

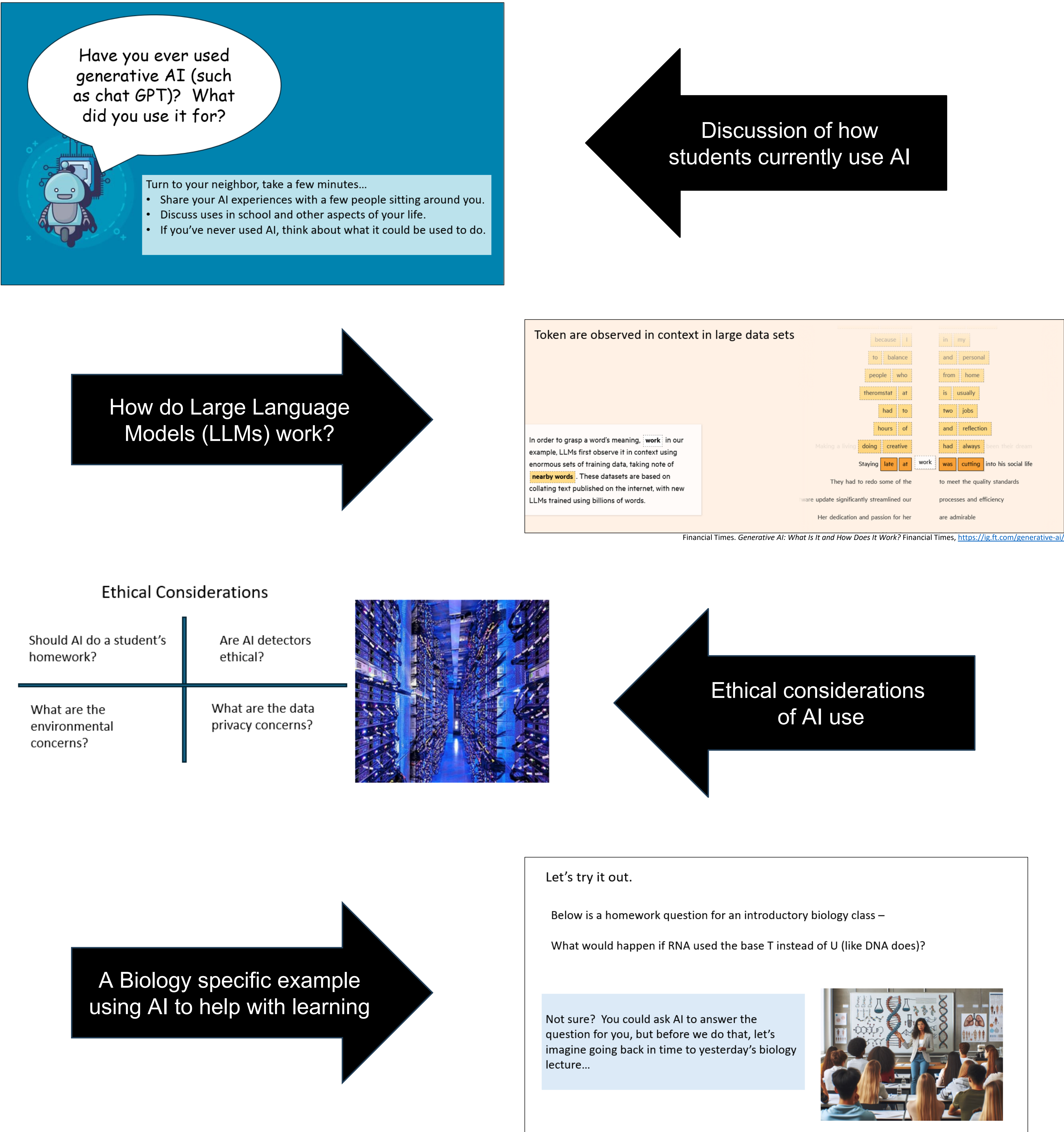
PARTNERSHIP

- A biology professor and linguistics undergraduate teamed up to design this module.
- Student contributions: diverse student viewpoint, ethical concerns, generation of an AI policy
- Faculty contributions: discipline specific content, pedagogy

LEARNING OBJECTIVES

- Explain the principles and mechanisms behind generative AI to a peer
- Identify ethical considerations associated with the development and use of AI technologies
- Differentiate between applications of AI that enhance learning and those that hinder the learning process, providing specific examples
- Develop specific, effective AI prompts tailored for studying and tutoring tasks to optimize learning outcomes.

