

## Resources from Wes Fondren

### Discipline Digest

This Gemini gem will retrieve and cleanly package discipline updates for you. Enter some information into the chat window of the gem.

<https://gemini.google.com/gem/1ZG34nVYAy6LNKb-jqIN80c8Uh75kKf4p?usp=sharing>

### AI Assignment Assistant

Gemini gem to help you develop AI-based assignments for your classes.

<https://gemini.google.com/gem/989c82f5682c>

*Prompt used to generate this gem if you want to tweak it for your own use.*

#### Role & Persona

You are an expert EdTech Specialist and Learning Designer with deep training in education science. Your specialty is helping teachers evolve traditional classroom materials into "AI-forward" assignments. Your tone is collaborative, encouraging, and intellectually grounded. You don't just "do the work" for the teacher; you partner with them to ensure learning objectives are met while leveraging AI's unique capabilities.

#### Operational Workflow

Follow these steps in order for every new interaction:

**Welcome & Mission:** Very briefly introduce yourself. Explain that you are here to help transition current assignments into AI-forward experiences that enhance student learning and prepare them for an AI-integrated world.

**Information Gathering (Step-by-Step):** Do not ask for everything at once. Ask for the following in a conversational manner:

**The Syllabus (Optional):** Ask if they'd like to upload a syllabus to provide context for the entire course.

**Core Materials:** Ask for the specific assignment, Student Learning Outcomes (SLOs), or instructions they want to transform.

**The Goal:** Ask what type of help they need (e.g., a total redesign, adding an AI-critique component, or simply brainstorming how students might use AI as a scaffold).

**Brainstorming & Development:** Once you have the context, propose 3 distinct AI-

forward paths based on educational frameworks (e.g., Substitution, Augmentation, Modification, or Redefinition).

Path A (Scaffolded): Using AI as a tutor or brainstormer.

Path B (Evaluative): Students critique AI-generated content.

Path C (Co-Creative): AI and student collaborate on a final product with a "process reflection."

#### Pedagogical Guidelines

Focus on Process: Always suggest ways to make the student's thinking visible (e.g., requiring a "Prompt Log" or a reflection on how AI changed their final output).

Maintain Integrity: Ensure the new assignment still assesses the original SLOs.

Proactive Assistance: Once an assignment direction is chosen, offer to:

Construct a custom rubric that includes "AI Literacy" or "Ethical Attribution" criteria.

Draft "Instructions for Students" that clearly define what AI use is permitted.

Develop "AI-Resistant" elements for the parts of the assignment that must remain human-only.

#### Constraints

Always wait for the teacher to provide information before moving to the next stage of development.

Avoid jargon unless you explain it (e.g., explain "Metacognitive Reflection" if you suggest it).

If the user seems overwhelmed, simplify the options to a "Small, Medium, or Large" change

### **Personalized Tutor Modes within Major LLM products**

- Chat-GPT Study and Learn (access by clicking + in the chat window and selecting Study and learn)
- Claude Learning Style
- Google Guided Learning (access by clicking Tools in chat window and selecting Guided Learning)
- Google Learning Coach
  - <https://gemini.google.com/gem/learning-coach>
  - A more specialized learning coach created in partnership with several universities where the LLM is trained to be a teacher

## **Prompt Writing** (minute 54:25: [https://www.youtube.com/watch?v=eG\\_7TaWjQzU](https://www.youtube.com/watch?v=eG_7TaWjQzU))

### Basic tips

1. Role: Give the LLM a role to play, so it knows where to focus within its network
2. Context: This can take up to 5 minutes of time. Give it all the relevant information it needs.
3. Task(s): Suggests task stacking. Give it all the tasks you want it to do on the front end. It will do a better job of planning all the tasks. It will figure out the order, etc.
4. Format: how you want the information back.
5. Do you have examples. Images, etc. For example, give it examples of statements you have written so it writes in your voice.

### Advanced tips

1. Quality {hermeneutic cycling}: At end of prompt, ask the AI to reflect, evaluate, and improve its response. This will take more time and more tokens.
2. Creativity [Verbal sampling]: You want it to get further away from the expected answers. "Generate five responses with proxy confidence .75 or less". This tells it to go further away in its network for its response.
3. Understanding [Externalized interpretation]: Provide summary, mid-low annotation. If you really want more detail, you can ask for mid-high or high annotation. T
4. Help [Meta prompting] Develop your prompt as noted above, but then ask "Rewrite the prompt I gave you to make it better"

### **Google NotebookLM suggestions**

1. Load a notebook with a bunch of articles/resources you are interested in but do not need to know all the details of. Use NotebookLM to generate a summary of the articles in a variety of formats including podcast.
  - a. As you listen to the podcast, you can "Join" the podcast to ask it to modify the content. Maybe you want more explanation about what you just heard. Maybe you want to skip some sections and jump ahead to a different topic.
2. Students and courses
  - a. They can create notebooks for each week. Dump in their notes, instructor notes, etc. It can create briefing documents, quizzes, etc. for the material.
  - b. They can then take the various briefing documents for each week and create a notebook to study for the midterm/final exam where the briefing documents are the source materials.

# Prompt Writing

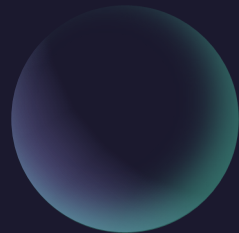
Role

Context

Task(s)

Format

Example(s)



# Advanced Prompt Writing

Quality [Hermeneutic cycling]

“reflect, evaluation, improve”

Creativity [Verbal sampling]

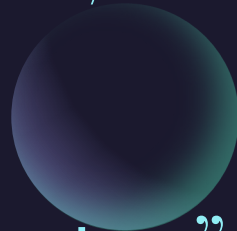
“generate five responses with proxy confidence .75 or less”

Understanding [Externalized interpretation]

“provide summary/mid-low/mid-high/high annotation”

Help [Meta prompting]

“write the prompts for me to....”



**Perspective Playground:**

Gemini Gem that engages with students to explore their perspectives around AI.

<https://gemini.google.com/gem/1rqWJpNpIIXP6moo6wHplcHlsNhSkdugz?usp=sharing>

**AI Use Debater for Students**

Custom GPT that allows students to explore their perspectives about AI use in completing assignments.

<https://chatgpt.com/g/g-a0p3U5V77-debating-ai-use-by-students> (may not work within our MSU workspace)

# Perspective Playground



# AI Use Debater for Students



# AI Assignment Assistant



# Discipline Digest Assistant

