

## **Class Discussion and Assessment on Topic #2: What are the Ethical Concerns Centered around AI Use?**

### **Description**

- Demonstrate in pre-lab answering some chemistry questions with AI models.
- Class discussion on ethics of using AI to get answers
  - Safety of AI – <https://scottaaronson.blog/?p=6823>
  - <https://teaching.cornell.edu/generative-artificial-intelligence/ethical-ai-teaching-and-learning>
- Have students look for patterns in AI responses
  - <https://www.technologyreview.com/2022/12/19/1065596/how-to-spot-ai-generated-text/>
- Ask students to craft their own questions and answer them in AI model of their choice and share results on Discussion board
  - <https://ditchthattextbook.com/ai-tools/>
  - <https://www.tryinteract.com/blog/make-a-quiz-with-openai-chatgpt/#assessment>
- Montreal Declaration (<https://montrealdeclaration-responsibleai.com/the-declaration/>)
  - Equity – how does AI use affect overall test scores? Competition for limited positions (professional schools)
  - Prudence – does AI give valid answers? Can it address specific problems and account for variables?
  - Responsibility – if you use AI and it provides an errant response, who is to blame?
- What are the stakes for relying on AI?
  - No power – what do you do?
  - Unusual case – can you oversee/troubleshoot the response? (X-Files – Fight the Future)

### **Assessment #2**

Dropbox Document containing the following tasks:

- Task A: Create a question from a prompt and share and evaluate the answer provided by AI of student's choice
- Task B: Short paragraph about an ethical dilemma and how the student thinks it is best resolved, and what they would *actually* do
- Task C: Definitions of ethical terms from resources provided