AI Literacy in Higher Education: A Workshop Series on Responsible AI Use

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Students Using AI in Education

↑ writing quality

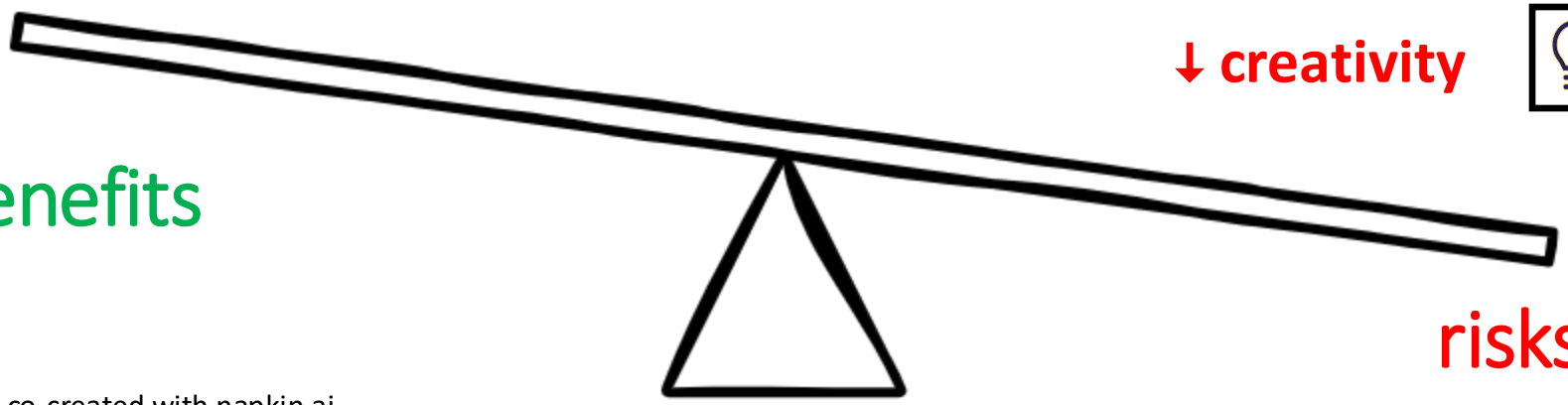
personalized learning aid

facilitate research tasks

academic integrity

↓ critical thinking

↓ creativity



benefits

risks

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Training needed in AI use in Education

Unawareness of AI use: benefits & risks

AI training & education

Responsible & Effective users of AI in education

Able to train others

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The Timeline

UNESCO AI competency framework for students (2024)

