

Your essential guide to Google AI for college



Google

What's inside:

We hope you find this guide helpful.

Always follow the rules of your school and your professors on the use of AI.

- ✓ Apply best practices to **write clear, effective prompts** that maximize your learning and help you accomplish tasks.
- ✓ Understand how **features in Gemini** - Deep Research, Canvas, Guided Learning, Gems, Gemini Live, and Quizzes - can support learning.
- ✓ Use **NotebookLM** to generate study guides, deepen research, and create custom audio and video overviews based on your class materials.
- ✓ Discover **real prompts you can use in Gemini and NotebookLM** for help with learning, writing and exam prep.
- ✓ **Use Gemini** to help with your job or internship search.

Study and learn with the help of AI

Ready to transform how you learn, study, and create? Check out our expert-led training to discover how AI tools can level-up your approach to homework, writing, and even kickstarting your career.

Learning & homework

- ⇒ [Ways AI can help with your studies](#)
- ⇒ [Turn any idea into a video with Gemini](#)
- ⇒ [Prompting tips to personalize your learning](#)
- ⇒ [Understand visual information in a snap](#)
- ⇒ [Make Gemini your research assistant](#)

Study & exam prep

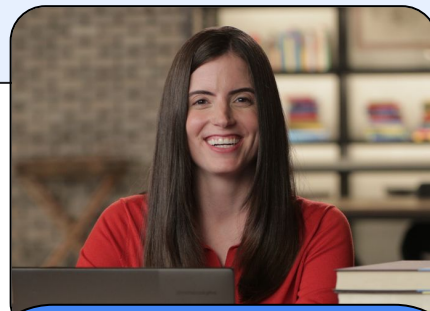
- ⇒ [Create instant study materials](#)
- ⇒ [Make practice quizzes ahead of your exam](#)

Writing Support

- ⇒ [Get writing feedback with Gemini](#)

Job search help

- ⇒ [Explore careers that match your skills](#)
- ⇒ [Practice interviewing with Gemini Live](#)
- ⇒ [Update your resume with Gemini](#)
- ⇒ [A recruiter's perspective on resumes](#)
- ⇒ [A recruiter's recommended interview strategies](#)
- ⇒ [Managing your online presence](#)
- ⇒ [Handling challenging interview questions](#)
- ⇒ [Build resilience for your job search](#)



[Click to launch the full playlist](#)

