SEQUOIA CON 2024

AI-ENHANCED LESSON DESIGN (AI-ELD) PROCESS



NG_EE_NOCH@MOE.EDU.SG BOON LAY GARDEN PRIMARY SCHOOL SINGAPORF

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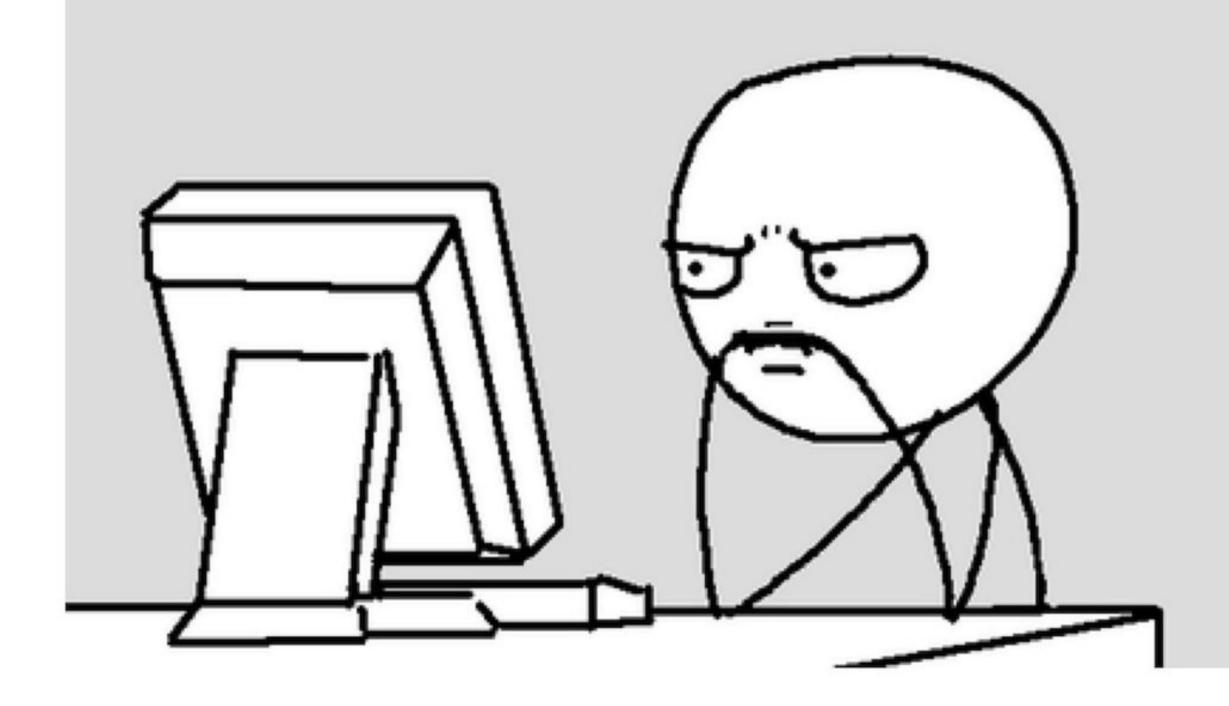
AI-ENHANCED LESSON DESIGN (AI-ELD) PROCESS

CREATING EFFECTIVE LESSON PLANS IS CHALLENGER AND TIME CONSUMINA STRUGGLE SISAL SO

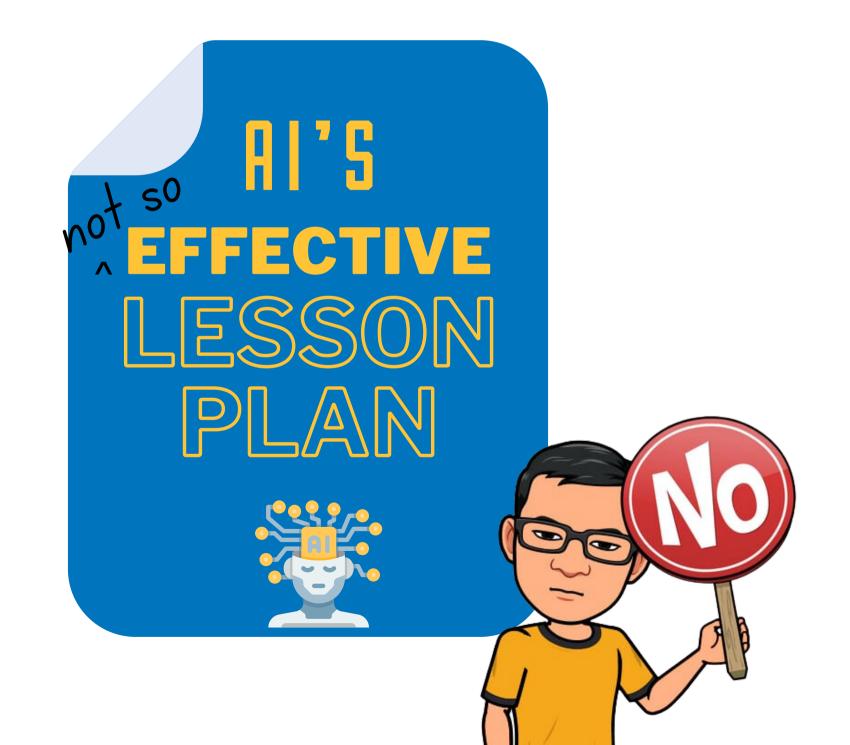
Lesson planning is the cornerstone of effective teaching

