Generative AI Based Activities

Learning Activity:
In-Class Think-Pair-Share

Description

This strategy transforms the traditional Think-Pair-Share assessment strategy by integrating a virtual teammate - Generative AI. You can use this strategy during a live class to leverage the benefits of AI while providing the responsible and ethical boundaries of class discourse and context.

Application
- This activity can be used for introducing new concepts in any discipline.

Level
- This activity is well-suited to introducing concepts, and with a little effort, can easily be expanded to more advanced levels.

Objectives

- Expanding Perspectives
  - Students learn from each other and GenAI
- Enhanced Engagement
  - Working with GenAI can enhance participation and develop in demand skills
- Deepening Understanding
  - Learners are encouraged to engage in critical assessment of perspective

Steps for Activity

1. Instructor introduces topic for discussion
2. Students independently think about/record their initial thoughts on the topic.
3. Students, in pairs, share the ideas they came up with.
4. The learner pairs then consult with the AI to see what other/additional ideas it comes up with. Learner pairs are expected to provide at least two follow up prompts after the initial response.
5. The learners, in pairs, share the best ideas with the larger group. Some thought should be paid to why they choose the option they did.
6. Reflection: students take two minutes to consider the strengths and challenges of working with GenAI, the follow-up prompts they provided and if there was a significance in the answers to the follows ups.

Sample Prompts

Consider things like:
- Background
- Scope
- Objective
- Audience
- Timeliness
- Persona
- Points for follow-up.

Sample Prompts

Initial Prompt:

"you are an intelligent and capable source of information on the future of genetic engineering. What do you feel is the key relevant information that would be the most impactful for a second-year biochemistry course in university? The purpose of the information you provide is to stimulate further higher order discussions around this topic. It is important for this information to be accurate so please take your time in constructing an answer that prioritizes accuracy."

Follow-up:

"Please consolidate your answer into 3-5 bullet points that you feel are most critical to this discourse and provide a rationale for why you have chosen the points you did."

Feel free to continue refining and adding to your prompt until you receive an answer you want or feel is useful for this activity.