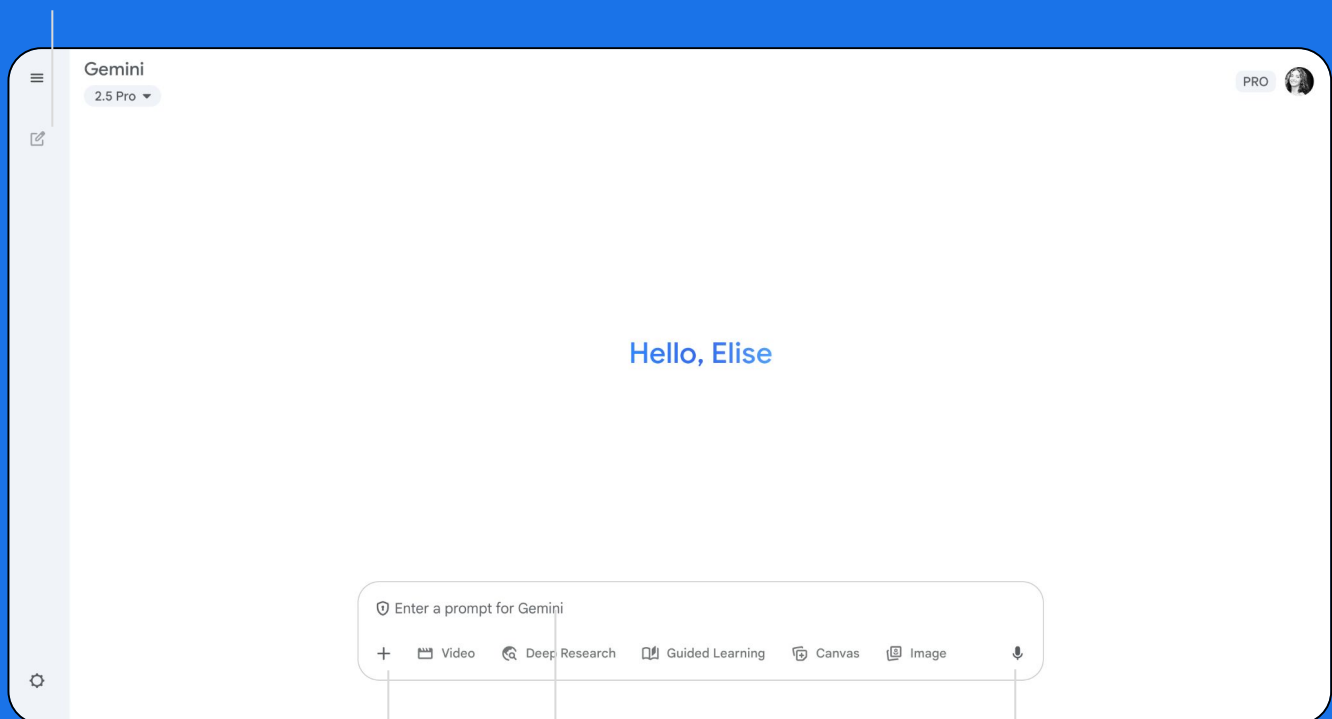


Your AI-powered assistant for learning

You can access Gemini through your personal Gmail account. And if your college or university uses Google Workspace, you also have access to Gemini for Education - a version of Gemini purpose-built for qualifying educational institutions like yours* - which you can access using your school-issued Google account. With higher limits to 2.5 Pro - the world's leading model for learning - it also has extra data protection, meaning content isn't reviewed or used to train AI models.

All the features in this guide are available when accessing Gemini from either your personal or school-issued Google account.

Start a new chat



Add files to
your prompt

Prompt
input area

Instead of typing
your prompt,
speak it!

*Gemini for Education is included in all Google Workspace for Education editions free of charge

Prompt like a pro: 5-step framework

Structure of a great prompt

Great prompts follow the 5-step framework – a simple way to guide Gemini step-by-step in creating exactly what you need. Use this as a model when building your own.

Step	What it means	Example
Persona	Which expertise you want AI to draw from	Economics professor
Task	What you want AI to help you with	Test prep
Context	Any background information AI needs to help you with this task	Exam on macroeconomics
Format	How you want the results to appear e.g. table, bulleted list, paragraph	Open-ended and multiple choice questions
References	[Optional] Examples of what you are looking for	Example of quiz question



Example Prompt:

You are an economics 101 professor. I am studying for a midterm exam on macroeconomics. Quiz me on the concepts of Gross Domestic Product (GDP) and the business cycle, starting with easier questions and getting progressively more challenging. Ask questions in open-ended and multiple choice format. For example, "What does the economic indicator Gross Domestic Product (GDP) measure?"



Breaking down a complex topic

Prompt

Acting as a physics expert, explain the concept of entropy in thermodynamics in a way that someone unfamiliar with physics can understand. Provide real world examples.



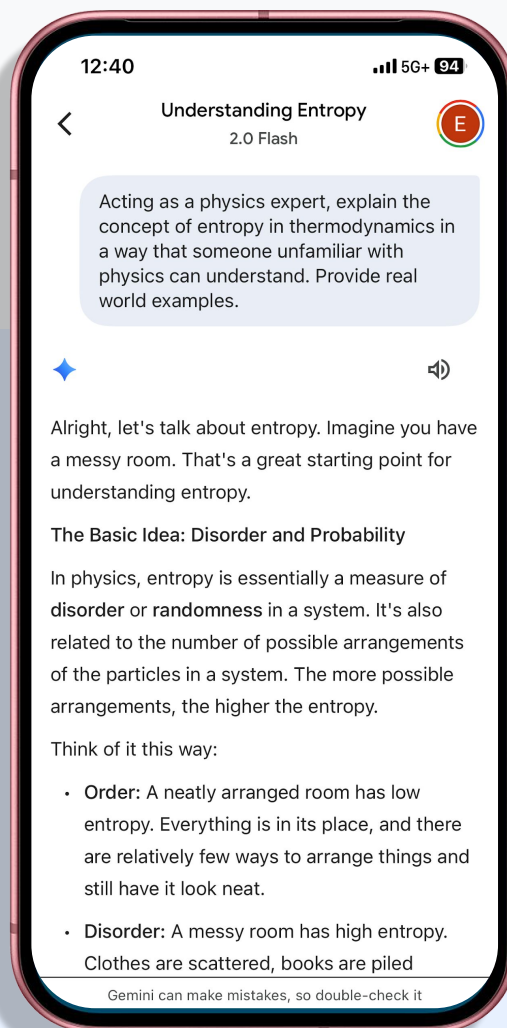
Tip

Be specific with the concept and the task. You can say "Explain it like I'm a freshman physics student."