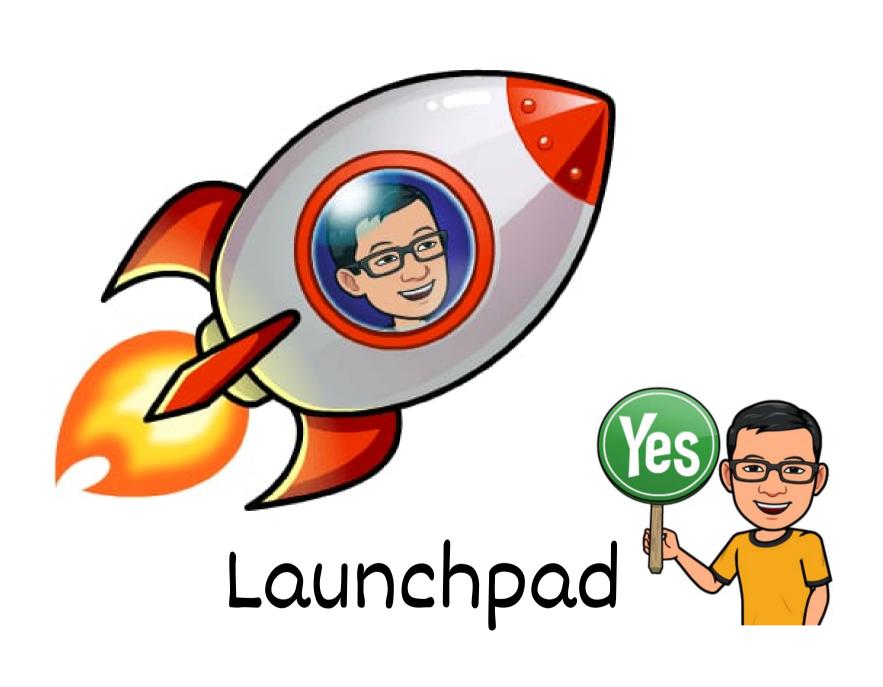


IF I STARE AT MY SCREEN LONG ENOUGH, MAYBE MY LESSON PLANS WILL WRITE THEMSELVES.

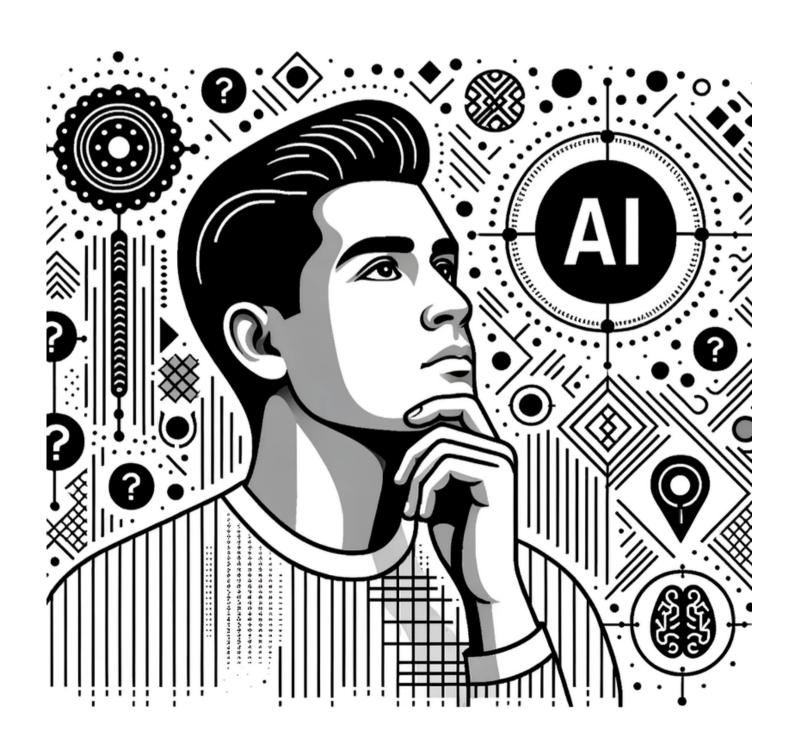


YES AND NO...

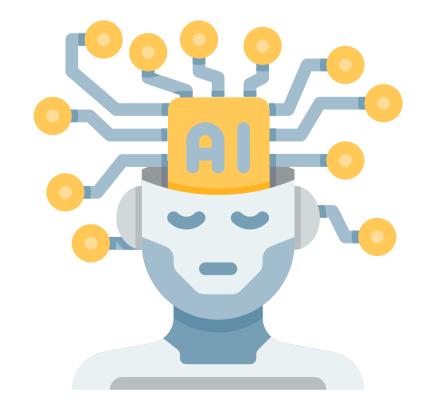




UNDERSTANDING AI



AI has access to very large DATA SET



DATA BIAS

E-PEDRGDGY

FROCESSES PROCESSES

KEY RPPLICATION
OF TECHNOLOGY

E-PEDAGOGY CO.

