Generative AI Based Activities
Using GenAI in Writing Assignments
SPACE Framework

Description

Many disciplines use writing as a means of measuring student competency. As GenAI is so effective (approximately a C+ level) at generating written text, many have expressed concerns with relying on this approach.
An effective approach is to design writing assessment to incorporate the use of Generative AI. This approach will also provide students with AI experience similar to what they can expect as graduates.

Objectives

- Demonstrate understanding of lesson topic.
- Effectively think through and construct an argument in writing.

Objective AI

- Use AI effectively as a tool for writing
  - Skill Development
- Students develop experience working with Generative AI, learning the strengths and weaknesses of the tool
- Prompt Engineering
- Student learn and practice prompt engineering to yield a particular result.

Instructor Prep

- Instructor thinks through the scope and topic of the written assignment.
- Instructor determines expected output, timelines and level of AI usage.
- Instructor communicates the assignment parameters and expectations.
- Instructor provides information to students on using the model, criteria and rubric for grading.
- Instructor determines and communicates expectations regarding questions and what to do if tools change by adopting AI.

The Model

Set Directions
- What are the goals, objectives, content and audience that the AI is generating material for?

Prompt
- To produce the specific outputs needed, multiple prompts developed over many iterations will be required.

Assess
- The generated content may or may not be relevant, correct, accurate. through assessing the content, required changes to the prompts can become evident.

Curate
- The AI has generated much information over many prompts and iterations. pull together the information that is usable with the human generated content to begin the final document.

Edit
- Bring the content together and edit the human and AI content into a cohesive document fit for academic or professional review.

Steps for Activity

Generally
1. Student selects a topic for the assignment.
2. Student creates a short initial perspective.
3. Students prompts AI to provide a generated perspective and insight into the topic.
4. Student conducts research based on the generated output and their own questions.
5. Student pulls the strongest material together from the AI and their own work.
6. Student writes final paper using information from all sources.
7. Student writes a reflection paper to accompany their academic/professional paper.
8. In the reflection paper the student describes what changes were made between the submitted work and their original and AI generated material, paying attention to the strengths and challenges of their experience.

[Teaching Students to Write with AI: The SPACE Framework | by Glenn Kleiman | The Generator | Medium](#)