FOR ANYONE LEARNING

79 chat prompts

Prompts for Learning New Skills.

Ready-to-use prompts for planning, teaching and reflection.

The right tool at the right time.
Part of the WISE Framework for Education at choosewise.education.

VOL. 02

Glossary

A few terms that recur throughout this guide. If you already know them, skip ahead to the framework on the next page.

AI — Artificial Intelligence

An attempt to make machines mimic brain functions — to "think" and learn roughly the way humans do. We don't fully understand how the brain works, but we can try to replicate the parts we do understand.

Prompt

An instruction given to a chatbot to get a desired response or task performed.

Iterate

After receiving a response from a chatbot, you refine and clarify the parts you're not satisfied with — sharpening the answer until it's what you want. The better your starting prompt, the fewer iterations you'll need.

Chatbot

A chatbot has been trained to find patterns in large amounts of text. It uses those patterns to generate a response to your prompt. The answer is produced in real time.

GPT

The underlying model (Generative Pre-trained Transformer) that a chatbot uses. The same GPT can power different chatbots — for example, Copilot and ChatGPT have both used OpenAI's GPT.

Generative AI

AI that creates (generates) text, images, video, or sound in real time when prompted to do so.

Bias

AI responses can be skewed or partial, depending on the data the AI was trained on and the biases present in that data. These biases are harder to spot in chatbots than in image-generating AI.

Hallucination

The text you receive from a chatbot is based on patterns in its training data, but word generation also involves randomness — meaning generated words can sometimes create a meaning that simply isn't true.

A framework for writing your own prompts

Role: Act as an experienced physics teacher.

Task: Create a lesson plan that introduces year 8 students to optics.

Context: I teach at a middle school, have 25 students in my class, and the lesson is 60 minutes long.

Format: Link content and activities to the physics curriculum and give me a plan that describes each part of the lesson and the materials required.

Tone: Use a formal but friendly tone.

A few chatbots to know

AI can also generate images and more, but we focus here on chat capabilities.

ChatGPT — OpenAI's chatbot

Gemini — Google's chatbot

NotebookLM — Google's tool that can, among other things, generate a two-voice podcast

Copilot — Microsoft's chatbot

Claude — Anthropic's chatbot

Perplexity — From San Francisco, was early to include source links

Duck AI — DuckDuckGo's chatbot, lets you pick among several GPTs

Mistral AI — A chatbot from France

Most chatbots have age restrictions.

BEFORE YOU START

How to use the prompts

All the prompts are starting points — examples to get you going.
Adapt them to fit your context.

After using a chatbot for a while, you'll learn what kinds of prompts work better or worse. Try the same prompt twice — first as-is, then with the prefix "Act as an experienced expert teacher in [subject]" — and see whether the quality of the response improves. A good response means a good prompt. A poor response means the prompt needs more context or adjustment. Some chatbots are better than others at certain tasks, so if you're not satisfied despite multiple tries, consider switching chatbot.

Brackets and privacy

You paste the prompt text into the chatbot's input field. Wherever brackets *[like this]* appear, replace the text inside with whatever fits your context.

Always double-check the responses — chatbot output is not guaranteed to be accurate.

Note: Think carefully before uploading texts or documents. Never upload personal data or sensitive information. Mind GDPR.

Learning New Things

01 Explain *[concept/historical event/technique etc]* to me as if I were *[7]* years old.

02 I want to understand *[insert subject]* better. Create a list of inquiry questions I can ask myself when studying this topic. These questions should challenge me to think critically and deepen my understanding of the material.

03 I want to master *[insert skill or subject]* quickly. Guide me through a deliberate practice method by identifying the most challenging aspects of this topic. Provide specific exercises and feedback loops targeting these areas, enabling me to improve rapidly through focused, deliberate practice.

04 I want to master *[insert subject]* as quickly as possible. Guide me through the Feynman Technique, where I must teach the concept in simple terms. Start by breaking the topic into its core components. Then help me explain each part in my own words, identify gaps in my understanding, and refine my explanation until I can articulate it clearly and confidently.

05 I want to accelerate my learning in *[insert subject or skill]*. Teach me how to use visualisation techniques to mentally rehearse key concepts or procedures. Provide a step-by-step guide on how to visualise complex processes or information, helping me internalise and recall them more easily.

06 I need to learn *[insert subject]* quickly. Help me apply the chunking technique by breaking large amounts of information into smaller, manageable pieces. Provide a structured approach to grouping related concepts together, making the material easier to understand and remember.

07 I want to understand *[insert subject]* faster. Help me create a mind map that visually organises the key concepts, subtopics, and connections within this subject. Guide me in using this mind map to study more effectively, review information at a glance, and reinforce my understanding of the material.