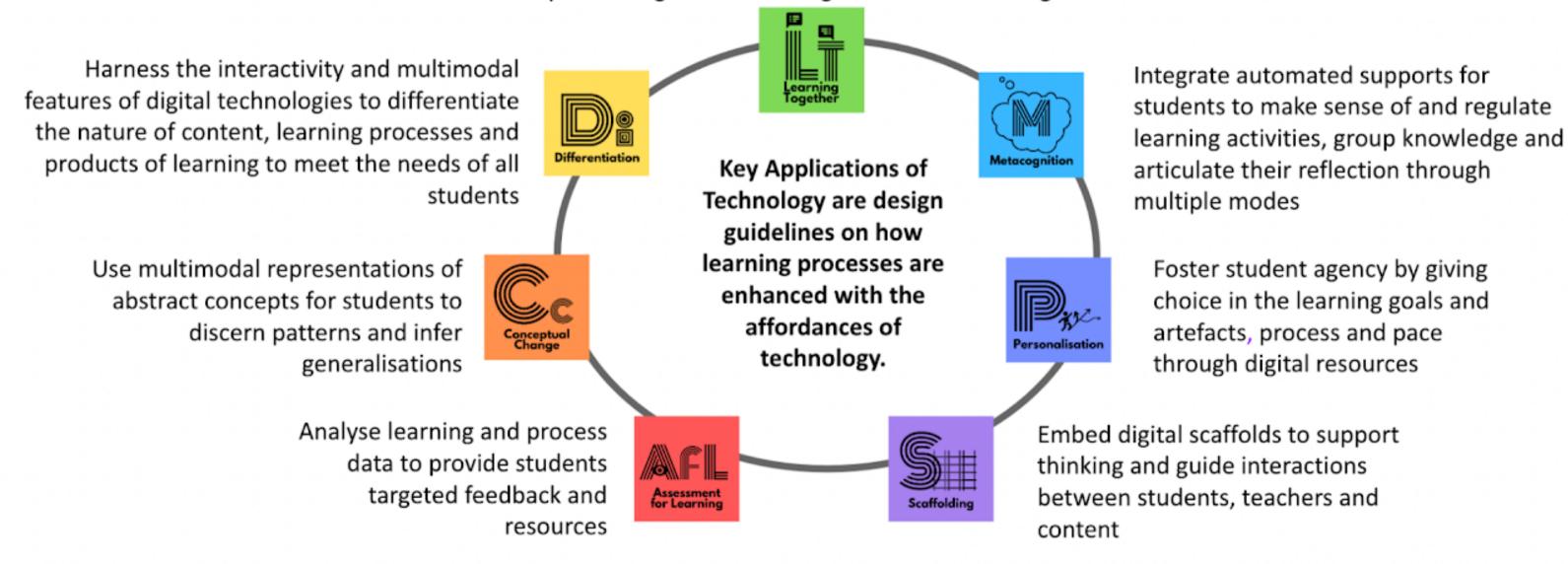


e-Pedagogy is the practice of teaching with technology for active learning that creates a participatory, connected, and reflective classroom to nurture the future-ready learner.

KEY APPLICATION OF TECHNOLOGY



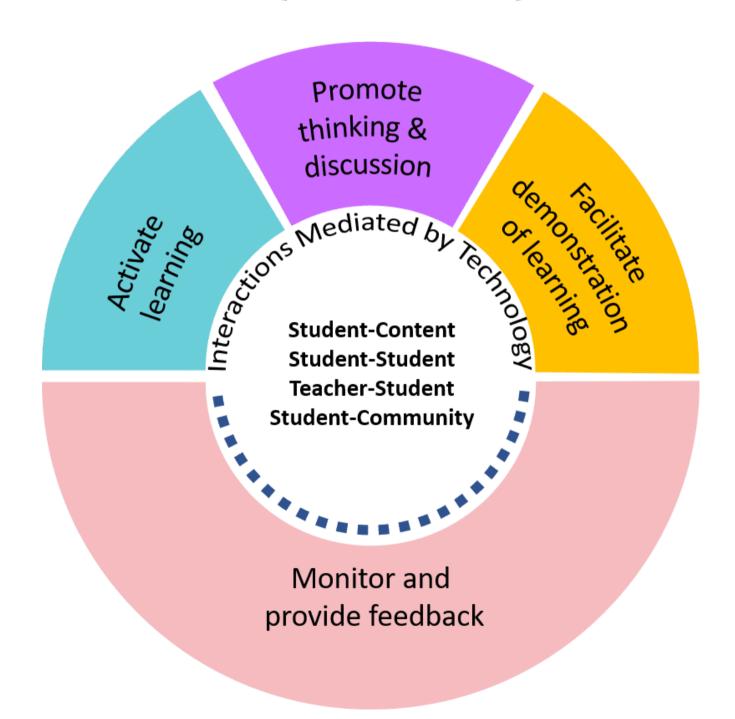
Allow learners to collectively improve their ideas over time by sharing, building on, organising, and synthesising their knowledge and understanding



ACTIVE LEARNING PROCESSES (ALPS)



Plan and sequence learning experiences to help students make sense of information to achieve deep understanding and/or develop a skill.



