

# Grade 9 DL: Using AI Effectively

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**Introduction:** In this assignment, you will explore how to interact effectively with Artificial Intelligence (AI). You will learn how to create strong (or better) prompts, evaluate and improve your work, and verify information. To demonstrate what you have learned, you will make a PowerPoint or Canva presentation about your exploration of Copilot. This presentation should include screenshots and your response/thoughts on how well AI works for different tasks.



## Part 1: Introduction to AI

**Objective:** Students will understand basic AI concepts and learn how to create effective prompts.

**Note:** *When completing Part 1, Part 2 and Part 3, when asked to use AI, you are required to use CoPilot through Office 365 (view the video).*

### Vocabulary List

- **AI (Artificial Intelligence):** A machine or program capable of mimicking human thinking and decision-making processes.
- **Prompt:** The question or instruction you give to the AI to guide its response.
- **Context:** Background information or details that help the AI provide more accurate and relevant responses.
- **Persona:** A role or personality given to the AI to tailor its responses to your needs.
- **Brainstorming:** A method of generating ideas quickly without judgment or filtering.

### Explanation/Examples

- **What is a Prompt?**
  - A prompt is a question or instruction you give to the AI. The more detailed and clear the prompt, the better the response. For example:
    - Vague prompt: “Tell me about space.”
    - Clear prompt: “Explain how black holes form in simple terms.”

- **Why Use a Persona?**

- By giving the AI a persona, you're giving it a specific role or expertise. This helps refine its answers by giving it context. For example:
  - General AI: "Explain photosynthesis."
  - Persona: "Explain photosynthesis as if you're a grade 9 biology teacher."

## Assignment: Brainstorming Activity

**Step 1:** Choose a topic that interests you. Examples include designing a video game or planning a school event.

**Step 2: Using CoPilot only,** write a detailed prompt. Include a persona for the AI.

- For example: "Pretend you are a professional event planner. Help me brainstorm ideas for a school dance." Feel free to refine your prompt to make it clearer.

**Step 3:** Assess the quality and usefulness of the AI's response.

### **Assessing Quality and Usefulness:**

- **Quality:** Check if the response is clear, detailed, and relevant to your topic.
  - Questions to consider:
    - Does the response answer your prompt?
    - Is the information accurate and well-organized?
- **Usefulness:** Determine if the response offers practical ideas or insights that you can use.
  - Questions to consider:
    - Are the ideas applicable to your project?
    - Do they inspire further thoughts or improvements?

*Use these guiding questions to evaluate the AI's response effectively.*