Project Initiation – strategic project addressing AI use

student survey on AI use and familiarity

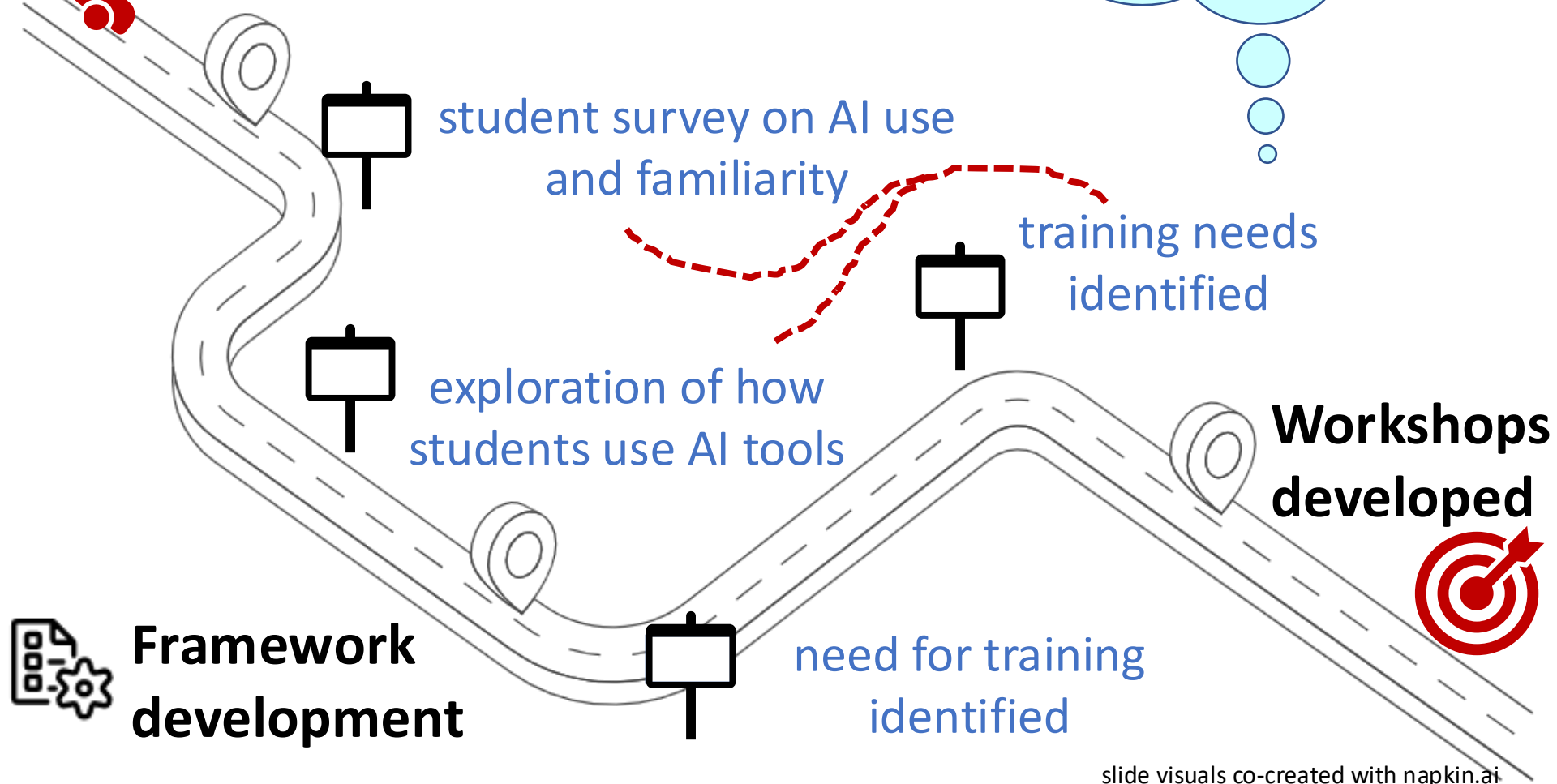
exploration of how students use AI tools