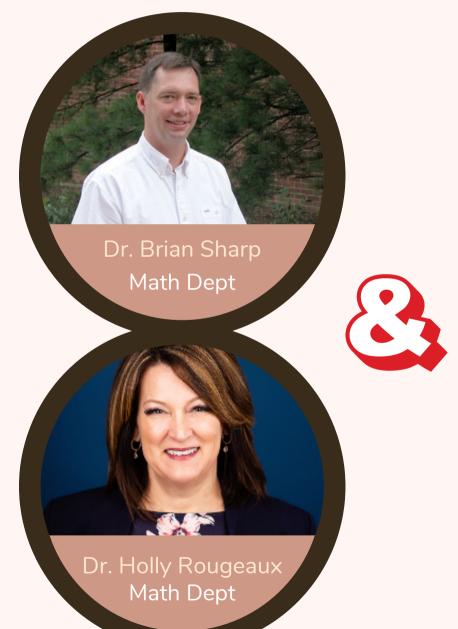
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FULBRIGHT DAI RESEARCH ROJECT

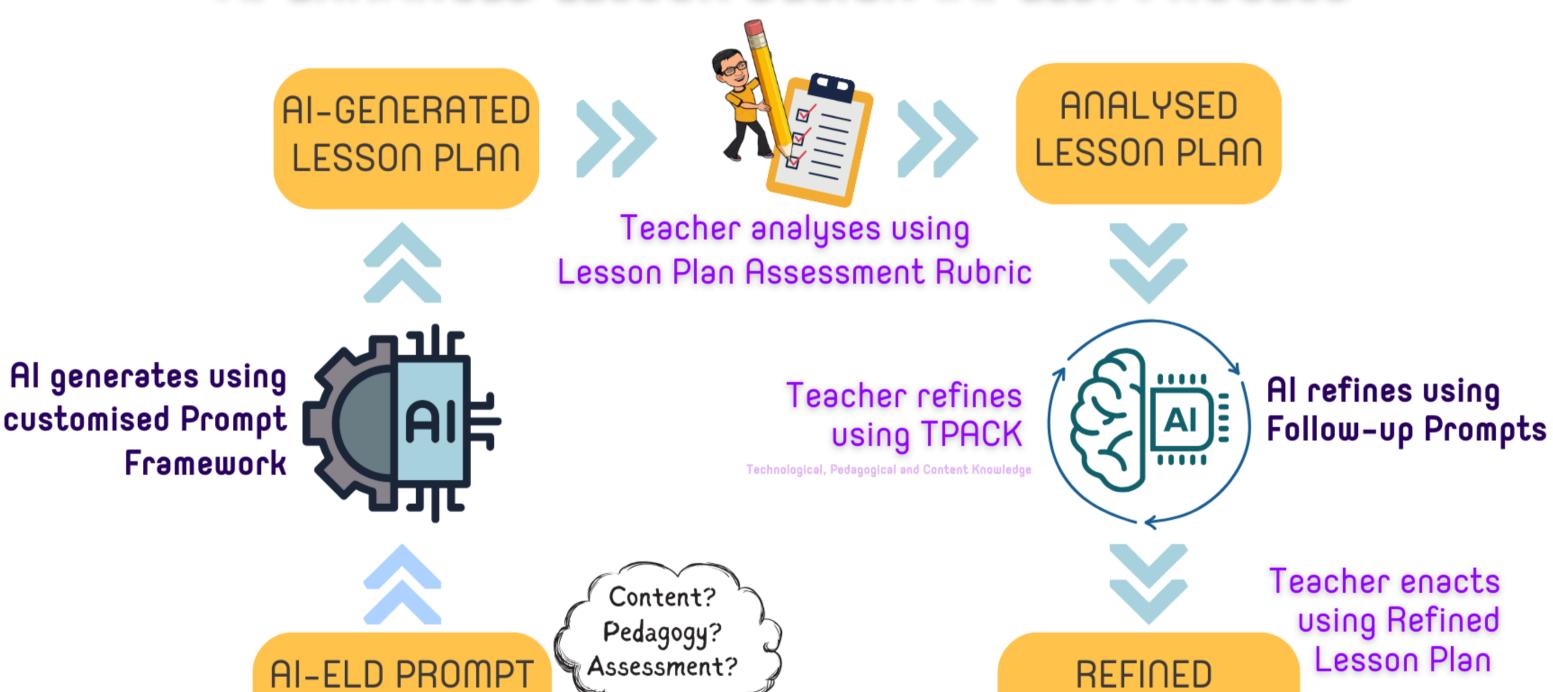






Indiana University of Pennsylvania (IUP)

