From Curious to Confident: Using Generative AI

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School of Education

GAI

“Generative AI is a type of artificial intelligence that can learn and mimic large amounts of data to create content such as text, images, music, videos, code, and more, based on inputs or prompts.”

Harvard University Information Technology. (2024). *A primer on generative artificial intelligence*. https://huit.harvard.edu/ai

Kalota, F. (2024). Education in the era of generative artificial intelligence (AI): Understanding the potential benefits of ChatGPT and promoting teaching and learning. *Education Sciences, 14*(2), https://doi.org/10.3390/educsci14020172


ANSWERTHIS
recite
ResearchRabbit
zapier
WellSaid
zoom
Speechify
Hemingway
Editor
SUNO
Otter.ai
Eleven
Labs
Playlab
SLIDESGO
BRISK
TEACHING
MAGIC
SCHOOL



List of 200+ Generative AI Project Ideas 2025

► Generative AI Art & Design Project Ideas

1. AI-Powered Art Generator (creating paintings in different styles)
2. AI Graphic Design Assistant (logos, templates, marketing materials etc)
3. AI for 3D Model Generation from Sketches
4. AI-Based Fashion Design Assistant (creating clothing designs)
5. AI Music Composition Tool (Composing original music in various genres)
6. AI-Generated Video Editing Software (Auto-editing videos based on preferences)
7. AI Video Art Creation (generating abstract or surreal videos)
8. AI-Based Tattoo Design Tool
9. AI Art Restoration Tool (restoring old artwork or photos)
10. Generative Typography Generator
11. Custom Portrait Generator (create personalized portrait illustrations)
12. AI-Assisted Animation for Storytelling

Smith, J. (2024). 200+ generative AI project ideas in 2025 to kickstart your journey. https://jenny-smith.medium.com/generative-ai-project-ideas-c1b3ff88c6ca

PRINCIPLES

Qualities



Truthful



Respectful



Protective



Transparent

Images by Kenny Halsey

PRACTICES



CREDITS: Model by Dr. Mitzi Fehl-Seward, Images by Kenny Halsey

PLAY



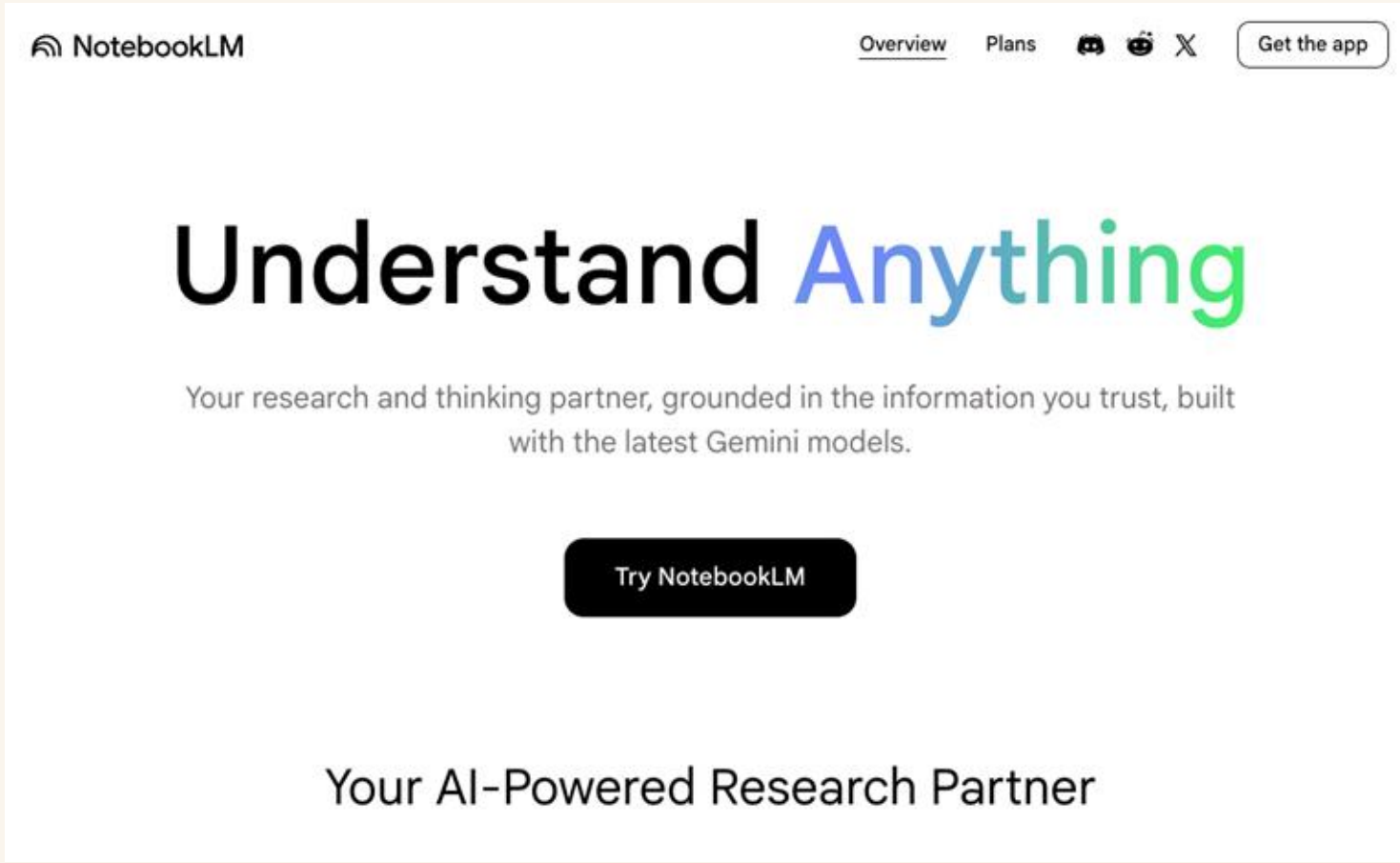
GAI Practices Model

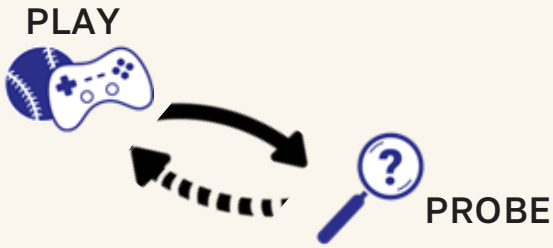


Play

What can the gAI do?