training needs identified

need for training identified

Framework development

Workshops developed



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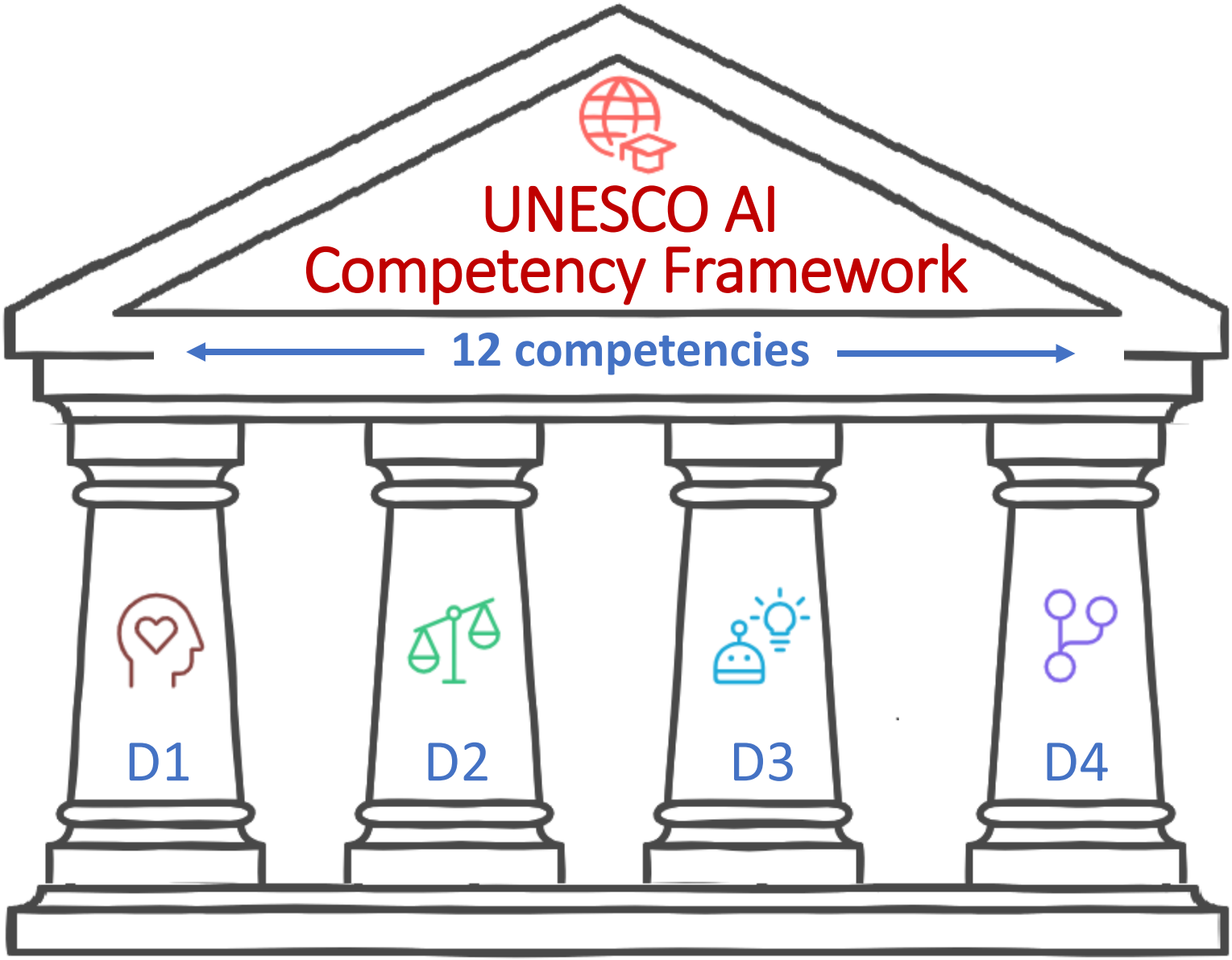

