

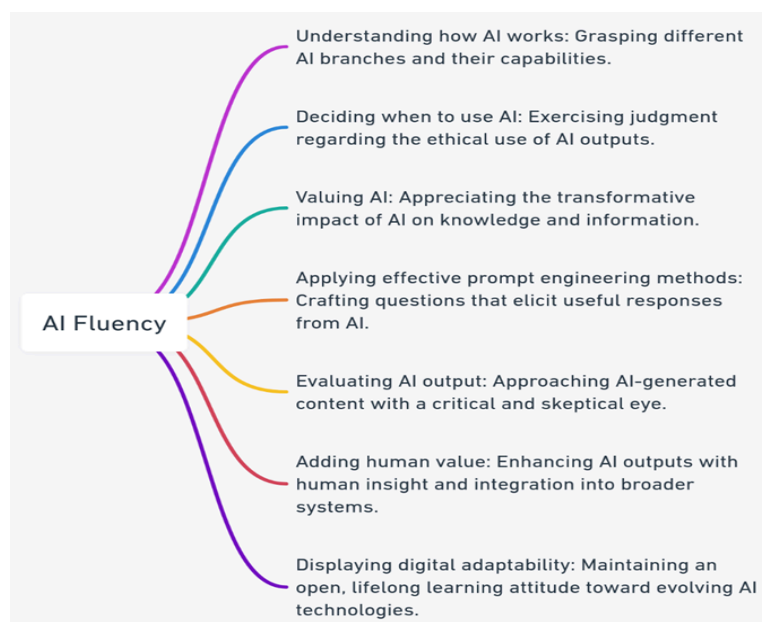
60+ Ideas for ChatGPT Assignments

Introduction:

The emergence of generative AI tools like ChatGPT has created new opportunities and challenges for educators to rethink pedagogy, assignments, and curriculum. The original document titled [60+ Ideas for ChatGPT Assignments](#), spanning over 125 pages, offers concrete strategies for integrating ChatGPT and other AI into higher education classrooms. This document has been thoughtfully condensed by the Center for Teaching and Learning (CLT) into a concise, accessible format for educators. This document aims to enhance the learning experience by providing a digestible overview without losing the essence of the comprehensive original work.

AI tools like ChatGPT present both unique challenges and opportunities for educators. However, AI should not be perceived as an adversary but rather as a powerful ally in the educational landscape. These Large Language Models (LLMs), like ChatGPT, rely on predictive text generation from extensive datasets but lack true understanding of text, generating responses based on learned patterns. In education, ChatGPT presents challenges related to academic integrity due to its ability to generate essays and answers effortlessly. However, the solution lies in strategic integration of AI into the learning process, urging educators to revamp assessment methods to prioritize original, critical, and creative thinking skills that AI cannot replicate. By fostering "AI fluency—the ability to use AI critically and ethically" among students, educators can equip them with the critical acumen and ethical compass needed to navigate the AI-augmented future effectively. The evolving demands of future workplaces necessitate new skills in students, prompting consideration of *AI fluency* as a distinct core competency.

Below is a visual representation of the seven components of AI Fluency, each crucial for adapting to the evolving landscape of artificial intelligence:



In this document, the first several assignments explore prompt engineering and provide explanations for why we need it, as well as how to teach it through assignments. Then comes a few assignments about using ChatGPT for searching since it can do things search engines cannot. Up next are assignments that train students on evaluating AI output, as well as a section of suggested assignments that show how ChatGPT can be used to analyze text or data. The largest section concerns assignments related to writing, as might be expected. The penultimate section provides ideas for using ChatGPT to generate useful output, and the final section has assignments designed to help students recognize that ChatGPT can be used to improve their study habits and practices. Thus, this document includes 60+ ChatGPT assignments, including prompt engineering, advanced search, AI output evaluation, text/data analysis, writing, useful output generation, and enhancing study habits.

- 1) Prompt Engineering
- 2) Search
- 3) Evaluate
- 4) Analyze
- 5) Writing
- 6) Generate
- 7) Study

Each of the above point is described in this document by a table covering following three sub points:

- i) Ideas: These are the basic tasks in which ChatGPT can help educators and students, like searching, rephrasing, critically thinking, brainstorming etc.
- ii) Assignments: These are the assignments or activities that can be used to learn the basics about ChatGPT.
- iii) Sample ChatGPT Prompts: These prompts include the sample prompts that help in understanding the kind of commands one needs to give to ChatGPT to get a desired result.