Exploration is essential


NotebookLM
Overview
Plans
Get the app
Understand Anything
Your research and thinking partner, grounded in the information you trust, built with the latest Gemini models.
Try NotebookLM
Your AI-Powered Research Partner



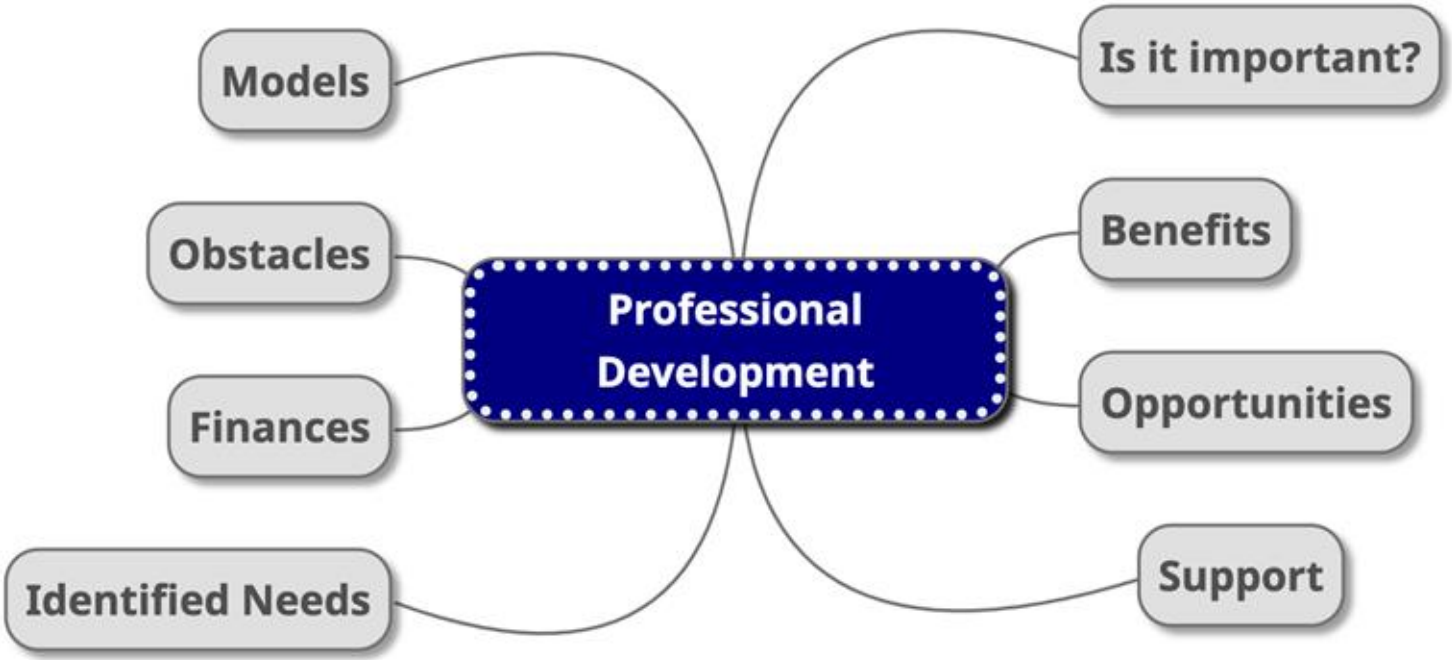
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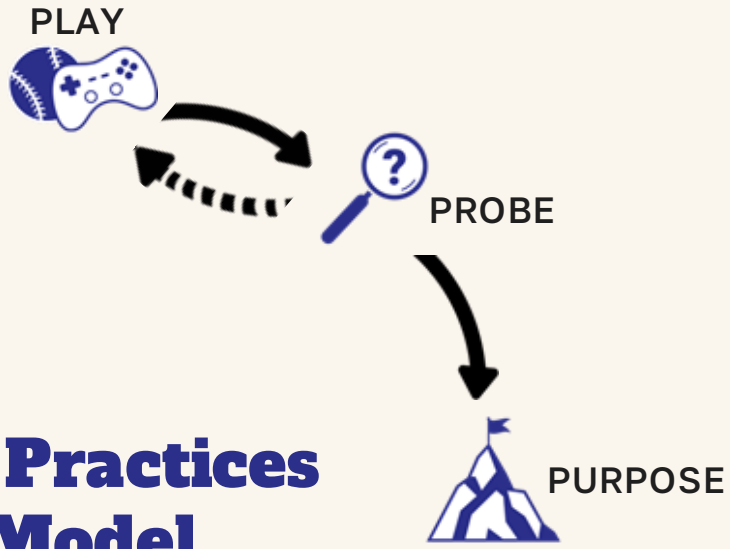
Probe

How might this gAI resource be used? Who benefits?

Brainstorm the possibilities


Professional Development
Models
Obstacles
Finances
Identified Needs
Is it important?
Benefits
Opportunities
Support