Great for

Quickly clarifying complex topics, getting unstuck on homework, or test preparation.



Examples

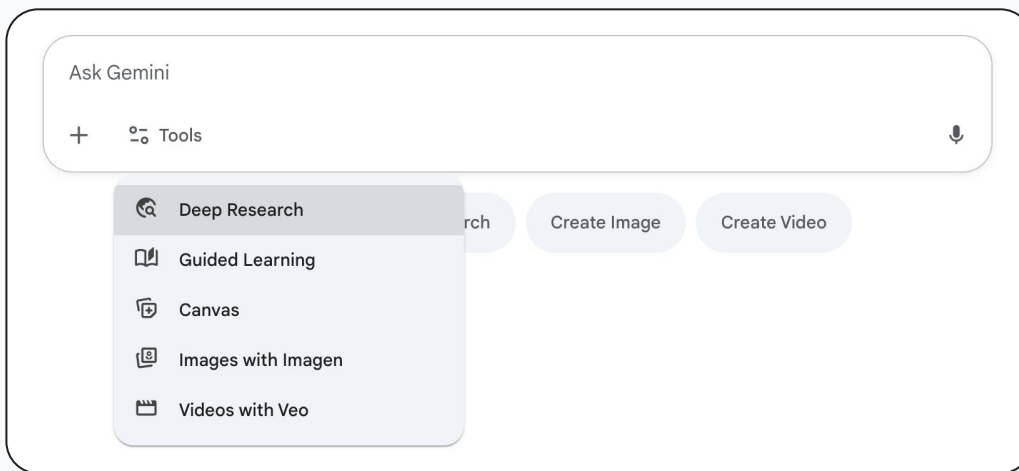
Use case	Prompt	Tip	Great for
Preparing for an exam with personalized practice quizzes	Act as a biology professor. I have a biology midterm coming up. Create a practice quiz for me. Focus on these concepts I find hard: "cellular respiration vs. photosynthesis," "the stages of mitosis," and "Mendelian genetics (Punnett squares)." Give me 5 multiple-choice questions and 5 short answer questions, and provide the answers separately.	Be very specific about the subject, exam type (for example, final, midterm, quiz), and the exact topics you want the quiz to cover. You can also ask for an answer key!	Targeted review, identifying weak spots, and active recall practice before exams
Getting constructive feedback on a written draft for improvement	Act as a TA for my history class. I've written a draft for my history essay on the causes of World War I. I'm not looking for revisions, but can you give me feedback on (1) the clarity of my thesis statement, (2) the strength of my supporting evidence, and (3) the overall organization and flow. I've attached my essay.	For targeted insights, ask questions like "Is my introduction engaging?" or "Are my counter-arguments addressed well?"	Refining arguments, checking for clarity, understanding a reader's perspective, and improving specific writing skills
Identify citations and missing evidence	Act as a writing tutor. Here's my essay on the future of space travel. Can you help me identify specific sentences or claims that need citations to support them, and suggest where I might need to add evidence.	Attach your draft. You can ask for additional feedback like "fix any grammatical errors," or "check for conciseness."	Instant, personalized writing feedback
Brainstorming project ideas	Act as a research librarian. I need to choose a topic for a 10-page research paper for my environmental science class. Help me brainstorm 3 distinct project ideas related to the impact of microplastics on marine ecosystems, and briefly explain why each would be a compelling and researchable topic for a college sophomore.	Specify your subject, project type (for example, a presentation or essay), length, and any initial areas of interest. Then, ask Gemini to help you "develop one of these ideas into a research question" or "suggest some initial keywords for research."	Finding meaningful, relevant project topics
Practicing coding with real examples	Act as a senior software developer. Show me how to write a simple Python program that takes a list of numbers and returns the average. Please explain each part of the code, especially how to handle potential errors like an empty list. I'm a college freshman student in an introductory programming course.	Mention the programming language and your current skill level (such as "beginner Java"). You can paste your own code and ask "Can you help me debug this?" or "How can I make this more efficient?" Pro tip: Generate code to prototype this with Canvas.	Interactive, scaffolded practice in computer science