1) Prompt Engineering

The first section of this document focuses on prompt engineering (the practice of optimizing and designing prompts to improve the quality and relevance of the model's responses) to familiarize educators with this AI tool and its understanding of prompts. Below are the detailed ideas on ChatGPT prompt engineering and the activities that teachers can use to engage their students and make their students aware of AI. Thus, the section focuses on the following effective ways of prompt engineering.

Ideas	Assignments	Sample Chat GPT Prompt
Conversation	Create an assignment that forces students to engage ChatGPT in a conversation.	“Explain string theory using everyday words.” “What’s another metaphor to help explain how string theory works at both large and small scales?”
Regenerate a Response	Ask students to generate multiple responses from a single prompt.	“Explain the way to find the area under a curve on a graph.” “Compare and contrast the work of Claude Monet and Berthe Morisot.”
Rephrase Prompts	Require students to ask ChatGPT a detailed question in more than one way to refine the results.	“What is forecasting?” / “What are the different methods used for forecasting?” / “What are the benefits of different forecasting methods?”
Context and Specific Requests	Teaching students via “graduated” prompts how to be specific and detailed to maximize ChatGPT output.	“What are the different types of joints that can be used when constructing a boat?” / “What types of joints can be made with just pieces of wood?”

Tone	Make an assignment for students to obtain ChatGPT results that match a certain tone.	• “Write a summary of the voyage of Odysseus in an epic tone.” • “Describe the process of photosynthesis in cacti in a whimsical tone.”
Specified Style	Ask students to exercise their creativity by asking ChatGPT for explanations or summaries delivered “in the style” of someone famous.	• “Write a sonnet in the style of Shakespeare that explains the third law of thermodynamics.” • “Rewrite Rihanna’s song “Umbrella” using language from Tolkien, but make the song about tort reform efforts over the years.”
Sophistication	Encourage students to include in their prompts how sophisticated of an answer they want.	• “Summarize Judith Butler’s argument about performativity with the sophistication of a professor in the humanities.”
Length	Ask students to alter the prompt to provide the same information in different lengths.	• “Give me a two-sentence summary of the importance of superconductors.” / “Provide a two-paragraph summary of why superconductors are important.”
New Chat	Create an assignment where students see the value in restarting chat.	• To obtain a “pure” output to a new question, it’s advisable to press the “new chat” button before any change of topic.

2) Search

ChatGPT understands and processes natural language queries, making it easier for users to articulate complex search requirements. It can filter and summarize vast amounts of information, presenting users with concise and relevant results. By engaging in interactive conversations, ChatGPT can refine search results, ensuring more accurate and tailored outcomes. Following are the assignments that can help students in refining their search results:

Ideas	Assignments	Sample ChatGPT Prompts
Narrowing Search Results	Teach students how to narrow the responses ChatGPT generates purposefully.	• “What are career opportunities for computer science?/ “Why do software architects earn more?” / “What do I need to do to get a job in that field?” / “Name 10 places that hire.”
Explanations for Wrong Answers	Direct students to look up answers they got wrong on an assignment or assessment.	• “I was asked, ‘If the wage rate decreases by 8% and the quantity of labor demanded increases by 4%, what is the labor elasticity?’ I responded, ‘.5.’ Why is that wrong?” / “Can you provide more details on a step-by-step basis?” / “Generate 10 similar questions so I can practice.” /
Seminal scholars, Studies, and Other Materials	Have students report what the AI generates as seminal scholars, articles, or books within a given field or topic.	• “How did Silent Spring by Rachel Carson influence today’s environmental movement?” / “Provide an example of another seminal book or study in environmental science and activism that was impacted by Carson’s work.” /

3) Evaluate

ChatGPT offers a robust command evaluation approach. It verifies information for accuracy, prevents hallucinated sources, assesses argument validity, makes informed predictions, detects logical fallacies, provides rebuttals, and ensures neutrality. These aspects can be integrated into the curriculum to help students develop effective writing skills.