08 I am trying to understand *[insert complex subject]*. Help me create simple and relatable analogies that explain the core concepts of this topic. Provide step-by-step guidance on how to break the subject down into familiar ideas or experiences, making it easier for me to grasp and remember.

09 I need to study *[insert subject]* effectively. Help me create short, focused study sessions with clear goals for each session. This will help me maintain concentration and get the most out of my study time.

10 I am learning *[insert subject]* and want to understand it faster. Show me how to apply the concepts in real-world scenarios. Provide examples of practical applications that help reinforce my knowledge.

11 You are a world-class educator specialising in rapid learning. Explain the core principles of *[concept]* in a way that even a beginner can understand, using real-world examples and analogies. Your goal is to make this explanation so clear that the learner can master the concept quickly.

12 You are an expert in learning strategies. Help me create a revision schedule to master *[subject]*. Describe a study plan that specifies when and how often I should review the material to retain it in long-term memory.

13 Create a detailed learning plan for studying *[specific subject, e.g. quantum physics]* at *[chosen level, e.g. beginner level]*, with three phases (introduction, deepening, application) and a six-week timetable using spaced repetition.

14 Give me five advanced strategies for mastering *[specific subject area, e.g. Python programming]*, where each strategy combines active recall and self-explanation, with a practical application for each.

15 Write a comprehensive guide for learning *[specific subject, e.g. chess strategy]* using elaborative interrogation, with five 'why' or 'how' questions that connect new concepts to existing knowledge, and an analysis of the answers.

16 Suggest three advanced ways to use dual coding to learn *[specific subject area, e.g. chemical reactions]*, with a combination of visual and verbal elements for each, and an explanation of how it strengthens memory.

17 Create a list of five complex active recall tasks to test my understanding of *[specific subject, e.g. statistics]*, with a question or challenge for each and a method for self-assessment.

18 Give me an example of a routine for learning *[specific subject, e.g. French]* with spaced repetition over one month, with three review intervals and a specific application for each interval.

19 Suggest three advanced self-explanation exercises to deepen my understanding of *[specific subject area, e.g. algebraic equations]*, with an explanation task for each and a reflection on connections to prior knowledge.

20 Create an advanced learning plan for mastering *[specific subject, e.g. philosophy]* by combining interleaved practice and metacognition, with three interleaved units and a reflection process for each.

21 Give me five advanced chunking strategies for breaking down *[specific complex subject, e.g. neuroscience]* into manageable parts, with a breakdown and an application for each part.

22 Write a detailed template for using metacognitive strategies to learn *[specific subject, e.g. history]*, with three steps (planning, monitoring, evaluation) and five reflection questions for each step.

23 Suggest three advanced applications of peer learning to study *[specific subject, e.g. programming]* in a study group, with a collaborative activity for each and an analysis of the learning exchange.

24 Give me an example of an advanced feedback loop strategy for learning *[specific subject area, e.g. guitar playing]*, with three iterations where each loop builds on the previous results and a method for self-assessment.

25 Create a list of five advanced memory techniques for learning *[specific subject, e.g. medical terminology]*, with a technique for each, an application, and an explanation of its effectiveness.

26 Suggest three advanced scaffolding methods for gradually mastering *[specific subject, e.g. quantum mechanics]*, with a level of support for each and a plan for reducing that support over time.

27 Write an advanced guide for using concrete examples to learn *[specific abstract subject, e.g. economic theory]*, with five examples and an analysis of how they clarify the theory.

28 Suggest three advanced dual coding tasks for learning *[specific subject area, e.g. biological processes]*, with a visual and verbal representation for each and a reflection on memory reinforcement.

29 Create an advanced learning plan for mastering *[specific subject, e.g. advanced statistics]* using active recall and feedback loops, with three steps and a method for adjusting based on results.

30 Give me an example of an advanced self-explanation strategy for learning *[specific subject, e.g. philosophical concepts]*, with three explanations that connect new ideas to personal experiences and an analysis.

31 Write a list of three advanced metacognitive reflection tasks for evaluating my learning of *[specific subject, e.g. optics in physics]*, with a question for each and a method for adjusting my strategy.

32 Create an advanced strategy for learning *[specific subject, e.g. machine learning]* by combining spaced repetition and dual coding, with three review intervals and a visual representation for each.

33 Give me five advanced active recall challenges for mastering *[specific subject area, e.g. chemical formulas]*, with a complex question for each and a method for testing my understanding.

34 Write an advanced guide for using elaborative interrogation to learn *[specific subject, e.g. literary analysis]*, with five in-depth questions and an analysis of how the answers deepen my insight.