Deep Research

Save hours of time with Gemini as your personal research assistant

Get up to speed on just about anything with Deep Research, an agentic feature in Gemini that can **automatically search up to hundreds of websites**, think through its findings, and create insightful reports with citations.



Get the big picture, faster

Save hours of work and get the main ideas about a certain topic, and then use the generated report to kickstart your assignments, study for exams, or develop your project ideas more effectively.

Don't just read – listen

You can generate an audio overview of your Deep Research reports – a podcast-style narration of the key findings. It's a fast, accessible way to listen to your research findings.

Download and share

You can also **download the audio file** to:

- Save for offline listening
- Share with a study partners



Example

Exploring a research topic

Prompt

I'm working on a paper about the current and future trends in robotics. Can you help me understand what are key emerging trends and the technological advancements driving those trends?



Tip

Ask Gemini to put the results in a timeline, showing which breakthroughs led to the current trends.



Great for

Brainstorming a research topic, developing a thesis statement, or building a class presentation.

Gemini

2.5 Flash

Start research

I'm on it. I'll let you know when your research is done. In the meantime, you can leave this chat.

Robotics Trends and Advancements
Researching 11 websites...

Enter a prompt for Gemini

Robotics Trends and Advancements | Show thinking

Research Approach
I'm starting a comprehensive research project on robotics, focusing on current and future trends, the technologies enabling them, their impact across various sectors, and the ethical and economic considerations. I'll also identify key players in the field, including leading institutions and companies. My initial step will be to identify the current emerging trends and the technological advancements driving them.

Information Gathering Strategy
To ensure the information is reliable, I'll prioritize academic sources like IEEE publications and university research, alongside industry reports. I'll be looking for common themes across different sources to identify the most significant trends.

Next Steps
My immediate focus is on understanding the current landscape of robotics. I'll be searching for information on current emerging trends and the specific technological advancements that are enabling these trends.

Researching websites

seas.h... A world of soft ro...

autom... Robotics Trends ...

prece... Advanced Roboti...

robotn... Robotic Trends in...

moldst... Exploring Trends ...

ifr.org TOP 5 Global Rob...

edge-... The Rise of Colla...

numbe... Advanced Sensor...



