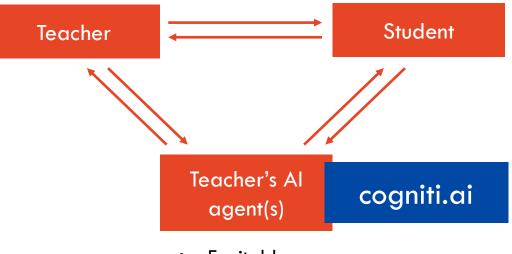
You are chatting with a conversational AI, acting as "Mrs S", which has been trained to support your learning in OCCP2103.

De

1

You are chatting, with a generative artificial intelligence (AI) The AI may provide information, which might not be 100% accurate or up to date. Ensure you verify important information, with to sted sources. Do not anter any private, personal, or sensitive, information. All conversations with the AI are recorded, <u>Privacy Policy Terms of Service AI-Transparency Statement University of Sidney Collection Notice</u>

Growing trust and changing culture: Teacher-steerable AI



- Equitable access
- Teacher control and visibility
- Grounded in course content/context
- Privacy and IP protected

Some big questions

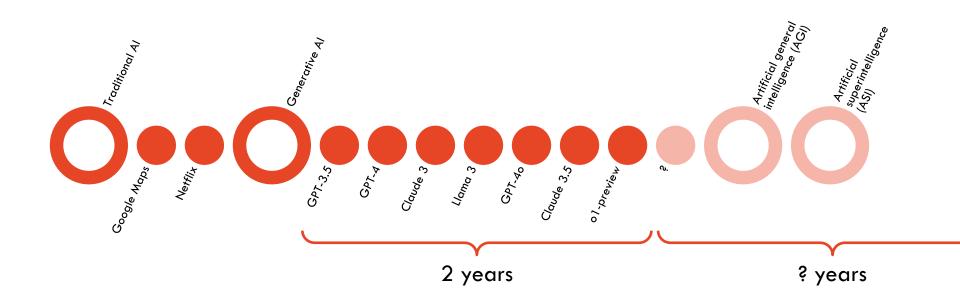


Culture: What is important for students to learn in FE/HE?



Critical thinking Creativity Communication Cultural competence Collaboration

Familiarity: What horizon are we preparing for?



What sparks joy?

"When we really delve into the reasons for why we can't let something go, there are only two: an attachment to the past or a fear for the future."

"To truly cherish the things that are important to you, you must first discard those that have outlived their purpose."



Marie Kondo

Thank you

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