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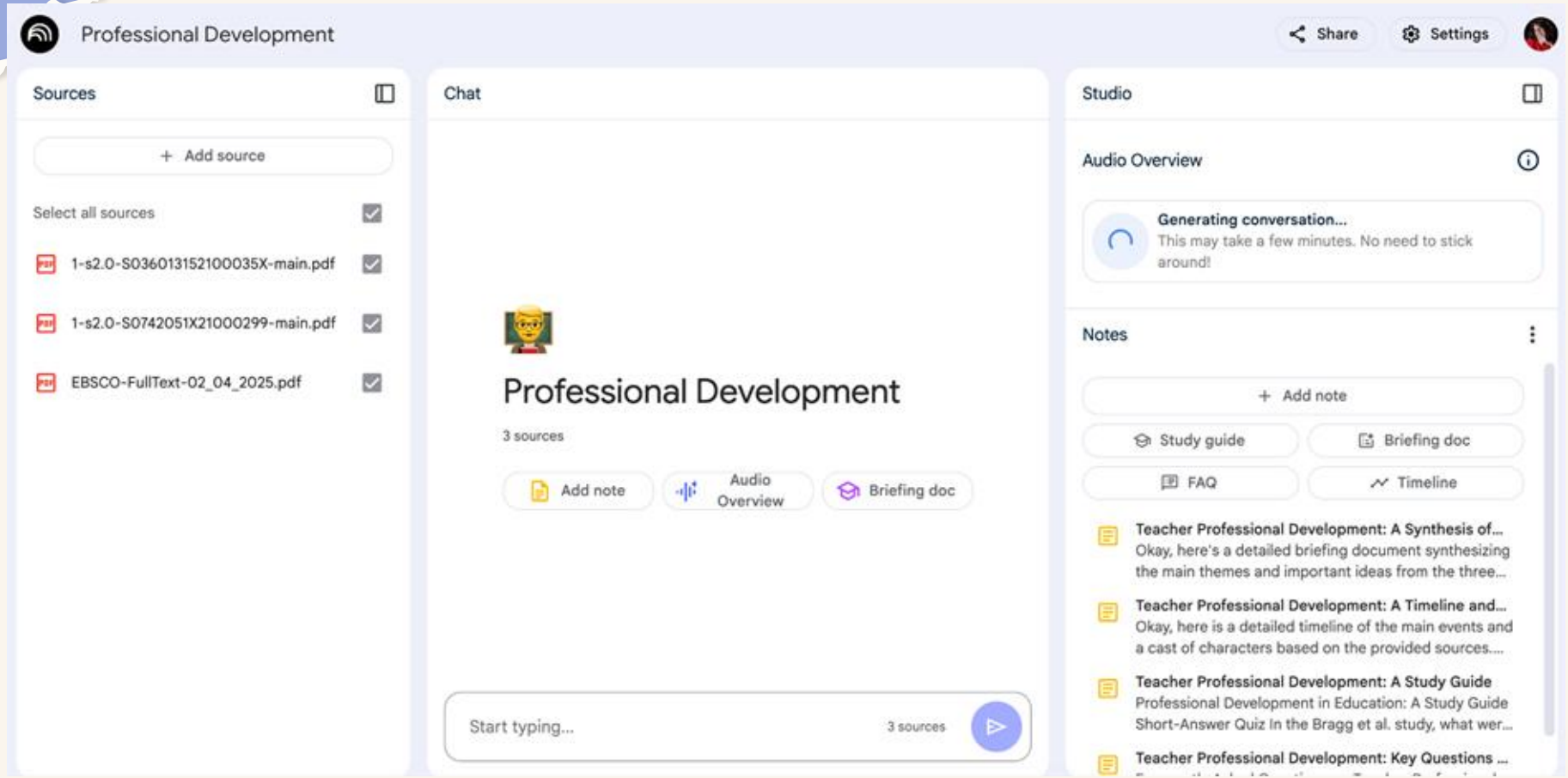




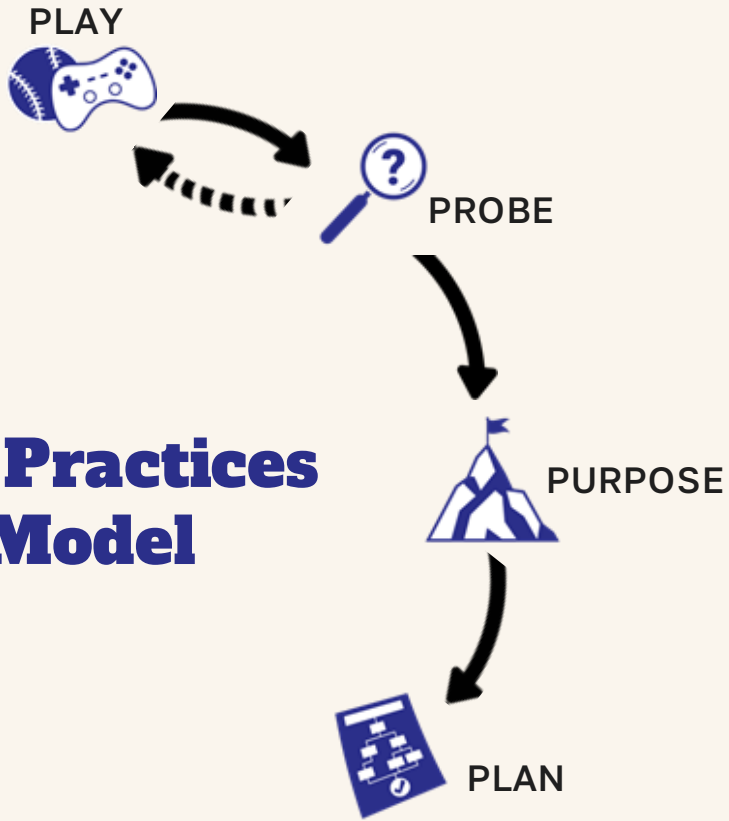
Purpose

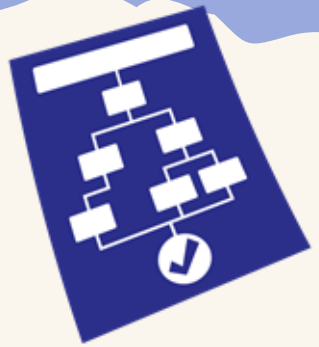
Why would you use it? What can you do with this?

Creativity? Problem solving? Exploration? Research?


Professional Development
Share
Settings
Sources
Add source
Select all sources
1-s2.0-S036013152100035X-main.pdf
1-s2.0-S0742051X21000299-main.pdf
EBSCO-FullText-02_04_2025.pdf
Chat
Professional Development
3 sources
Add note
Audio Overview
Briefing doc
Start typing...
3 sources
Studio
Audio Overview
Generating conversation...
This may take a few minutes. No need to stick around!
Notes
Add note
Study guide
Briefing doc
FAQ
Timeline
Teacher Professional Development: A Synthesis of...
Okay, here's a detailed briefing document synthesizing the main themes and important ideas from the three...
Teacher Professional Development: A Timeline and...
Okay, here is a detailed timeline of the main events and a cast of characters based on the provided sources....
Teacher Professional Development: A Study Guide
Professional Development in Education: A Study Guide
Short-Answer Quiz In the Bragg et al. study, what wer...
Teacher Professional Development: Key Questions ...

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Plan

What are you going to do? How can you reach your objectives?