Ideas	Assignments	Sample ChatGPT prompts
Evaluate: Correctness	Assign students to generate a specific output, then explain whether ChatGPT's output is factually correct.	“You are now a nuclear physicist at a press conference. The first question is how magnetic resonance imaging functions.” “Cite the Florida statute that prohibits the harassment of manatees.”
Evaluate: Hallucinated Sources	Require students to verify the existence of quoted sources via the institution's library website.	“Write a bibliography about the rate of rainforest depletion.” “Create a bibliography of the five most important publications on rainforest depletion. Write it in APA style.”
Evaluate: Soundness of the Argument	Create a student task to evaluate ChatGPT's argument for its flow and logic.	“Present a 250-word argument that no-fault insurance laws unfairly impact lower-income drivers.” “Write a three-paragraph persuasive essay that science argues for the existence of God.”
Evaluate: ChatGPT's Predictions and Extrapolations	Instruct students to generate a ChatGPT prediction and then assess the output.	“Imagine a world where every human baby was implanted with a microchip to enhance cognition and recall. How would this affect the job market?”
Evaluate: Logical Fallacies	Direct students to create an argument in ChatGPT, then identify any logical fallacies.	“What are the most common arguments for and against the use of fracking?” “What are the arguments for and against gender-neutral bathrooms in high schools?”
Evaluate: Write a Rebuttal	Tell students to first obtain an argument from ChatGPT, then craft a rebuttal.	“Explain in 3 to 4 paragraphs why paying your own way on a first date is the best choice.”
Evaluate: Bias	Assign students to prompt ChatGPT to provide a detailed output (ideally on a topic you pre-select), then require them to evaluate to what extent the software's answer might contain bias.	“What is the history of critical race theory?” “Who discovered the DNA double helix?” “Give an example of a model minority.” “Analyze my writing for bias or poor optics—anything that could be received the wrong way.”

4) Analyze

ChatGPT excels in content analysis, summarizing text, pinpointing details, critiquing, interpreting, and handling figurative language. It offers qualitative and quantitative analysis, making it a versatile tool for information processing. We will now delve into specific concepts with some fun activities for a comprehensive academic understanding.

Ideas	Assignments	Sample ChatGPT Prompts
Analyze: Summarize Longer Texts	Encourage students to use ChatGPT to create summaries of longer text	“Isolate the top 3-4 ideas from this article and list them as bullets.” [Paste text below]. “Provide a summary of the following story/chapter.” [Paste text below].
Analyze: Find the Needle in the Haystack	Show students how to ask for a specific piece of information in a much longer text.	“Who has the right to vote, according to this text?” [Paste text below] “Who killed Rosenkranz and Guildenstern?”
Analyze: Critique and Interpret	Encourage students to use ChatGPT to provide an interpretation of a text.	“What does this poem mean?” [Paste text below] “Identify the major themes of this chapter.” [Paste text below]

Analyze: Poetry and Figurative Language	Allow students to use ChatGPT to begin the process of interpreting a poem's meaning while building their understanding of figurative language and its uses.	“Summarize the literal meaning of each stanza of this poem while identifying key poetic devices. [Paste text below]. Then, highlight repeated words, themes, or sounds, connect themes to cultural or historical events or contexts, and find poems with similar themes.”
Analyze: Convert to Conversational Language	Encourage students to use ChatGPT to simplify language when reading complex texts or learning difficult concepts.	“Convert this text on the differences between differential and integration in calculus in a way that someone who has not studied this level of math can easily understand.” [Paste text below].
Analyze: Qualitative Analysis	Require students to use ChatGPT to perform qualitative analysis, then evaluate the output.	“Analyze the tone and sentiment of this letter.” [Paste text below] “Create a semantic analysis of this article and generate an editable comparison table.” [Paste text below]
Analyze: Quantitative Analysis	Direct students to perform certain quantitative analyses at ChatGPT.	“What percent of 178 is 12?” “Provide the mean, mode, and standard deviation for this dataset.” [Paste text below]



5) Writing

Writing is the most crucial part of an assignment. Chat GPT can help in your writing process. It can help in selecting topics for your essays, brainstorming ideas and highlighting grammar mistakes. Below is the detail of each writing idea that can be used in the curriculum to produce a more impactful write-up.

Ideas	Assignments	Sample ChatGPT Prompts
Brainstorming a Topic	Encourage students to brainstorm ideas about their essay topic using ChatGPT.	“List words and phrases associated with the da Vinci surgical system.” “How do I employ Edward de Bono’s ‘six thinking hats’ about Amazon basin deforestation?”
Overcoming Writer’s Block	Tell students to draft an opening paragraph with ChatGPT to avoid the paralysis that accompanies a blank page.	“Write the opening paragraph of a persuasive essay about the disadvantages of no-fault car insurance.” “Provide the first half page of a short story about discovering a lost pyramid in the jungle.”
Request Definitions, Synonyms, and Antonyms	Instruct students to use ChatGPT as a thesaurus.	“Define misanthrope.” “Give me five sophisticated synonyms for foul smelling.”
Generate a Thesis	Require students to paste the essay assignment prompt into ChatGPT and request a thesis.	“Generate a thesis for a five-page essay combining a feminist interpretation and a Utilitarian analysis of Marvel’s movie Avengers: Infinity War.”
Further Develop the Thesis	Allow students to practice writing thesis statements by using ChatGPT as a sounding board.	“Create a thesis statement that makes a promise to an audience by listing reasons I will limit social media use.” / “Use an ‘I will’ statement.” / Don’t list the reasons.
Generate an Outline	Require students to use ChatGPT to scaffold their ability to create and develop outlines for their writing.	“Create a problem-solving outline for a mathematical equation.” / “Create a mnemonic device to help me remember this.” / “Outline the steps I would need to complete problem X.”

