S1 E1 Worksheet: Using AI for Effective Research and Information Gathering

Objective: Students will learn how to use AI tools to gather information efficiently, refine their questions for better responses, and compare AI-generated results with traditional search methods to evaluate reliability.

Part 1: Asking Effective Questions

1. Choose a research topic (ex. "The effects of plastic pollution on marine life," "The impact of technology on education," or "The history of the space race").
2. Write down three different questions related to your topic. Make sure each question varies in how specific or broad it is. For example:
   o Broad: "What is plastic pollution?"
   o Specific: "How does plastic pollution affect sea turtles in the Pacific Ocean?"
   o Analytical: "What are the long-term effects of plastic pollution on marine ecosystems?"

Task:

- Use an AI tool (ex. ChatGPT) to answer each question.
- Write down the AI's responses.

Reflection:

- Which question yielded the most useful and detailed response? Why do you think that was the case?
- How might you modify your questions to get even more accurate or relevant information from the AI?

Teacher's Notes:

- Encourage students to be critical of the information they find, whether it comes from AI or traditional sources.
- Highlight the importance of asking clear and specific questions when using AI tools for research.
- Discuss the concept of "source credibility" and how it applies to AI-generated content versus traditional searches.