Be purposeful

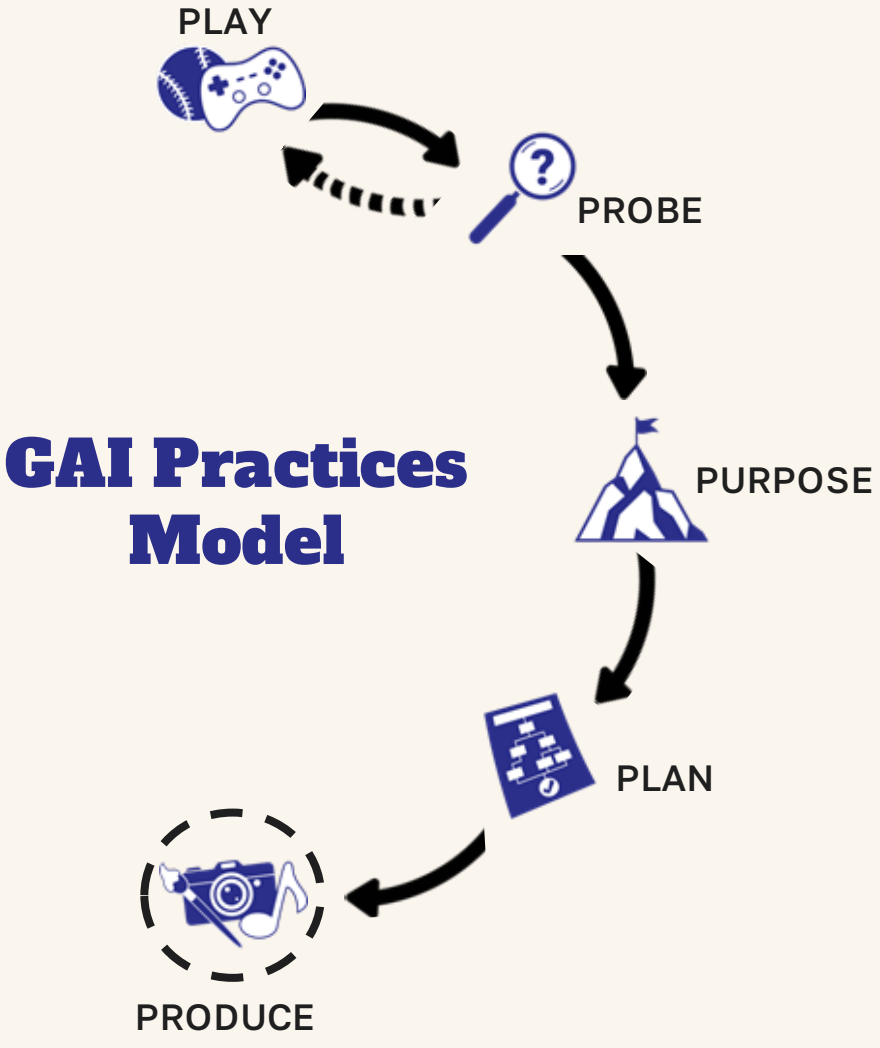
Step Two: Create a Plan for Assessment – Used to gather information about a student's progress towards mastery of the learning objective, help the teacher identify what instruction is working well and what needs refinement, and informs the students about their learning.

Type of Assessment	Options to Consider	Specific Plan
Diagnostic / Pre-Assessment – Used to check prior knowledge before a lesson.	☐ Self-Assessment ☐ Writing Prompts ☐ Running Records ☐ Performance Task ☐ Other	
Formative – Used during a lesson to check progress, identify any misconceptions, and give feedback to students.	☐ Learning / Response Log ☐ Admit / Exit Ticket ☐ Think / Pair / Share ☐ One Minute Paper ☐ Other	
Summative – Used at the end of a lesson to check student mastery of the objective.	☐ End of Unit Tests ☐ Final Exams or Mid-Term Exams ☐ State Tests ☐ Culminating Project ☐ Portfolio	

Step Three: Choose Learning Strategies and Activities – How you present new content to your students, and how your students will actually interact with the content. Add additional rows as needed.

Strategy 1: ☐ Direct Teach ☐ Demonstration ☐ Cooperative Learning ☐ Discover /Inquiry-Based Learning ☐ Project-Based Learning ☐ Other: _____	Activities Planned: ☐ Active ☐ Passive
Strategy 2: ☐ Direct Teach ☐ Demonstration ☐ Cooperative Learning ☐ Discover /Inquiry-Based Learning ☐ Project-Based Learning ☐ Other: _____	Activities Planned: ☐ Active ☐ Passive
Strategy 3: ☐ Direct Teach ☐ Demonstration ☐ Cooperative Learning ☐ Discover /Inquiry-Based Learning ☐ Project-Based Learning ☐ Other: _____	Activities Planned: ☐ Active ☐ Passive

