



Worksheet #4: “Using GenAI to Create Visual Study aids” All Parts~ S2E8

Overview

This worksheet will help you use AI tools to create visual aids from your course notes and content. Visual study aids like diagrams, illustrations, and posters can make complex information easier to understand and remember.

Part 1: Gathering Course Materials

1. Collect Notes and Slides

- Gather your lecture notes and any Google Slides or handouts provided by your teacher.
- Use the checklist below to make sure you have all the essential content to create meaningful visuals.

2. Checklist of Important Content

- **Main Concepts**
- **Key Terms and Vocabulary**
- **Important Diagrams or Processes**
- **Core Examples or Illustrations**
- **Questions or Topics Covered in Class**
- **Any Additional Notes**



3. Reflection Question

- How will creating visuals from these materials help you understand the content better?

Part 2: Using AI Tools to Generate Visuals

1. Selecting an AI Tool

- Choose an AI tool that can help you generate visuals, such as DALL-E for illustrations, Canva for design templates, or Lucidchart for diagrams, Miro, draw.io, coggle, adobe express, AutoDraw Google.
- **Chosen Tool:** _____

2. Inputting Information into the Tool

- Use your notes and slides to decide what kind of visual aid you need.
For example:
 - **Illustrations** for vocabulary or concepts.
 - **Diagrams** to show processes or relationships.
 - **Posters** to summarize main ideas.
- Enter keywords, concepts, or instructions into the AI tool to generate visuals that represent these ideas.

3. Reflection Question

- Did the AI visuals match your expectations? How could you adjust them to better fit your content?



Part 3: Reviewing and Customizing Visuals

1. Edit for Accuracy and Clarity

- Review the visuals generated by the AI. Ensure they accurately represent the content and clarify complex ideas.
- If needed, add labels, annotations, or brief explanations to make the visuals more informative.

2. Organize by Topic or Section

- Group visuals by topic or concept to make them easy to review.
- Consider arranging them in an order that follows the flow of the lecture or course content.

3. Reflection Questions

- How do these visuals help you understand the content more clearly?
- Which type of visual aid do you find most helpful for this topic?

Part 4: Using Visuals for Study and Review

1. Create a Study Display or Poster

- Combine your visuals into a single poster or presentation that you can use as a quick reference.
- If possible, print it out or keep it open while you study.



2. Develop Practice Questions Based on Visuals

- Create a few questions that you could answer by looking at your visuals. This will help you engage with the content more actively.
- **Sample Questions:**
 - Question 1: _____
 - Question 2: _____
 - Question 3: _____

3. Reflection

- How did creating visual aids make studying easier or more enjoyable?
- What would you change next time when creating visuals for a study guide?

Teacher notes: This worksheet helps students transform course content into visual study aids, making studying more interactive and engaging.