35 Suggest three advanced scaffolding exercises for learning *[specific subject, e.g. programming languages]*, with a step-by-step build-up for each and a plan for becoming independent.

36 Create a list of five advanced chunking tasks for learning *[specific complex subject, e.g. the anatomy of the brain]*, with a breakdown for each and an application to consolidate knowledge.

37 Suggest three advanced feedback loop tasks for learning *[specific subject area, e.g. music theory]*, with an iterative process for each and a method for analysing progress.

38 Write an advanced template for using interleaved practice to master *[specific subject, e.g. mathematical proofs]*, with three interleaved practice units and a reflection on gains in flexibility.

39 Give me five advanced memory techniques for learning *[specific subject, e.g. legal terms]*, with a technique for each, an application, and an analysis of its effectiveness.

40 Create an advanced learning plan for studying *[specific subject, e.g. advanced organic chemistry]* by combining self-explanation and metacognition, with three steps and a reflection process for each.

41 Suggest three advanced dual coding strategies for learning *[specific subject, e.g. historical events]*, with a visual and verbal component for each and an evaluation of memory reinforcement.

42 Give me an example of an advanced active recall routine for mastering *[specific subject area, e.g. grammar]*, with three complex questions and a method for analysing my answers.

43 Write a list of five advanced concrete examples for learning *[specific abstract subject, e.g. quantum physics]*, with one example for each and an analysis of how it clarifies the theory.

44 Suggest three advanced spaced repetition schedules for learning *[specific subject, e.g. a language]*, with a review interval for each and an application to consolidate knowledge.

45 Create an advanced plan for using peer learning and feedback loops to learn *[specific subject, e.g. computer science]*, with three collaborative steps and an analysis of progress.

46 Give me five advanced self-explanation tasks for deepening my understanding of *[specific subject, e.g. artificial intelligence]*, with an explanation task for each and a reflection on insights.

47 Suggest three advanced interleaved practice exercises for learning *[specific subject, e.g. music technology]*, with a mix of units for each and an analysis of gains in flexibility.

48 Write an advanced guide for using metacognitive strategies to learn *[specific subject, e.g. advanced physics]*, with three reflection points and five questions for evaluating my strategy.

49 Give me an example of an advanced chunking strategy for learning *[specific complex subject, e.g. how elementary particles work]*, with three broken-down parts and an application for integrating the knowledge.

50 Create a list of three advanced dual coding and active recall tasks for mastering *[specific subject, e.g. art history]*, with a combination for each and a reflection on the learning exchange.

51 Create an advanced learning strategy for mastering *[specific subject, e.g. astrophysics]* at *[chosen level, e.g. intermediate level]*, with three phases combining spaced repetition and active recall, and a detailed eight-week timetable.

52 Give me five advanced self-explanation exercises to deepen my understanding of *[specific subject area, e.g. differential equations]*, with a complex question for each and an analysis of how the explanations connect to existing knowledge.

53 Write a detailed guide for learning *[specific subject, e.g. neuropsychology]* using dual coding, with five combinations of visual and verbal representations and an evaluation of their effect on memory.

54 Suggest three advanced interleaved practice methods for learning *[specific subject, e.g. music theory]*, with a mix of three units for each and a reflection on how it improves my flexibility.

55 Create a list of five advanced active recall challenges for testing my mastery of *[specific subject, e.g. law]*, with a complex question for each and a method for analysing my progress.

56 Give me an example of an advanced spaced repetition routine for learning *[specific subject area, e.g. Spanish verb forms]*, with three time intervals over two months and an application for each interval.

57 Suggest three advanced elaborative interrogation tasks for learning *[specific subject, e.g. economic history]*, with an in-depth question for each and an analysis of how the answers deepen my insight.

58 Create an advanced learning plan for mastering *[specific subject, e.g. machine learning]* by combining chunking and metacognition, with three divided segments and a reflection process for each.

59 Give me five advanced dual coding strategies for learning *[specific subject area, e.g. chemical structures]*, with a visual and verbal component for each and an evaluation of memory improvement.

60 Write an advanced template for using feedback loops to learn *[specific subject, e.g. guitar technique]*, with three iterations where each loop analyses and improves on the previous results, and a method for self-assessment.

61 Suggest three advanced peer learning activities for learning *[specific subject, e.g. literary criticism]* in a group, with a collaborative task for each and an analysis of the group's contribution to my understanding.

62 Give me an example of an advanced scaffolding strategy for learning *[specific subject, e.g. advanced physics]*, with three gradually decreasing levels of support and a plan for becoming independent.