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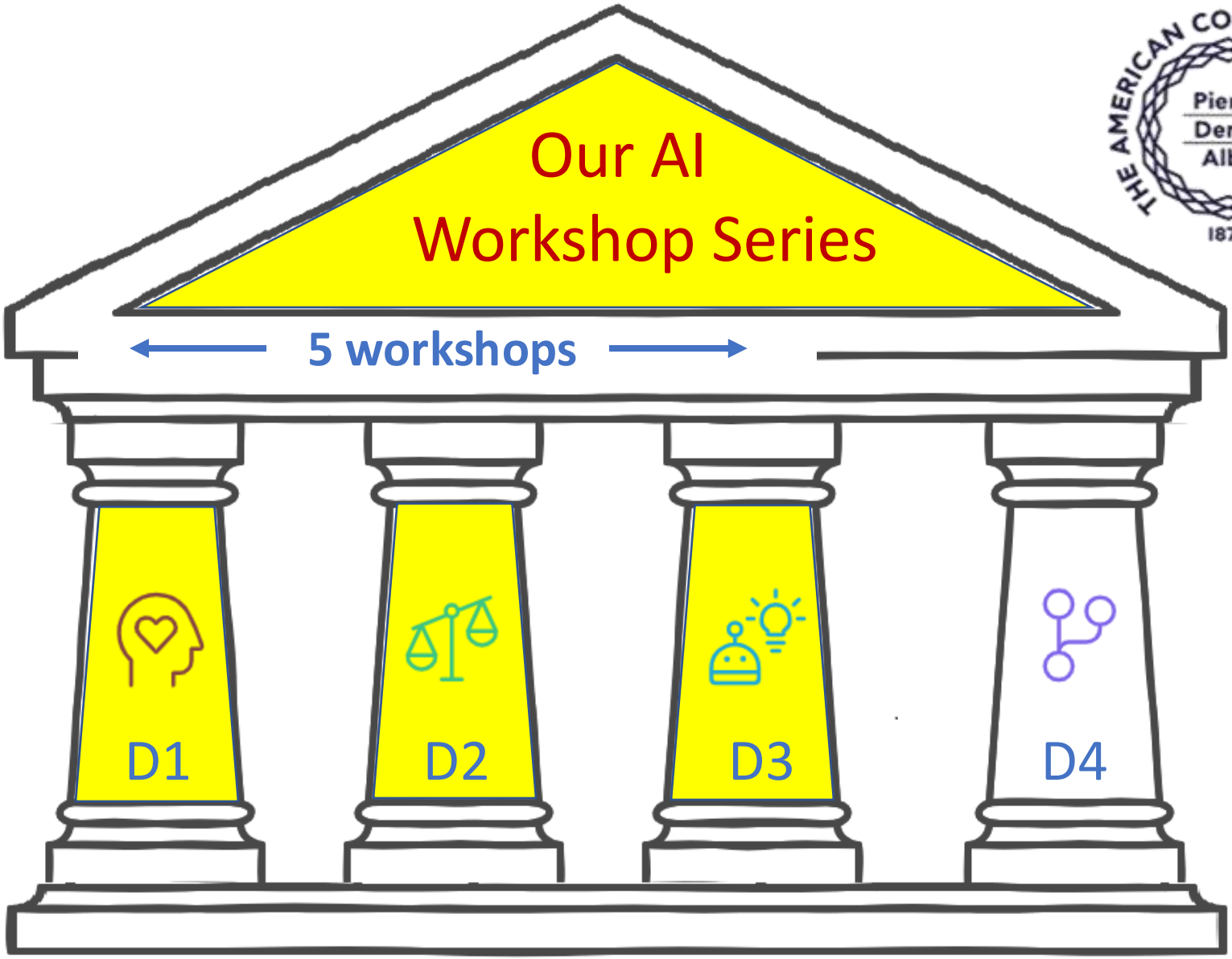