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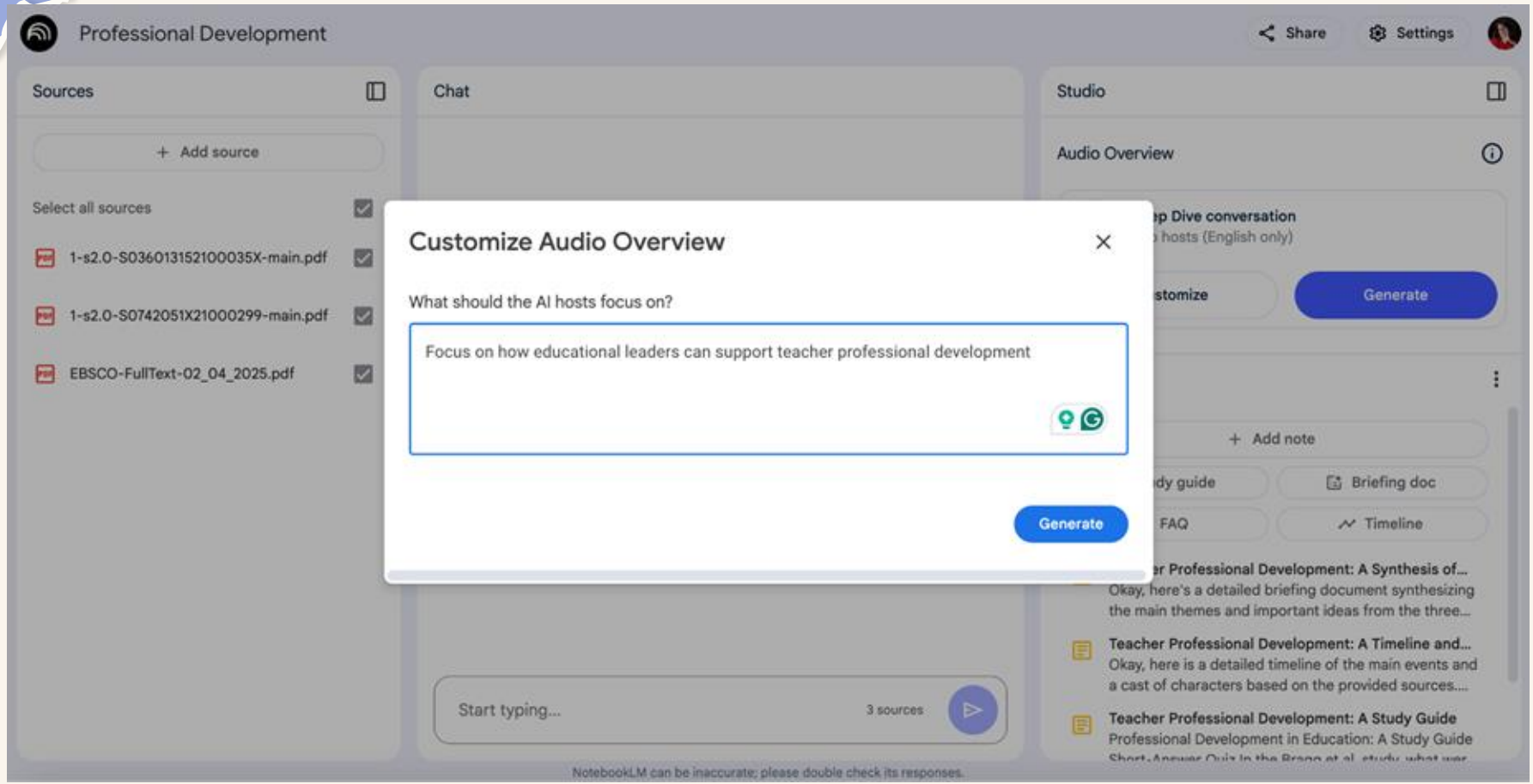




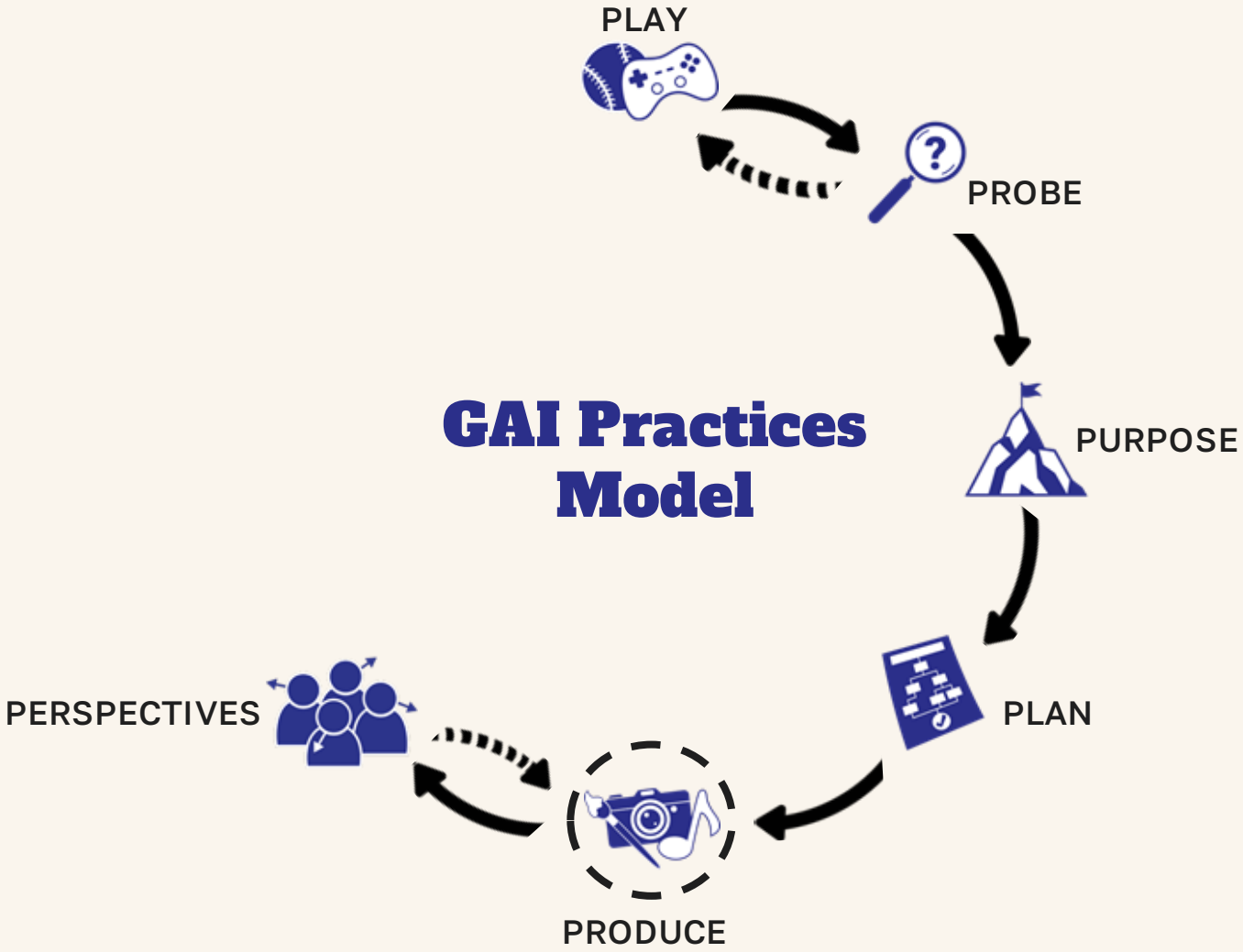
Produce

What does it look like?