63 Create a list of five advanced concrete examples for mastering *[specific abstract subject, e.g. quantum theory]*, with one example for each and an analysis of how it clarifies abstract concepts.

64 Suggest three advanced active recall and spaced repetition combinations for learning *[specific subject, e.g. medical anatomy]*, with a review task for each and a reflection on retention.

65 Write an advanced guide for using self-explanation to learn *[specific subject, e.g. philosophical theories]*, with five explanations that connect new ideas to personal experiences and an evaluation.

66 Give me five advanced interleaved practice tasks for learning *[specific subject, e.g. mathematical models]*, with a mix of units for each and an analysis of how it strengthens problem-solving.

67 Suggest three advanced metacognitive strategies for learning *[specific subject, e.g. advanced chemistry]*, with a reflection task for each and a method for adjusting my learning strategy.

68 Create an advanced learning plan for mastering *[specific subject, e.g. art history]* by combining dual coding and chunking, with three divided segments and a visual representation for each.

69 Give me an example of an advanced peer learning and self-explanation combination for learning *[specific subject, e.g. computer science]*, with three collaborative steps and an analysis of my explanations.

70 Write a list of three advanced feedback loop tasks for learning *[specific subject area, e.g. music technology]*, with an iterative process for each and a method for measuring progress.

71 Create an advanced strategy for learning *[specific subject, e.g. quantum computing]* by combining spaced repetition and metacognition, with three review phases and a reflection process for each.

72 Give me five advanced active recall exercises for mastering *[specific subject area, e.g. legal precedents]*, with a complex question for each and a method for analysing my answers.

73 Write an advanced guide for using chunking to learn *[specific complex subject, e.g. the brain's neural networks]*, with five divided segments and an application for integrating the knowledge.

74 Suggest three advanced dual coding and self-explanation combinations for learning *[specific subject, e.g. music theory]*, with a visual and verbal component for each and a reflection on insights.

75 Create a list of five advanced scaffolding tasks for learning *[specific subject, e.g. advanced programming]*, with a level of support for each and a plan for reducing that support over time.

76 Give me an example of an advanced interleaved practice routine for mastering *[specific subject, e.g. statistical methods]*, with three interleaved practice units and an analysis of gains in flexibility.

77 Suggest three advanced elaborative interrogation strategies for learning *[specific subject, e.g. literary history]*, with an in-depth question for each and an analysis of how the answers deepen my understanding.

78 Write an advanced template for using active recall and dual coding to master *[specific subject area, e.g. chemical reactions]*, with three combined tasks and a reflection on memory reinforcement.

79 Give me five advanced metacognitive reflection tasks for evaluating my learning of *[specific subject, e.g. philosophical texts]*, with a question for each and a method for adjusting my strategy.

80 Create an advanced learning plan for mastering *[specific subject, e.g. brain surgery]* by combining chunking and feedback loops, with three divided segments and an iterative process for each.

81 Suggest three advanced spaced repetition and self-explanation combinations for learning *[specific subject, e.g. language grammar]*, with a review task for each and an analysis of insights.

82 Give me an example of an advanced peer learning strategy for learning *[specific subject, e.g. art criticism]*, with three collaborative moments and an evaluation of group dynamics' impact.

83 Write a list of five advanced concrete examples for learning *[specific abstract subject, e.g. the theory of relativity]*, with one example for each and an analysis of how it clarifies the theory.

84 Suggest three advanced active recall tasks for mastering *[specific subject area, e.g. musical composition]*, with a complex question for each and a method for measuring progress.

85 Create an advanced plan for using dual coding and metacognition to learn *[specific subject, e.g. neuroscience]*, with three combined steps and a reflection process for each.

86 Give me five advanced self-explanation and feedback loop tasks for learning *[specific subject, e.g. economic analysis]*, with a combination for each and an analysis of improvements.

87 Suggest three advanced interleaved practice and chunking combinations for mastering *[specific subject, e.g. advanced algebra]*, with an interleaved breakdown for each and a reflection on gains.

88 Write an advanced guide for using spaced repetition to learn *[specific subject, e.g. medical terminology]*, with five review intervals and an application for each interval.

89 Give me an example of an advanced peer learning and dual coding combination for learning *[specific subject, e.g. art history]*, with three collaborative steps and a visual representation for each.

90 Create a list of three advanced active recall and metacognitive tasks for mastering *[specific subject, e.g. nuclear physics]*, with a combination for each and a reflection on my learning process. You are an experienced teacher helping me understand *[subject 1, e.g. fission]*. Since I already know and understand *[subject 2, e.g. fusion]*, I want you to use the similarities and differences between these two topics as the basis for helping me understand *[subject 1]*.

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