# AI Literacy in Biology: A 50 Minute Module for Beginning College Students



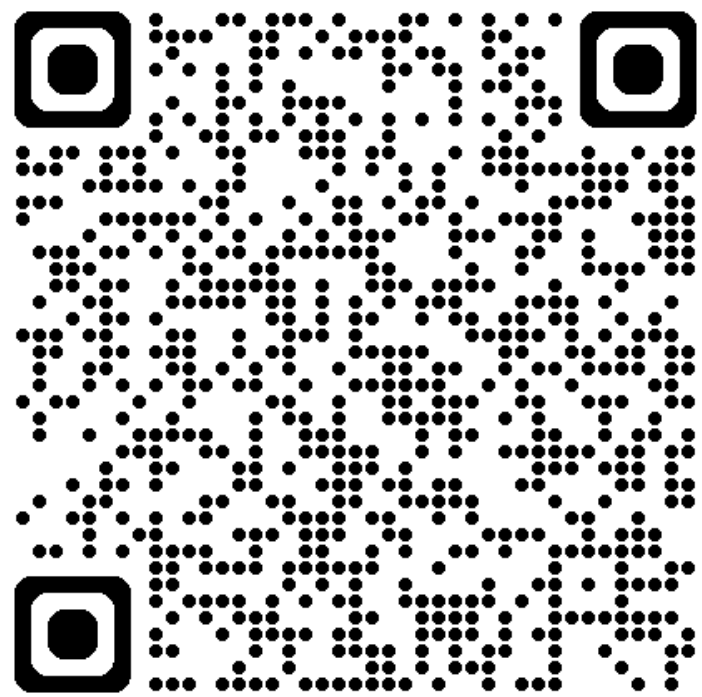
MODULE OUTLINE

- AI Literacy in Biology
- I. Pre/Post Class Assessment
  - II. AI Use Discussion
  - III. How Generative AI Works
  - IV. Ethical Concerns
  - V. AI Prompting
  - VI. Citing AI
  - VII. Biology Specific Example

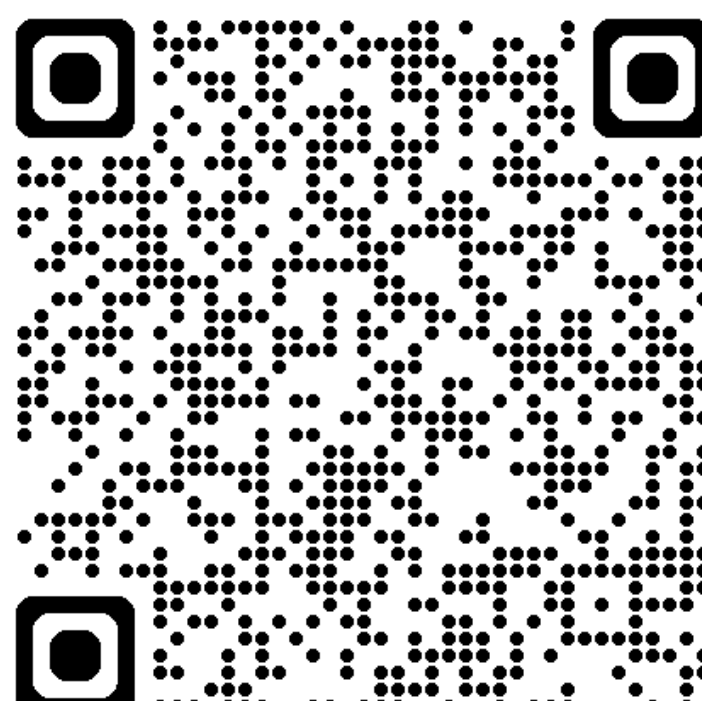
ASSESSMENT

Pre-Class Questions  
In Class Clicker Questions  
Post Class AI Learning Plan

MODULE TEMPLATES



AI Literacy in Biology Slides



General Template Slides

Acknowledgements

Thanks to Jacie Moriyama, Rebecca Lee, the Center for Teaching and Learning/ASSETT Students as Partners Program, and the CU AI Ambassadors program and mentors.