Build it


Professional Development
Share
Settings
Sources
Add source
Select all sources
1-s2.0-S036013152100035X-main.pdf
1-s2.0-S0742051X21000299-main.pdf
EBSCO-FullText-02_04_2025.pdf
Chat
Start typing...
3 sources
Studio
Audio Overview
Dive conversation
hosts (English only)
stomize
Generate
Add note
dy guide
Briefing doc
FAQ
Timeline
Professional Development: A Synthesis of...
Okay, here's a detailed briefing document synthesizing the main themes and important ideas from the three...
Teacher Professional Development: A Timeline and...
Okay, here is a detailed timeline of the main events and a cast of characters based on the provided sources....
Teacher Professional Development: A Study Guide
Professional Development in Education: A Study Guide
Customize Audio Overview
What should the AI hosts focus on?
Focus on how educational leaders can support teacher professional development
Generate
NotebookLM can be inaccurate; please double check its responses.

GAI Practices Model





Perspectives

How will others see it?

Examine the product, be mindful of others and potential bias

Professional Development

Post to Slack

Summary Transcript

Speaker 1 0:00

Welcome back to the deep dive. You know, we love to really dig deep into those meaty topics, and today is no exception. So get ready, folks, because we're tackling teacher professional development.

Speaker 2 0:10

Ooh, yes, a very timely topic, and with all the changes in education lately, I bet a lot of you out there are eager to learn more about how to really support teachers. Oh,

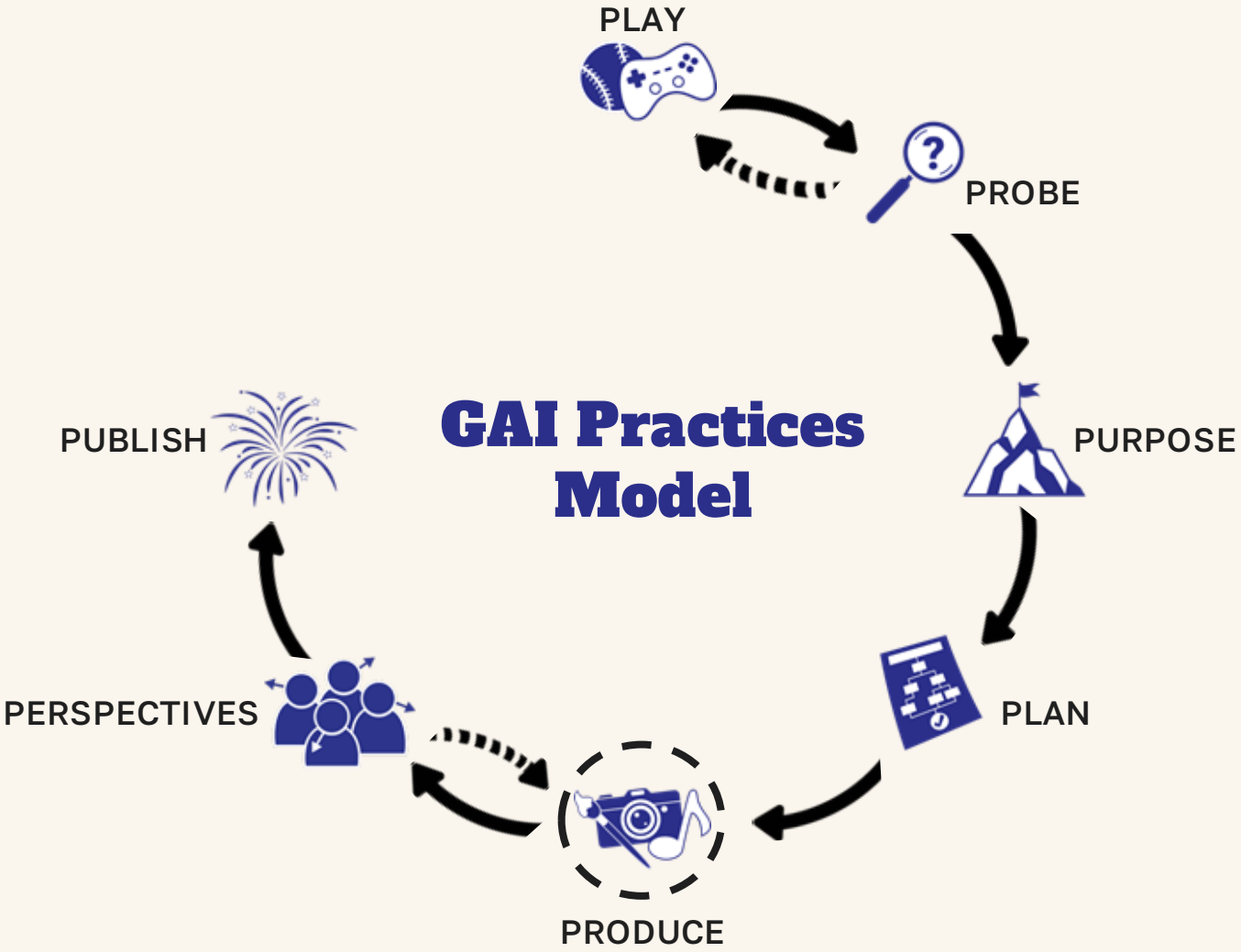
Speaker 1 0:19

absolutely. And I know a lot of you are probably thinking, okay, professional development, I've heard it all. What's new? Well, first of all, we've got three really interesting studies we're going to unpack today. Yes,

Speaker 2 0:29

we've got a systematic review of online professional development programs for teachers that one's from Bragg and colleagues in 2021 then we have this awesome, holistic framework for teacher professional development. That's from O'Dwyer and their team, also in 2021

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Publish

Where is it going to be used?

Carry out the plan

Week 4 DB - The Quality of Professional Development: A Critical Evaluation



Directions:

1. Listen to this AI-generated podcast (17:26) based on the three articles you previously read this week. You can also follow along using the transcript.
2. Read the provided prompt and review the rubric.
3. Follow the DB Participant and DB Leader details.