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FRAMEWORK

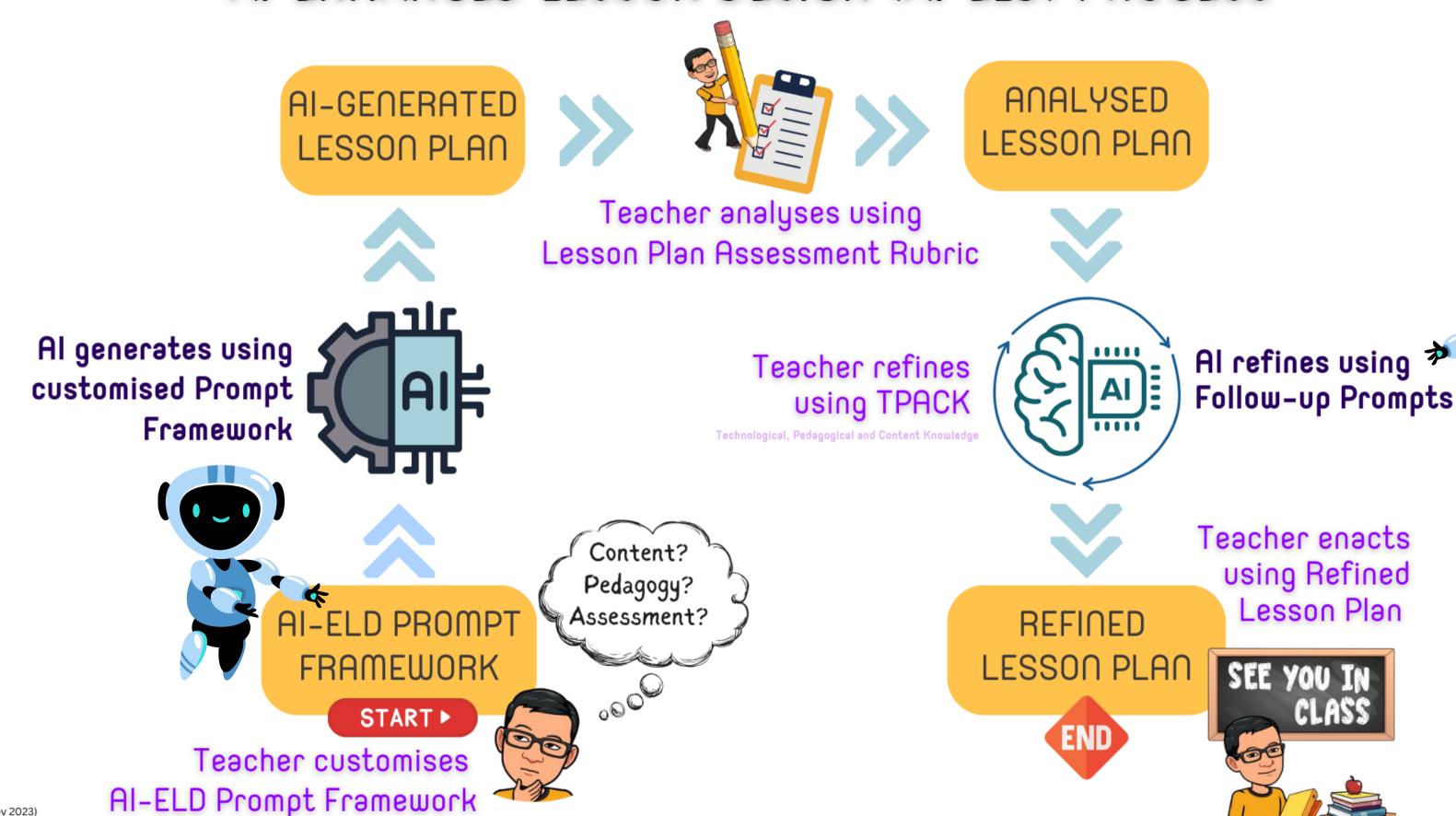
START ▶

Teacher customises

AI-ELD Prompt Framework



AI-ENHANCED LESSON DESIGN (AI-ELD) PROCESS



REFERENCES

Act as an expert in ... or world class in...

Context (a lot!)

Deep think (think deeply about...)