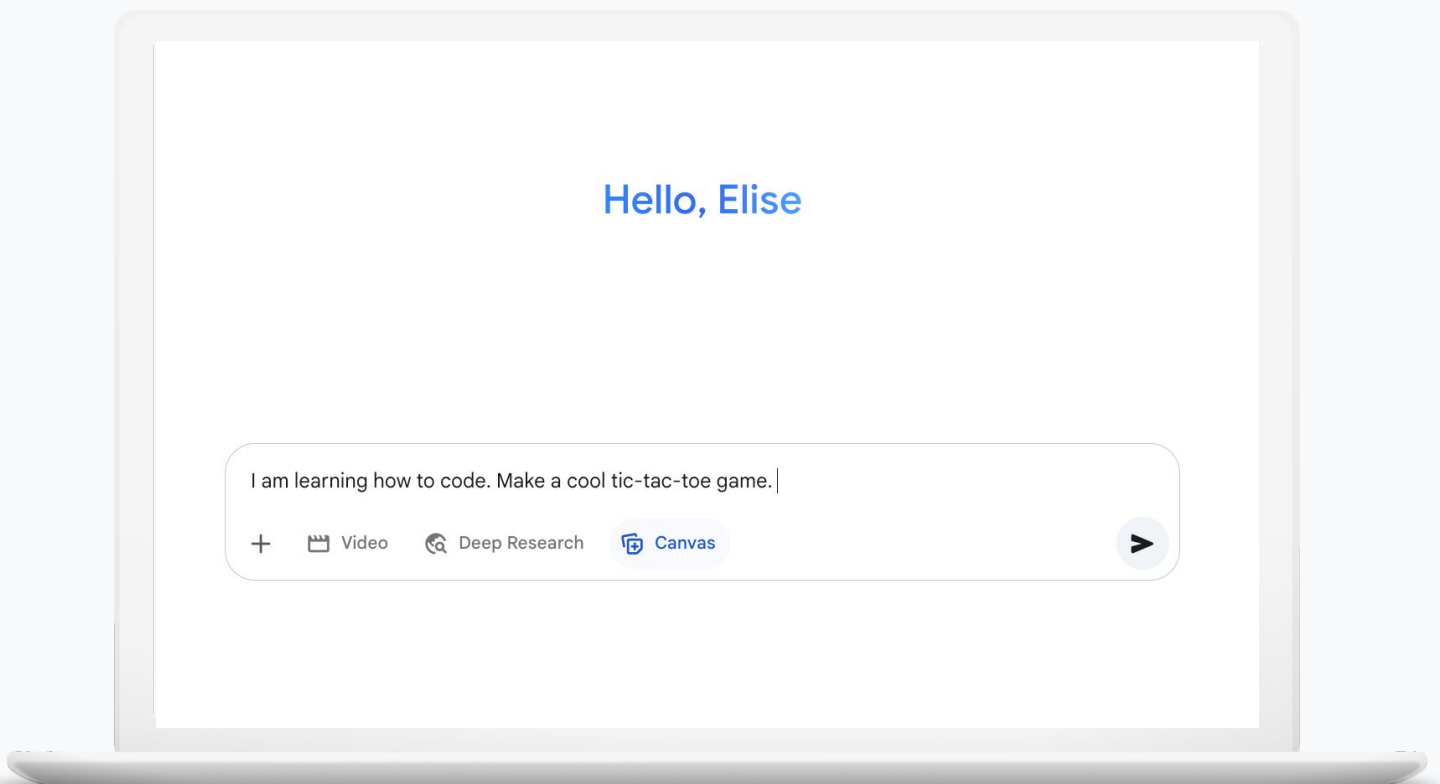
Canvas

Transform text into apps, games, web pages, and more

Transform your prompts into an editable canvas for outlining essays, creating study guides, or quickly building prototypes for your project – and evolve your thinking visually in real time. Your content instantly updates and you get AI-powered suggestions to consider. When you're ready, just click **"Export to Docs"** to continue working.

Use Canvas to:

- Learn to code, including planning and visualizing code design and algorithms, and debug errors to bring your ideas to life.
- Draft editable documents or study guides in real time.
- Edit copy tone, length, formatting, and content.
- Export to Docs, then copy, or present what you've built instantly.





Generating and explaining code

Prompt

Help me build a simple physics simulation that shows a ball falling under gravity. Use Python and show how to adjust gravity, time, and object mass. Explain what each part of the code does.



Tip

Try adjusting variables like mass or time and ask Gemini to visualize how it affects the simulation. Ask for step-by-step explanations or request extensions, like adding horizontal motion or air resistance.



Great for

- STEM project-based learning
- Building conceptual understanding of physics through code
- Learning how to modify and explain real-world simulations

The screenshot displays the Gemini Advanced interface. On the left, a chat window shows the prompt: "Help me build a simple physics simulation that shows a ball falling under...". Below the prompt, Gemini's response is visible: "Okay, I can help you with that! Here's a Python script that simulates a ball falling under gravity. It calculates the position and velocity of the ball at discrete time steps. I'll also include explanations for the physics and the code itself." Below the response, there is a button labeled "Python Falling Ball Simulation".

On the right, a code editor window titled "Python Falling Ball..." displays the following Python code:

```
35 while current_time < TOTAL_SIMULATION_TIME:
36     # 1. Update velocity: v_new = v_old + a * dt
37     # Acceleration 'a' is -GRAVITY (negative because gravity pulls downwards)
38     velocity = velocity + (-GRAVITY) * TIME_STEP
39
40     # 2. Update position: p_new = p_old + v_new * dt
41     # We use the *updated* velocity to calculate the new position for better accuracy
42     # A simpler (less accurate) Euler method would use v_old here.
43     position = position + velocity * TIME_STEP
44
45     # 3. Increment time
46     current_time += TIME_STEP
47
48     # Print current state
49     print(f"current_time:{current_time} | position:{position} | velocity:{velocity}")
50
51     # Optional: Add a small delay to watch the simulation in real-time (can be slow)
52     # time.sleep(0.05)
53
54     # Check if simulation finished without hitting the ground
55     if position < 0:
56         print("Ball hit the ground at time:", current_time)
57         break
```

