

# Addressing Learning Challenges With Generative AI


## A Faculty Guide


*Generative AI provides opportunities to support students struggling in the learning process.*




### Brainstorming

- Choosing topics
- Identifying key details
- Addressing counterarguments
- Overcoming creative blocks in presentations and projects

 Help me choose a topic for a 5-7 minute informational speech. I'm interested in video games and basketball.


 Here are a few topic ideas:  
1...  
2...


 I like topic two. What are 3-5 key ideas I can include...



### Organizing Ideas

- Synthesizing content
- Structuring content coherently for written or oral responses
- Aligning work with assignment requirements

 My paper ideas include "..."  
Can you help me group these into five categories?

 Based on your ideas, here's a way you could structure your response:  
1. Group 1  
    o [student idea]  
    o [student idea]  
2. Group 2...

*Examples adapted from actual student work.*

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### Understanding Concepts

- Applying course concepts to real-world situations
- Breaking down difficult concepts via self-tutoring
- Handling supportive tasks


 I'm getting ready to teach about alienation and capital - can you provide an explanation (at a middle school comprehension level) and a real-life example to introduce the topic?


 Certainly! The concept of alienation is a challenging one. One way to introduce...



### Revising and Editing

- Addressing language barriers for ESL and students with disabilities
- Revising writing for style and context
- Editing for clarity and brevity

 I'm worried about writing an email. Can you offer suggestions for writing the message copied below clearly for my professor?

 Below is a version of your email revised for clarity, and written with your professor as its target audience...

*Examples adapted from actual student work.*