Create Counterarguments	Introduce counter arguments by engaging in a debate with ChatGPT.	“Should free speech be protected on college campuses?” / “Should college professors be afforded intellectual freedom in their research and teaching?”
First Draft	Encourage students to use previously practiced ChatGPT writing steps to develop their rough draft.	“Do you think this is a catchy introductory sentence? ‘It was the best of times; it was the worst of times.’” / “Give me a better one then.”
Improve Topic Sentences	Demonstrate how ChatGPT can assist in elevating your topic sentences by signaling what’s ahead.	“Create topic sentences using my 3 key points.” [Paste text below with individualized key points].
Improve Transitions	Create a game using ChatGPT that teaches students how to mark logical relationships between ideas.	“Create a game that teaches students how to use transitions in writing to mark logical relationships between ideas.” / “For a college audience” / “Make it humorous” / “Make it a mystery.”
Improve Connections between Claims and Evidence	Create an assignment where students must state a claim, provide support, and ask ChatGPT to analyze the validity of their claim with respect to how universal their assumptions are.	“Cost of Living Adjustments (COLA) seems to offer minute incremental increases in salaries and wages that don’t allow individuals to truly keep up with inflation, but the government continues to offer them as some sort of noteworthy contribution. Many citizens are still living below the poverty level, while the rich seem to keep getting richer. Analyze this.
Teach Parts of Speech through Sentence Diagramming	Utilize ChatGPT as a study aid to assist students in identifying parts of speech.	“Create a lesson plan for a college class that teaches parts of speech by diagramming sentences.”
Perplexity	Encourage students to use ChatGPT as a fill-in for writer’s block and failure to finish thoughts.	“Help me finish this thought about how this would be an ideal story to add to Chaucer’s Canterbury Tales.”
Burstiness	Utilize ChatGPT to enhance writing techniques.	“Raise the level of perplexity in this pasted text.” “Using a very high level of burstiness and perplexity, explain the process of cloning.”
Grammar and Syntax Check	Treat ChatGPT as a spellchecker and syntax companion.	“Proofread my essay.” / “Proofread my essay and track changes.” / “Check my essay for grammar, spelling, punctuation, syntax, and originality.”
Analyze Readability and Tone	Encourage students to triangle peer review using ChatGPT to cross-check for clarity and tone.	“Check my essay for readability.” / “Check my essay for tone.” / “What is the tone of my essay?”
Improve Prose	Require students to use ChatGPT to revise their final drafts using standard academic English (or the language you require for your course).	“Create a poorly written essay on why poor eating habits are detrimental to your health.” / “Now a good one” / “Now an excellent one.”
Holistic Editing	Teach students to edit using a well-rounded approach with the help of ChatGPT.	“Proofread my writing and check it for grammatical errors.”

6. Generate

Chat GPT offers a versatile platform for a myriad of creative and professional applications. Users can elaborate on complex topics, engage in interactive role-play, and brainstorm innovative business ideas. Its capabilities extend to generating catchy slogans and crafting beautiful poetry. In the digital age, it is an

invaluable tool for curating engaging social media posts and diving into creative writing. In drafting the first draft of a novel or seeking assistance with software coding, Chat GPT stands as a reliable companion in the creative process. Below is a detailed explanation of all ideas that can be used to get a creative output.