Below the code editor, a console window shows the output of the simulation:

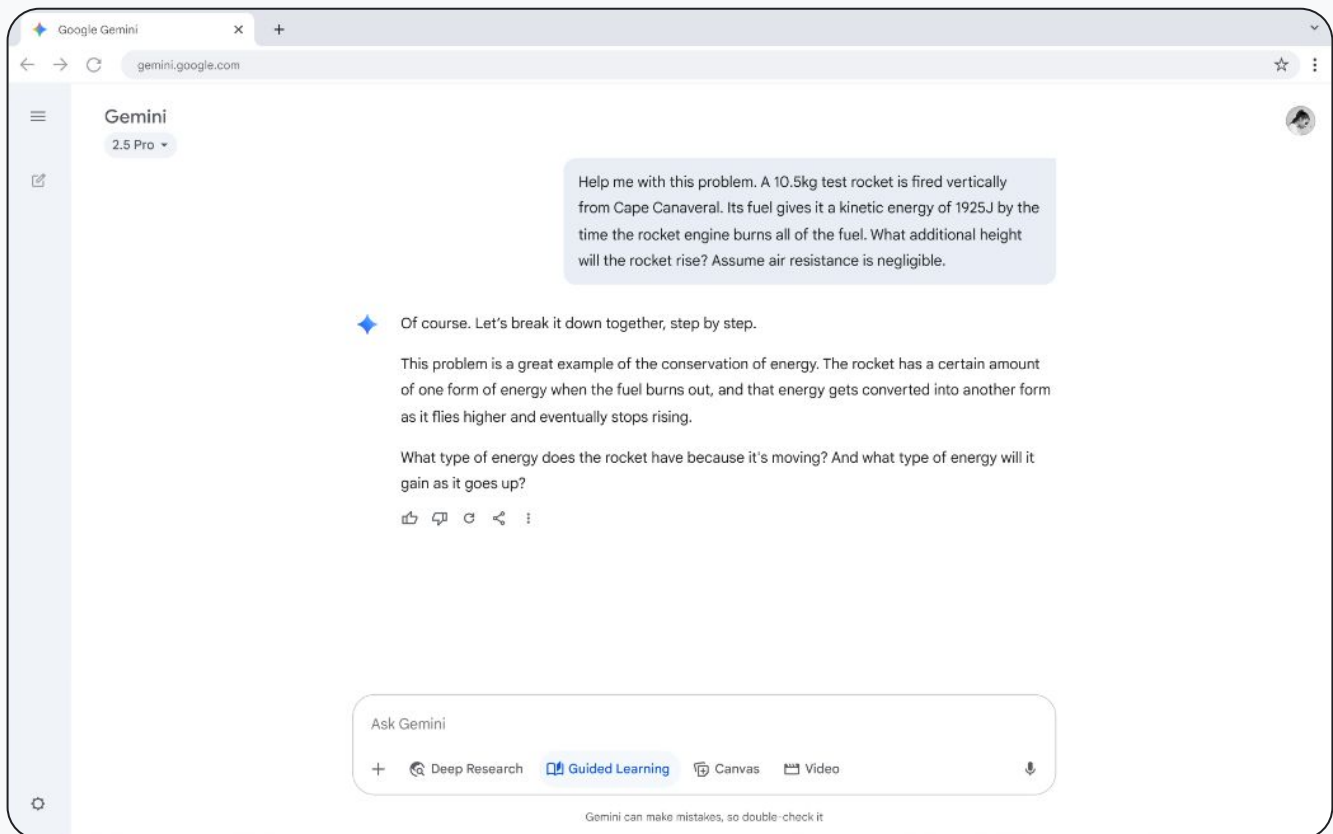
```
--- Starting Simulation ---
Gravity: 9.81 m/s^2, Mass: 1.0 kg
Initial Height: 100.0 m, Initial Velocity: 0.0 m/s
Time Step: 0.1 s
-----
current_time:0.0 | position:100.0 | velocity:0.0
current_time:0.1 | position:99.01 | velocity:-0.981
current_time:0.2 | position:98.04 | velocity:-1.962
current_time:0.3 | position:96.09 | velocity:-2.943
current_time:0.4 | position:94.16 | velocity:-3.924
current_time:0.5 | position:92.25 | velocity:-4.905
current_time:0.6 | position:90.36 | velocity:-5.886
current_time:0.7 | position:88.49 | velocity:-6.867
current_time:0.8 | position:86.64 | velocity:-7.848
current_time:0.9 | position:84.81 | velocity:-8.829
current_time:1.0 | position:83.00 | velocity:-9.810
current_time:1.1 | position:81.21 | velocity:-10.791
current_time:1.2 | position:79.44 | velocity:-11.752
current_time:1.3 | position:77.69 | velocity:-12.713
current_time:1.4 | position:75.96 | velocity:-13.674
current_time:1.5 | position:74.25 | velocity:-14.635
current_time:1.6 | position:72.56 | velocity:-15.596
current_time:1.7 | position:70.89 | velocity:-16.557
current_time:1.8 | position:69.24 | velocity:-17.518
current_time:1.9 | position:67.61 | velocity:-18.479
current_time:2.0 | position:66.00 | velocity:-19.440
current_time:2.1 | position:64.41 | velocity:-20.401
current_time:2.2 | position:62.84 | velocity:-21.362
current_time:2.3 | position:61.29 | velocity:-22.323
current_time:2.4 | position:59.76 | velocity:-23.284
current_time:2.5 | position:58.25 | velocity:-24.245
current_time:2.6 | position:56.76 | velocity:-25.206
current_time:2.7 | position:55.29 | velocity:-26.167
current_time:2.8 | position:53.84 | velocity:-27.128
current_time:2.9 | position:52.41 | velocity:-28.089
current_time:3.0 | position:50.99 | velocity:-29.050