Questions

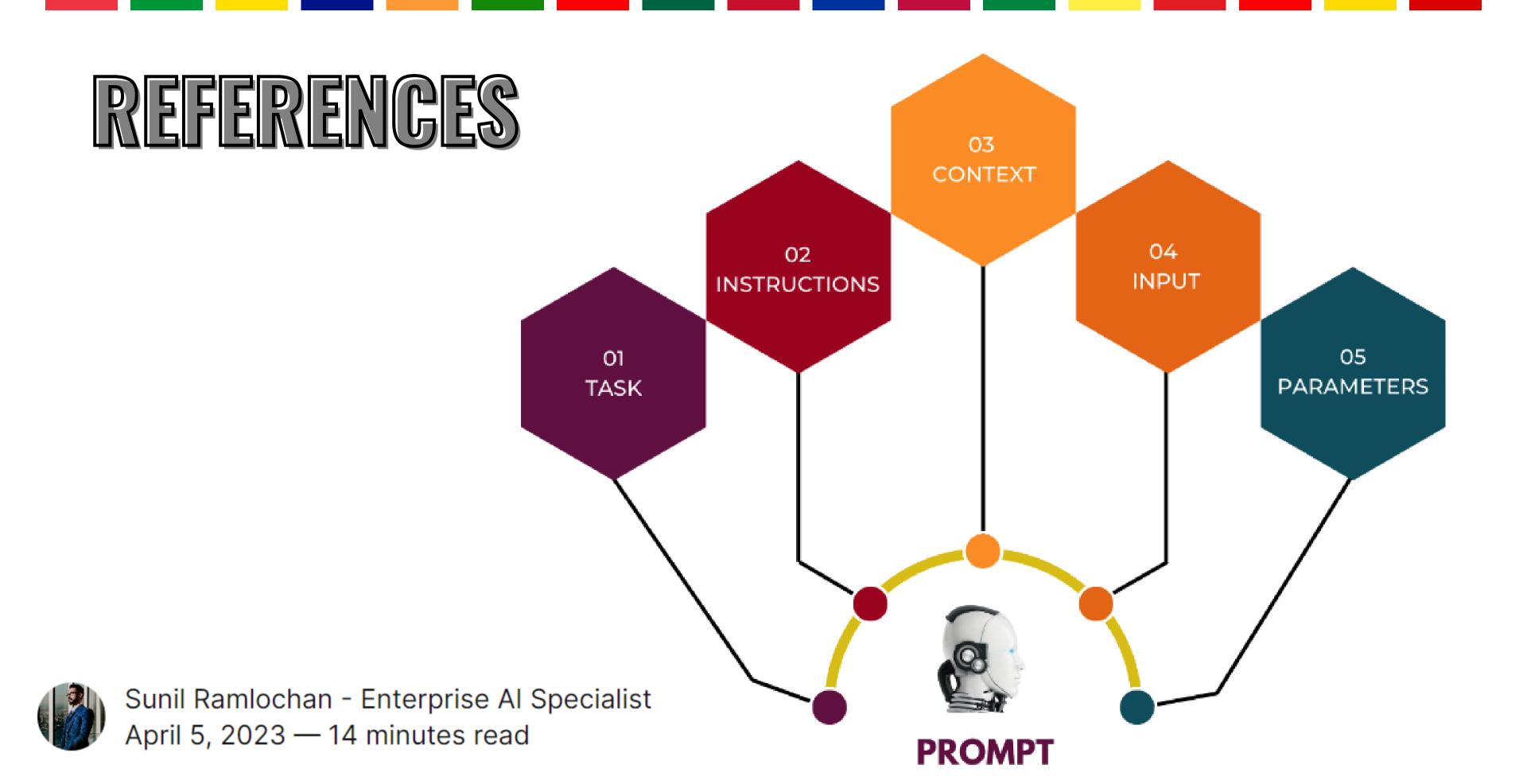


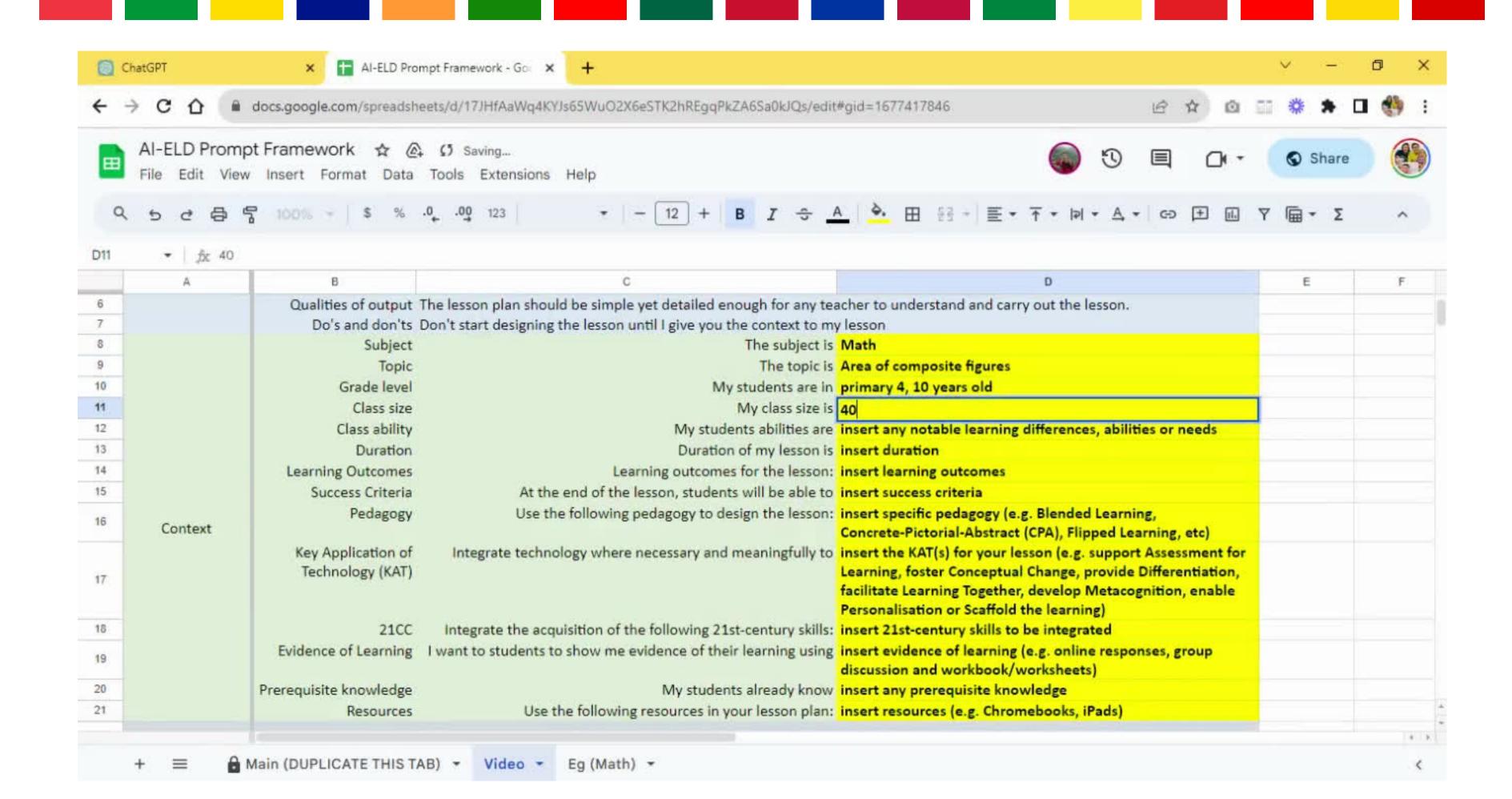
Jen Bryan

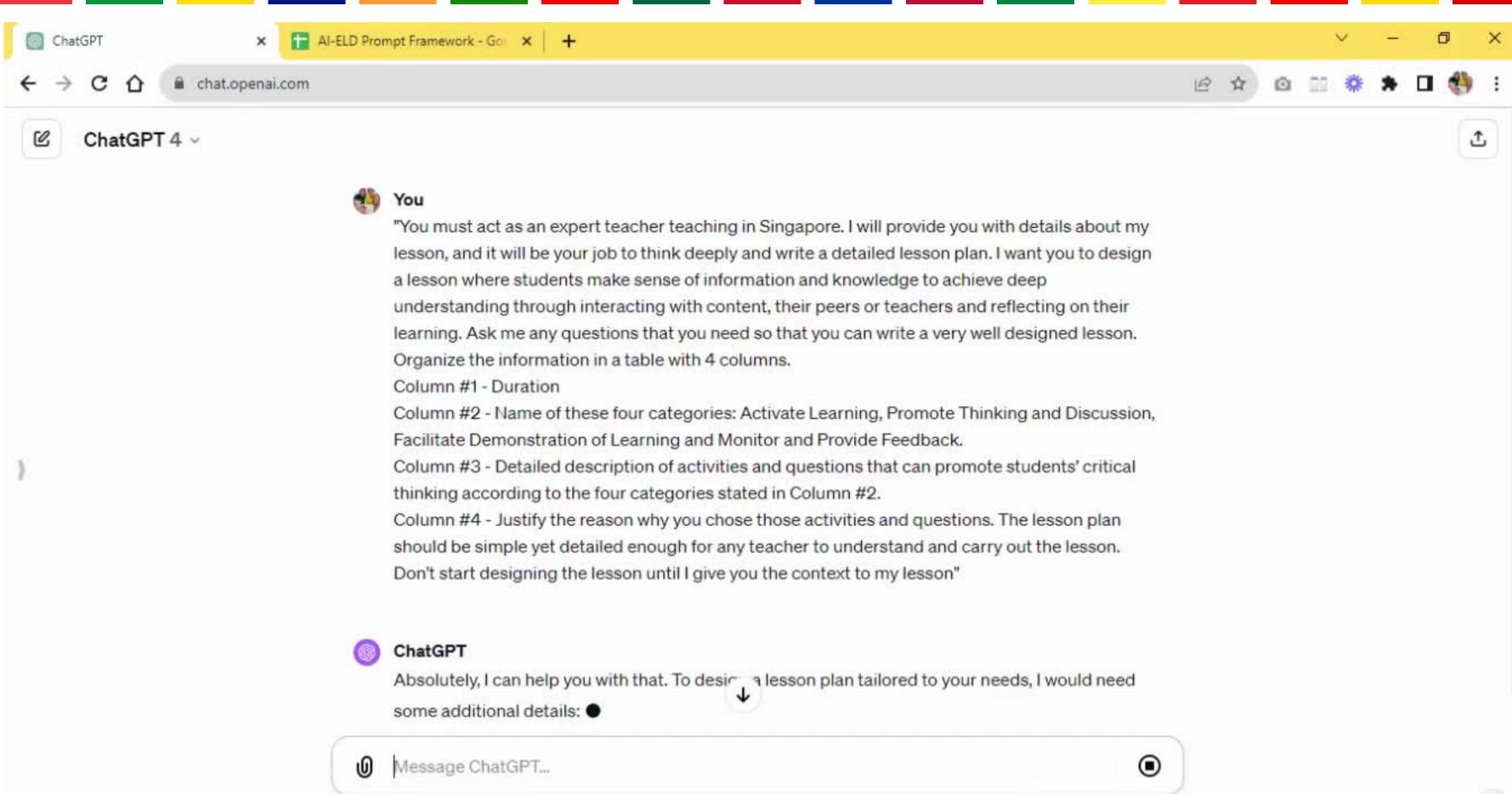
@JenBryan_ 35 subscribers 35 videos

Hey! I'm Jen. 👏 I'm a marketer who specialises in Paid Advertising, turned... 🗦

twitter.com/jenbryan_ and 1 more link







LESSON PLAN ASSESSMENT RUBRIC

Lesson Plan Assessment Rubric

Single-Point Assessment Rubric

Grow Areas that need work	Criteria	Glow Areas that exceed the criteria
	Learning Objectives The lesson plan includes: key concepts, skills, attitudes and values (including 21CC) that are essential to my students' understanding of this topic and important for my students to develop? prior knowledge/concepts and skills my students have? difficulties that my students may experience? students' learner profiles that may require differentiation in my design of the activity or lesson?	
	Success Criteria The lesson plan includes success criteria that: are specific statements that define what success looks like when learning outcomes are met. includes what students will do, say or write to demonstrate how well they have learned.	



FOLLOW-UP PROMPTS

Abstract: Calculation of area through worksheets and digital submission of responses.

21st-Century Skills Development:

- Communication: Group discussions and video explanations foster clear and effective communication.
- Collaboration: Group activities on Chromebooks encourage teamwork and idea sharing.
- Technology Use: Integration of digital tools (Chromebooks, interactive software, online platforms) for learning and assessment.

