AI in the Classroom

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HSSP Program

AI Workshop
April 12, 2024
Understanding the Limits of AI

Critique output for accuracy
Examine output for biases and stereotypes

What is the amino acid sequence for AUGGUCGCAGGAUUAAGGGAG?

Give me a picture of a scientist.
Give me a picture of a scientist

ChatGPT
I can't directly provide images, but I can describe one for you! Imagine a scientist in a white lab coat, with pens peeking out of the pocket. They might be wearing safety goggles, and their hair could be tied back or hidden under a hairnet. They're likely surrounded by various scientific equipment such as beakers, test tubes, and microscopes, either conducting experiments or analyzing data with a focused expression. Their environment might be a laboratory filled with shelves of books, charts, and scientific instruments.
Give me a picture of a scientist
Using AI as a Tool for Learning

Generate practice problems
Provide feedback on a paper
Check grammar and spelling
Brainstorm ideas
Minimizing the Use of AI

Include information from class
Incorporate very recent papers
Build work in steps with reflection
Ask students to draw by hand
Have students present work orally
Enabling the Use of AI

Project-based learning
Primer: Generative AI

Study Session 1 Introduction to Generative AI

Study Session 2 Generative AI in Learning and Research

Study Session 3 Limitations and Responsible Use of Generative AI
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