Ideas	Assignments	Sample ChatGPT Prompt
Generate: Elaboration	Instruct students to elaborate on their work by asking ChatGPT to use a step-by-step process, offer pros and cons, or compare and contrast.	“Please elaborate on the causes for macular degeneration.”/ “Elaborate again.” / Elaborate again.”
Generate: Role Play	Ask students to create personas and then engage in interview-based conversations that simulate real-world scenarios.	“Assume the persona of Simone de Beauvoir, embodying her beliefs and experiences, and engage in a conversation with me, a student in 2023, regarding the role of feminism today.”
Generate: Business Ideas	Empower students to brainstorm new business ideas for products or services related to their areas of interest.	“Generate a list of platformer game ideas targeted to middle school students. Include animal characters with superhero skills, a fantasy setting, and a theme of diversity and inclusion.”
Generate: Slogans	Encourage students to further their entrepreneurship goals by using ChatGPT to brainstorm ideas for slogans, mottos, and other catch phrases that build brands.	“Using a hip-hop style, generate a slogan for a Study Buddy app that matches students based on their learning styles, goals, and habits.”
Generate: Poetry as Application	Show students how to apply key concepts by generating content-related poems.	“Using iambic pentameter, write a persona poem in which the speaker is the concept of Prescriptivism who is making an argument against the personification of Naturalism.”
Generate: Social Media Posts	Instruct students to generate audience-specific social media posts.	“Using a paleoanthropology lens while making it culturally relevant to this time period, write a series of social media posts for this content: [insert]. Write a post for Facebook, LinkedIn, Instagram, Twitter, TikTok, and YouTube.”
Generate: Creative Writing as Application	Combine creative writing activities with AI tools to bring students’ ideas to life.	“Write a film treatment for a comedy about a nutritionist who is hired by a famous Hollywood star to help him get fit for his next role.”
Generate: Software Coding	Provide students with the opportunity to transform concepts and ideas into products and solutions by using AI tools to generate software codes.	“Show me how to write a software code for an app that allows me to combine my digital art into a 3D collage.”

7) Study

People have been considering ChatGPT as a tool that increases academic dishonesty. However, ChatGPT is a versatile tool for learners, helping create study plans, generating customized practice questions, defining unfamiliar terms, serving as a teaching assistant, making flashcards, managing time efficiently, and offering career guidance, ensuring holistic support for students in their academic and future endeavors. Below is a detailed explanation (with sample prompts) of how ChatGPT can be used for studying.

Ideas	Assignments	Sample ChatGPT Prompts
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Study: Summarize Long Articles	Encourage students to use ChatGPT to absorb complex readings more fully.	Summarize this article as if you oppose its solutions. Create 10 tweets with hashtags that include content while making an argument."
Study: Create Study Plans	Demonstrate how ChatGPT can help students create study plans that include key course content.	"Summarize all of the key components of this chapter in the form of a rap song." "Write three jokes that will help me remember the Henderson-Hasselbalch Equation."
Study: Question Creation	Encourage students to use AI tools to generate questions for self-quizzing on course context.	"Generate a 10-question quiz on this content. Include all types of question formats, limit my time on the quiz, and withhold the answers until I respond. Then, evaluate my responses and offer suggestions for further reading on questions I missed."
Study: Multiple-Choice Question Generation	Communicate the effectiveness of using ChatGPT to generate multiple-choice questions for self quizzes.	"Generate a series of multiple-choice questions that address influences and contexts of postmodern literature. Provide 8 possible responses to each question. Withhold answers until I respond."
Study: Find Elusive Terms	Demonstrate how ChatGPT can help students find those terms they once knew, but temporarily forgot.	"Evolution is not a smooth curve. When graphed, the curve takes turns plateauing and accelerating. What's this called?"
Study: Personal Teaching Assistant	Show students techniques they can use to double check course content with ChatGPT	"Define 'economic equilibrium' using a simile or metaphor. Write one for each of these reading levels: first grade, middle school, and college level."
Study: Flashcard Generation	Communicate the effectiveness of creating customized flashcards with ChatGPT.	"Create visual flashcards for college-level, introduction to biology courses that are reviewing the structure and function of cells."
Study: Time Management	Help students boost productivity with time management tools.	"Create a weekly schedule that helps me manage my class, study, work, and social time. I have [number] of classes a week, each lasting [number] of hours. I want to study for [number] of hours per class. I work [number] of hours a week and would like [number] of hours a week for fun or free time."
Study: Career Paths	Assist students in setting and reaching career goals with ChatGPT tools that streamline the process.	"Describe a typical day in the life of someone working in a [name] career. Include a daily routine, interactions, and typical tasks."

Engaging in these creative activities will empower students to enhance their AI fluency, providing them with valuable skills to navigate the world of artificial intelligence with confidence and discernment. As they immerse themselves in these tasks, students will not only gain a deeper understanding of AI but also learn how to harness its potential in their writing and academic pursuits. By utilizing these activities, educators can spark curiosity, foster critical thinking, and inspire the next generation of learners to approach AI with a thoughtful and informed perspective, preparing them to thrive in an increasingly AI-driven world.

Modified from: [60+ Ideas for ChatGPT Assignments](#) by Aniba Hassnain MPhil student@FCCU (2024)

Also see: [101 creative ideas to use AI in education, A crowdsourced collection](#)
[Towards AI Literacy: 101+ Creative and Critical Practices, Perspectives and Purposes](#)
[10 Practical Ways Faculty and Instructors Can Use AI | Welcome to TeachOnline](#)