THE AMERICAN COLLEGE OF GREECE
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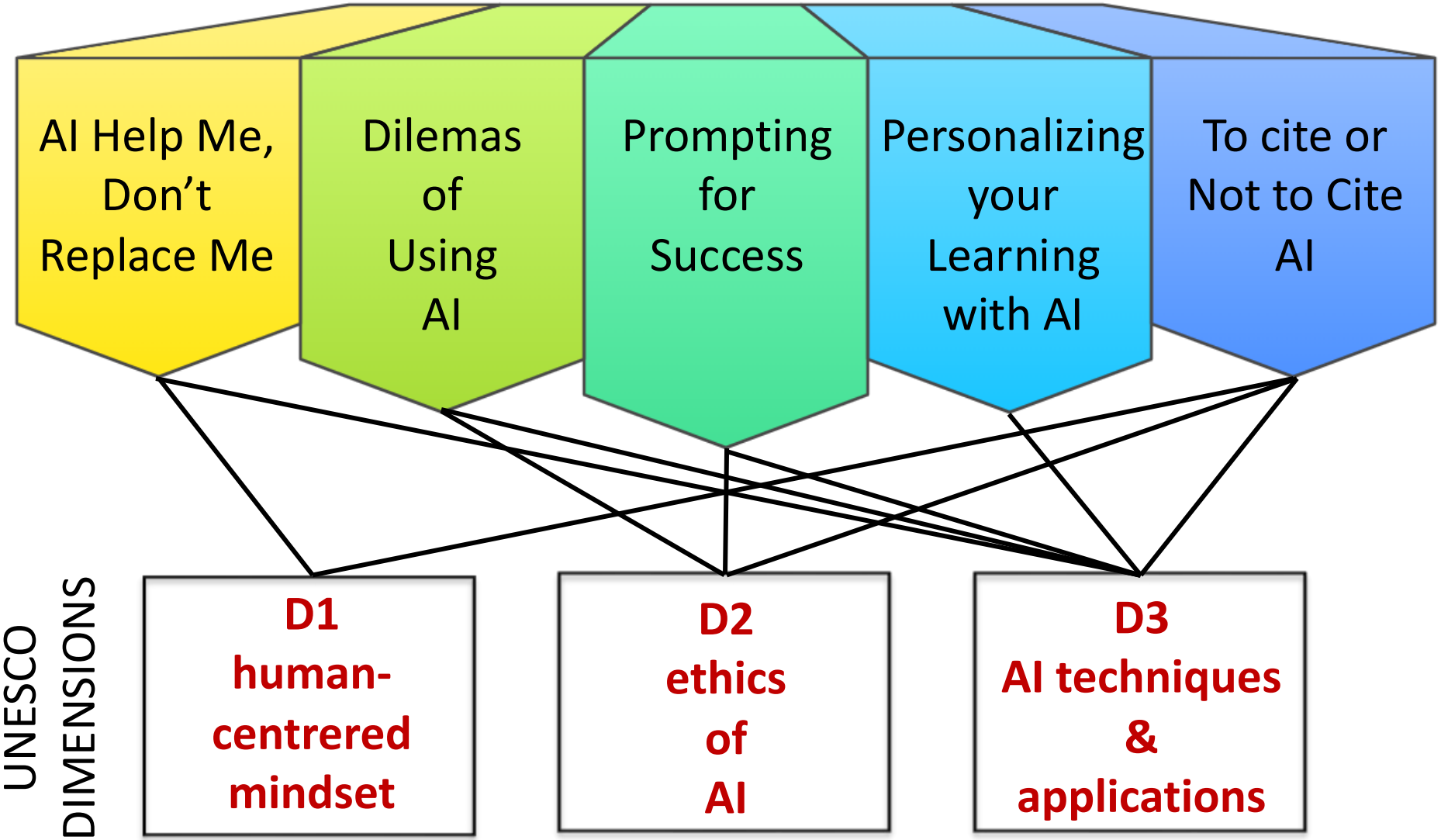
5 part Workshop Series (2 F2F, 1 online)

discussion-based & hands-on: 50 mins



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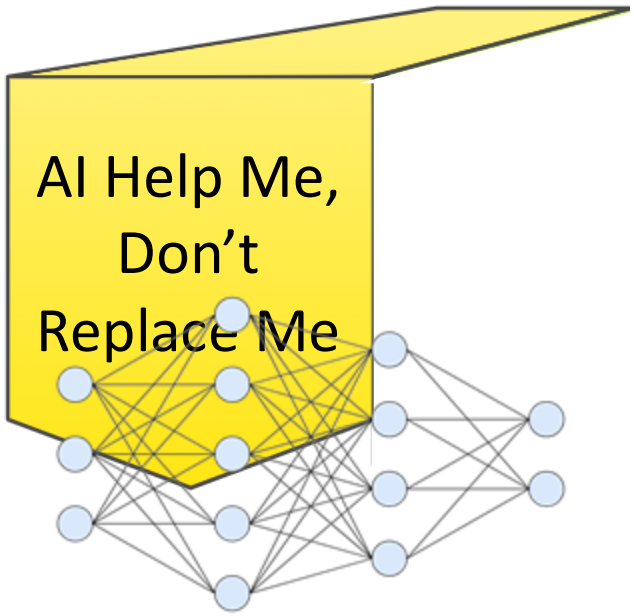
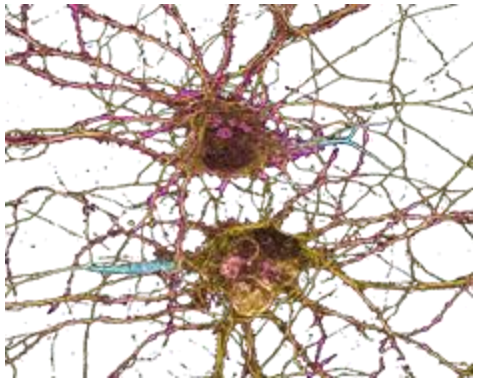


