

Grade 9 DL: Using AI Effectively

Part 3: Fact-Checking the AI

Objective: Students will learn how to verify AI-generated information and understand what hallucinations are.

Note: YOU WILL NEED TO TAKE SCREENSHOTS OF YOUR WORK AND COPILOT'S RESEARCH FINDINGS AND PASTE IT TO THE APPROPRIATE SLIDE IN YOUR PRESENTATION.



Explanation

1. What Are Hallucinations?

- AI hallucinations (mistakes, errors) occur when the AI provides incorrect or fabricated information. This happens because the AI predicts words based on patterns, **not actual knowledge**.

2. Why Fact-Check?

- Even though AI can provide useful information, it's not always accurate. Fact-checking ensures reliability.

Activity: Fact-Checking AI

Instructions:

1. Ask a Question

Pose a factual question to the AI.

Example: "Who invented the telephone?"

2. Research the Answer

Find the answer using a reliable source like government websites or academic articles, NOT wikipedia.

3. Compare Answers

Look at the AI's response and compare it with your research findings.

4. Trick the AI

Try to ask the same question without using the letter "e" and see if the AI gives you the same answer. (It often struggles with this.)

5. Reflect on Accuracy

Think about whether the AI's response was correct and how you confirmed it.

Discussion Questions (3 to 4 sentences per question):

- Why do you think the AI made a mistake, if it did?
- What steps can you take to ensure the information you use is credible?

Understanding Accuracy in AI:

- **What does 'accurate' mean in relation to AI?**

Accurate means the information provided is correct and matches verified sources.

- **How can you verify the AI's response?**

Use these guiding questions:

- Is the information from a trusted and reliable source?
- Does the answer match what I found in my research?
- Are there multiple sources that confirm the same information?
- Are there any potential biases in the AI's answer?

By following these steps, you will be able to critically evaluate the information provided by AI and enhance your understanding of how to verify facts effectively.