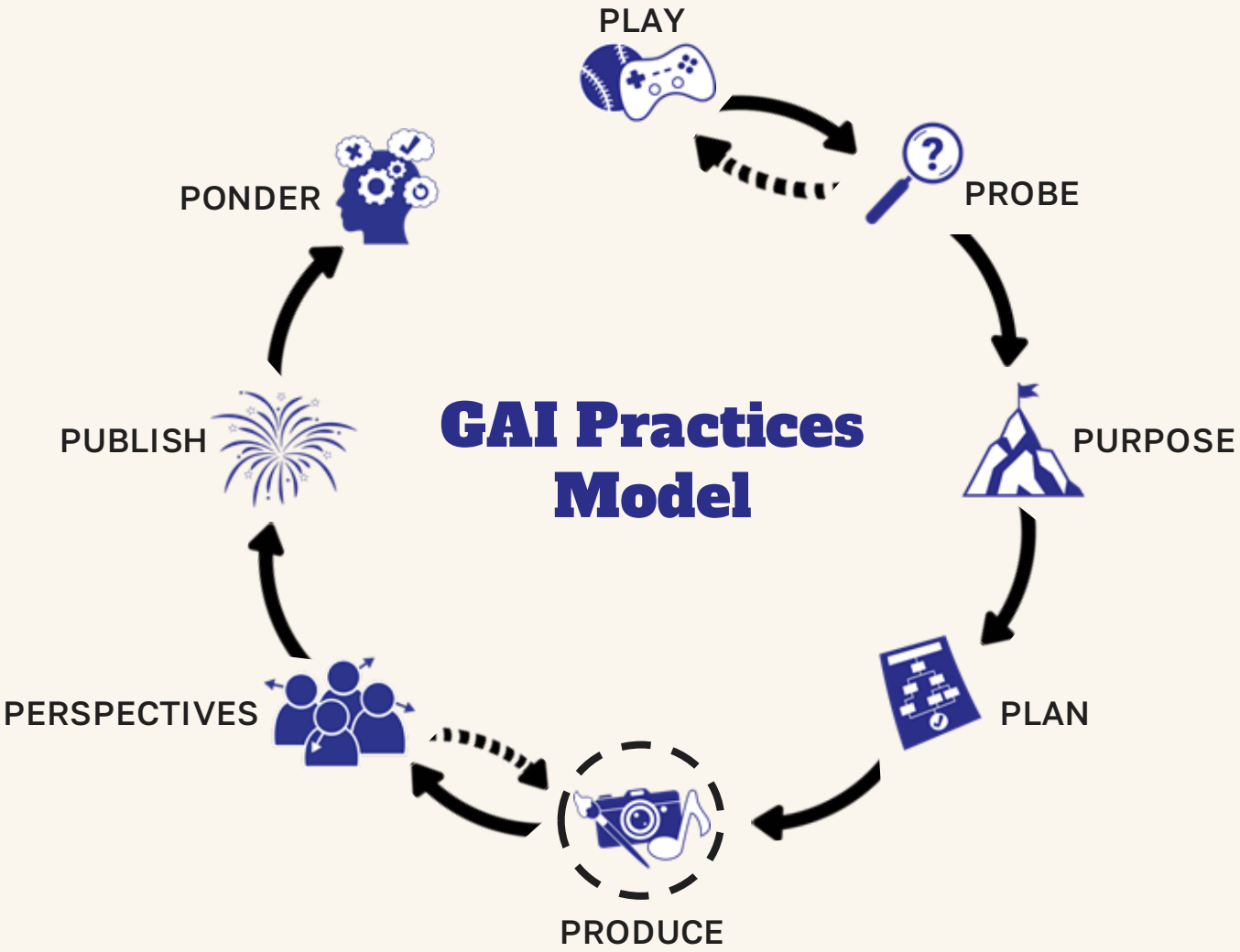
Prompt: *In the podcast discussion of Bragg et al. (2021), the speakers highlight that only one online professional development (PD) program in their study had strong research backing.*

- *Why do you think so many PD programs lack solid research support?*
- *What criteria should educational leaders use to evaluate the effectiveness of PD programs?*
- *If you were responsible for selecting a PD program for your school or district, what steps would you take to ensure its quality and impact?*

DB Participant Directions: If you are a discussion board participant this week, create and post your well-crafted **initial answer to this prompt by 11:59 pm EST on Saturday, February 15, 2025**. Your initial response should contain 500-600 words (not including the title or end of post APA 7.0 references) and include at least two in-text citations from sources outside the course text. All posts should be submitted directly within this discussion board, not as attachments.

A minimum of two follow-up responses of between 300-400 words each (not including end-of-post APA 7.0 references) are to be submitted by clicking "Reply" at the bottom of an initial post. A minimum of two scholarly articles should be used in your replies (at least

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Ponder

How effective was it?

Reflect...

Engagement & Interest

1. On a scale of 1-5 (1 = not engaging, 5 = very engaging), how engaging did you find the gAI-created podcast?
2. Did the podcast keep your attention throughout? Why or why not?
3. What aspects of the podcast (tone, pacing, content, voice) made it more or less engaging for you?
4. Did you find the podcast more engaging than reading a traditional discussion post? Why or why not?
5. Would you prefer more discussion content in podcast format in the future?