Vs



Learning Outcomes

- Recognize how AI works on a basic level
- Explain how human learning may be impacted through the use of AI

Learning Activities

- Word cloud creation: AI tools
- Videos (LLMs & neuroplasticity)
- Hands-on demonstration of neural networks in action
- Group Discussions (how AI may impact human learning, creativity, problem solving...)
- Theoretical instruction

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Dilemas of Using AI

Learning Outcomes

- Identify and explain ethical dilemmas involved in using AI in education
- Outline how LLMs have been trained and the ethical implications
- Discuss the implications of AI on academic integrity and creativity

Learning Activities

- Group Discussions
  - Questions about where data has come from and why it matters
  - Scenarios
  - Role-play
- Theoretical instruction
  - Ethical dilemmas
  - General Principals about AI use to maintain academic integrity

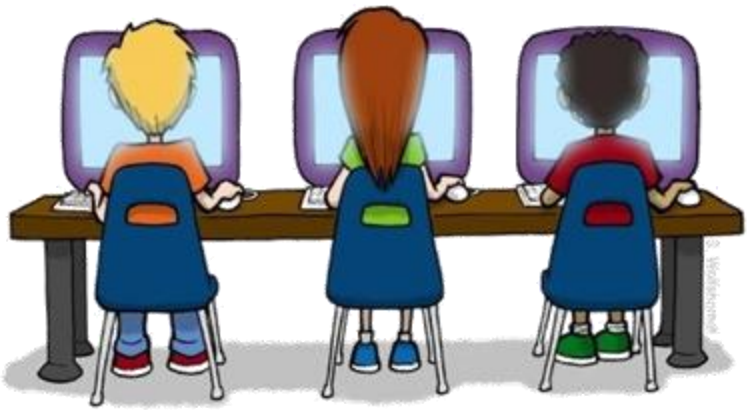
Prompting for Success

Learning Outcomes

- Recognize how prompt structure influences the quality of AI-generated outputs
- Apply steps to create clear and effective prompts for AI tools

Learning Activities

- Live Prompting experiment
- Pair & whole class discussions
  - Comparing AI outputs
- Theoretical instruction
  - Natural Language Processing (NLP)
  - 4 elements for effective prompting (Role, Task, Requirements, Instructions)



Personalizing your learning with AI

Learning Outcomes

- Use AI tools & techniques to manage their time and academic workload
- Use AI tools to personalize their learning

Image generated with Microsoft copilot

Learning Activities

- Demonstration of example goal tracking & study planners
- Hands-on practice using AI tools to achieve LOs
- Pair & whole class discussions
  - Comparing AI outputs
- Theoretical instruction
  - Active learning advantages