This lesson plan aims to balance technology integration with hands-on activities, ensuring that students understand the concept of finding the area of composite figures while also developing essential 21st-century skills. The use of familiar technology like Chromebooks and class projectors makes the lesson accessible and engaging for students.



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Al-Enhanced Lesson Design (Al-ELD) Process







9 bookmarks \(\mathref{\pi}\) Custom sorting



Asynchronous Online Learning Module (Google Form)

Learn about the AI-ELD Process via Google Form.

forms.gle · Nov 8, 2023



Asynchronous Online Learning Module (SLS)

Learn about the AI-ELD Process via Singapore's Student Learning Space (SLS).

vle.learning.moe.edu.sg · Nov 20, 2023



AI-Enhanced Lesson Design (AI-ELD) Process

up.raindrop.io · Nov 8, 2023



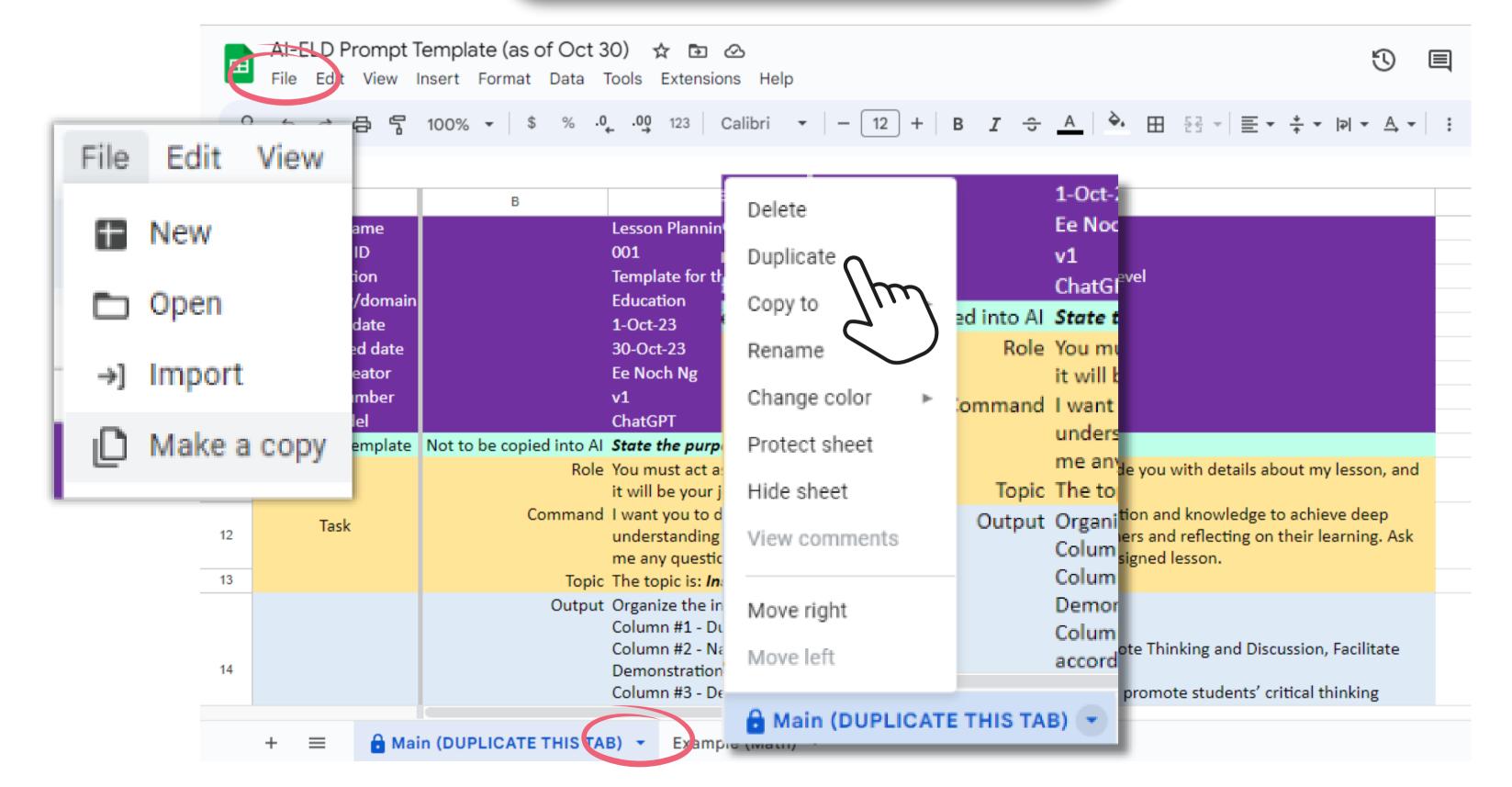


Part 1: AI-ELD Prompt Framework

Use this prompt framework to generate lesson plans using Al.

docs.google.com · Nov 4, 2023

BIT.LY/AIELD



WHAT TO DO?

- 1. Create your own AI-generated lesson plan!
- 2. Share your questions, comments or feedback.

SHARE YOUR THOUGHTS

What aspect of using AI to generate lesson plans EXCITES you the most?

What was the MUDDIEST point of today's session?





Session feedback survey



We believe in the value of feedback.

Share how it went at:

bit.ly/seqcon2024