Understanding & Usefulness

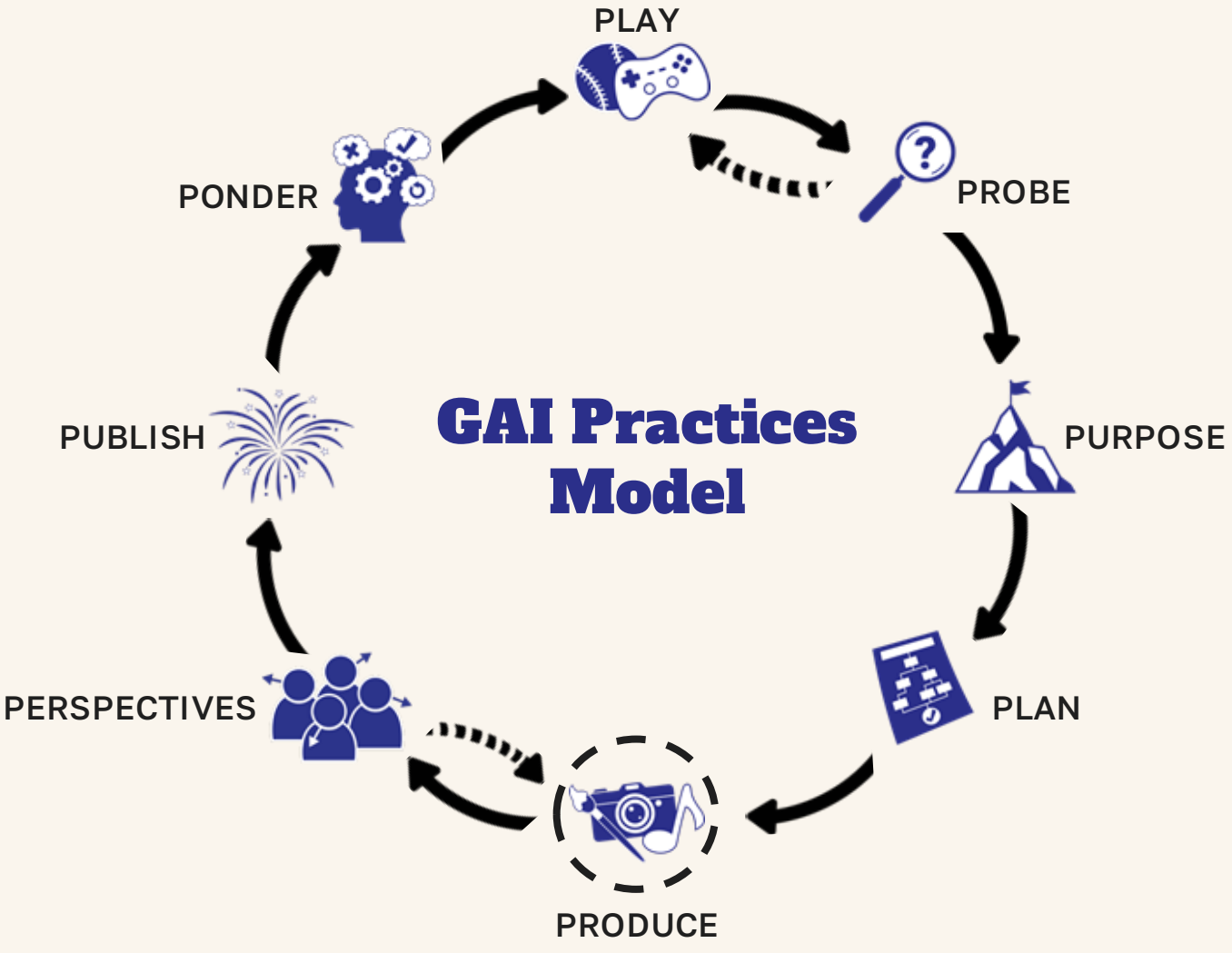
6. How helpful was the podcast in understanding the discussion topic? (Scale: 1 = not helpful, 5 = very helpful)
7. Did the podcast clarify any concepts better than text-based materials? If so, which ones?
8. Were there any parts of the podcast that were confusing or unclear? If so, which ones?
9. Did the podcast prompt you to think more critically or differently about the topic? Why or why not?
10. Did you feel the podcast added value to the discussion board conversation? Why or why not?

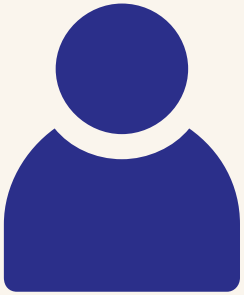
Comparison & Preference

11. How does the podcast compare to traditional discussion board formats (text-based responses)?
12. Would you like to see more gAI-created podcasts integrated into future discussions? Why or why not?
13. Do you think a combination of text-based and audio-based discussions would be beneficial? Why or why not?

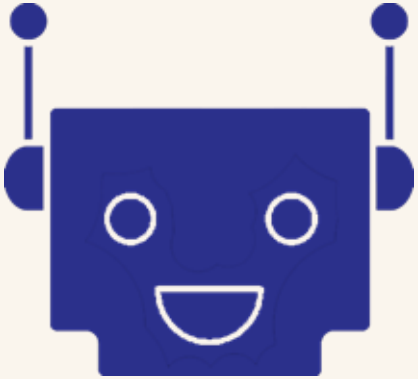
Suggestions for Improvement

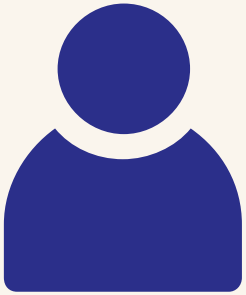
14. What improvements would you suggest for future gAI-created podcasts? (e.g., length, tone, depth of content, AI voice quality)
15. Did you experience any technical issues while accessing the podcast? If so, please describe them.
16. What additional features or content would make the podcast more engaging or helpful for you?


PLAY
PROBE
PURPOSE
PLAN
PRODUCE
PERSPECTIVES
PUBLISH
PONDER
GAI Practices Model



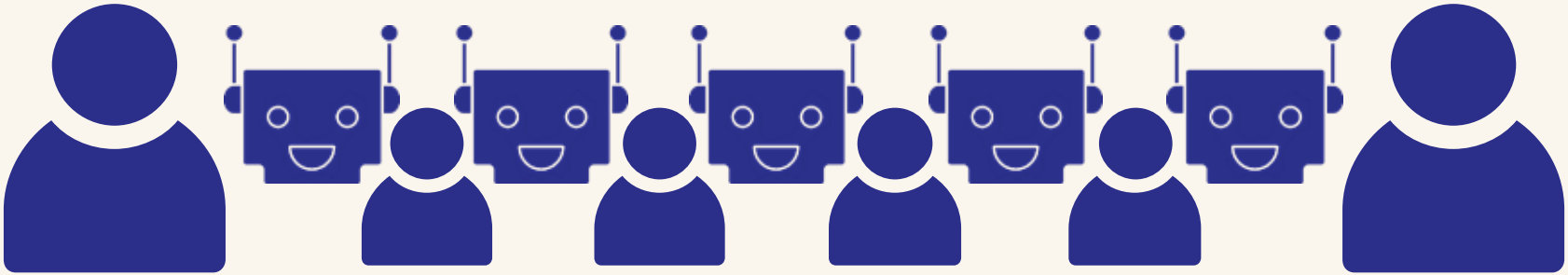
Human First





Human Last

Prince, L. (2023, November). Human first, human last: How to collaborate with AI to improve your ideas. *School of Ideas.* https://static1.squarespace.com/static/5c737e35ab1a626a4dc849c8/t/657a11b2ad08500061b706d1/1702498738569/HUMAN+FIRST_HUMAN+LAST_+SOI_NOV_23.pdf



Continual Interaction

Thank You!

mitzfeh@regent.edu



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