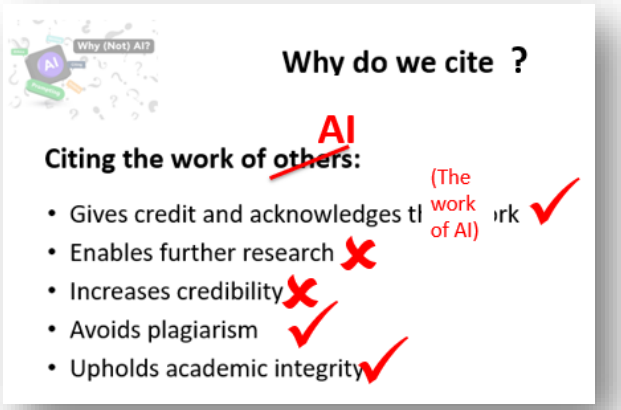
To cite or Not to Cite AI

Learning Outcomes

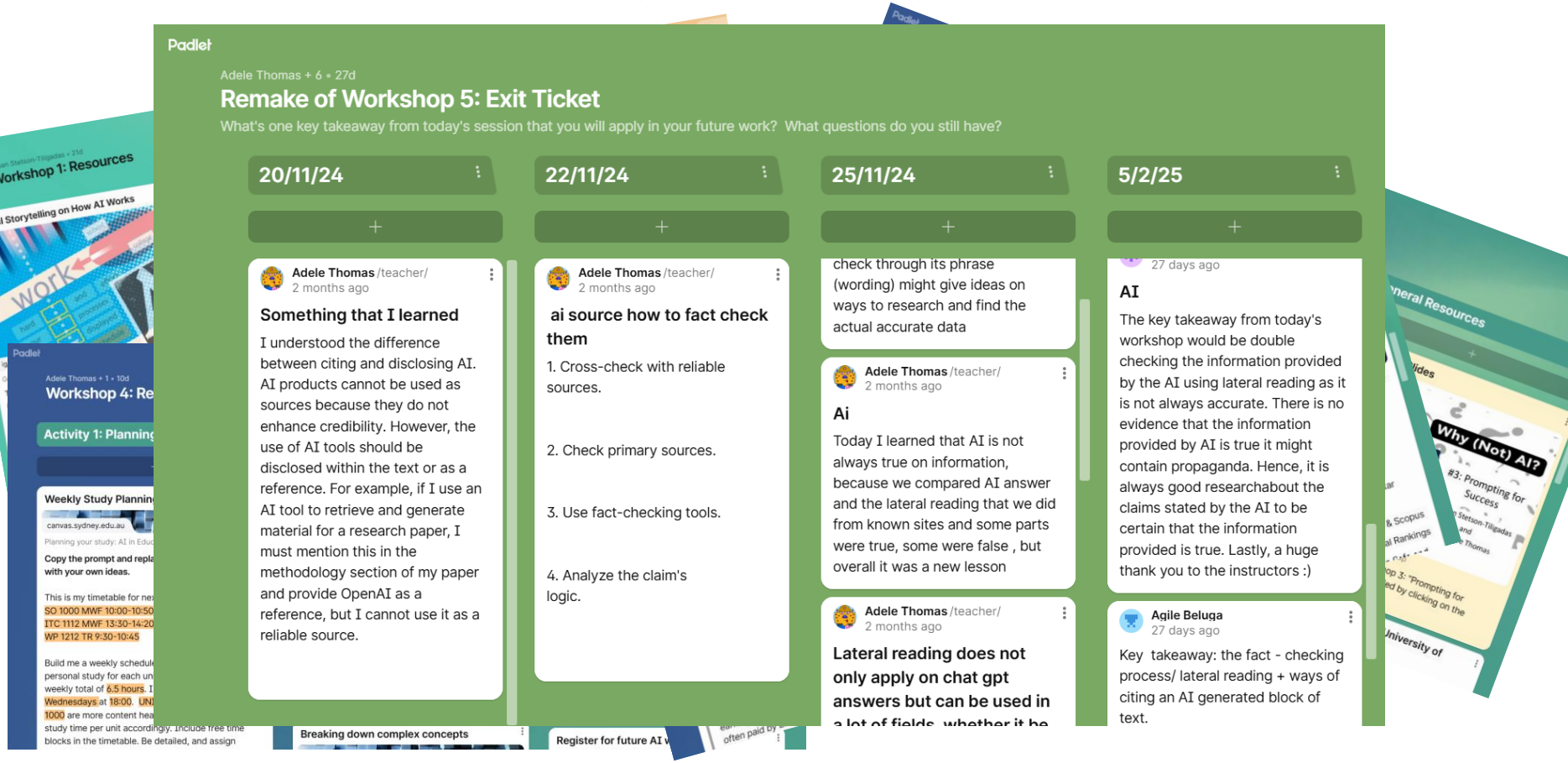
- Discuss ethical & practical reasons to cite other people or AI-generated material
- Recognize best practices for documenting use of resources inc AI tools
- Understand and apply lateral reading skills to verify claims

Learning Activities

- Theoretical instruction
- Video (lateral reading demo)
- Hands-on practice of lateral reading
- Pair & whole class discussions
  - Why we cite & how AI generated output differ to traditional sources?



Each workshop had a padlet with resources



And an “exit ticket” – The key takeaway

Lessons Learnt & Future Directions

- More incentives needed to increase attendance
  - Credit-bearing
  - Compulsory
- Online workshops had the highest attendance
  - However, less participation in workshop activities
- Content easily adaptable to be relevant to a wide range of participants

Thank you

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