Worksheet #5: "Using GenAI to Create Custom Mind Maps and Concept Webs" All Parts~ S2E10

Overview

This worksheet will help you use AI tools to create a mind map or concept web. Mind maps and concept webs visually organize information, making it easier to understand complex topics and remember key details. Follow the steps below to create your own mind map from a main idea or assignment.

Part 1: Defining Your Main Idea

1. **Identify the Main Idea of Your Project or Assignment**

   o Write down the main topic or focus of your assignment. This will be the center of your mind map.

   o **Main Idea**: _____

2. **Brainstorm Subtopics**

   o Think of 3-5 subtopics or key concepts related to your main idea. These will branch out from the center of your mind map.

   o **Subtopics**:

      ▪ Subtopic 1: _____

      ▪ Subtopic 2: _____

      ▪ Subtopic 3: _____

      ▪ Subtopic 4: _____

      ▪ Subtopic 5: _____

3. **Reflection Question**

   o How do these subtopics relate to your main idea? Why are they important?

Part 2: Using AI Tools to Generate Mind Maps

1. **Selecting an AI Tool**

   o Choose an AI tool to help you generate your mind map. Options include tools like MindMeister, Canva for mind map templates, or Lucidchart.

   o **Chosen Tool**: _____

2. **Inputting Information into the Tool**

   o Start by entering your main idea in the center of the mind map.

   o Add your subtopics as branches from the main idea.

   o Use the tool to generate additional ideas or details for each subtopic, if available.

3. **Reflection Question**

   o Did the AI suggest any new ideas or connections that you hadn't considered? How can these help you understand the topic better?

Part 3: Expanding and Defining Subtopics

1. **Add Details for Each Subtopic**

   o For each subtopic, add a few key details, definitions, or examples. These should further explain or clarify each branch of your mind map.

   o **Example**:

      ▪ Subtopic 1: Definition, key points, examples

      ▪ Subtopic 2: Definition, key points, examples

2. **Organize Subtopics and Sub-branches**

   o Arrange sub-branches logically, grouping related information together. This helps reinforce connections between ideas and improves organization.

3. **Reflection Questions**

   o How does organizing information in branches help you remember it?

   o Are there any areas where you need to add more details or clarification?

Part 4: Reviewing and Using Your Mind Map for Study

1. **Highlight Key Points**

   o Go through your mind map and highlight the most important terms or ideas that you need to focus on.

2. **Use the Mind Map to Quiz Yourself**

   o Cover certain parts of the mind map and try to recall the information on your own. This will help strengthen your memory.

   o **Example Quiz Questions**:

      ▪ What are the main subtopics?

      ▪ Can you define each subtopic without looking?

3. **Reflection**

   o How did creating a mind map help you organize and remember the information?

   o What would you change next time when creating a mind map?

Teacher notes: This worksheet guides students through creating an organized mind map from a main idea and related subtopics. It encourages active reflection, which supports memory retention and enhances understanding.