current_time:3.1 | position:49.59 | velocity:-30.011
current_time:3.2 | position:48.21 | velocity:-30.972
current_time:3.3 | position:46.84 | velocity:-31.933
current_time:3.4 | position:45.49 | velocity:-32.894
current_time:3.5 | position:44.16 | velocity:-33.855
current_time:3.6 | position:42.85 | velocity:-34.816
current_time:3.7 | position:41.56 | velocity:-35.777
current_time:3.8 | position:40.29 | velocity:-36.738
current_time:3.9 | position:39.04 | velocity:-37.699
current_time:4.0 | position:37.81 | velocity:-38.660
current_time:4.1 | position:36.60 | velocity:-39.621
current_time:4.2 | position:35.41 | velocity:-40.582
current_time:4.3 | position:34.24 | velocity:-41.543
current_time:4.4 | position:33.09 | velocity:-42.504
current_time:4.5 | position:31.96 | velocity:-43.465
current_time:4.6 | position:30.85 | velocity:-44.426
current_time:4.7 | position:29.76 | velocity:-45.387
current_time:4.8 | position:28.69 | velocity:-46.348
current_time:4.9 | position:27.64 | velocity:-47.309
current_time:5.0 | position:26.61 | velocity:-48.270
current_time:5.1 | position:25.60 | velocity:-49.231
current_time:5.2 | position:24.61 | velocity:-50.192
current_time:5.3 | position:23.64 | velocity:-51.153
current_time:5.4 | position:22.69 | velocity:-52.114
current_time:5.5 | position:21.76 | velocity:-53.075
current_time:5.6 | position:20.85 | velocity:-54.036
current_time:5.7 | position:19.96 | velocity:-54.997
current_time:5.8 | position:19.09 | velocity:-55.958
current_time:5.9 | position:18.24 | velocity:-56.919
current_time:6.0 | position:17.41 | velocity:-57.880
current_time:6.1 | position:16.60 | velocity:-58.841
current_time:6.2 | position:15.81 | velocity:-59.802
current_time:6.3 | position:15.04 | velocity:-60.763
current_time:6.4 | position:14.29 | velocity:-61.724
current_time:6.5 | position:13.56 | velocity:-62.685
current_time:6.6 | position:12.85 | velocity:-63.646
current_time:6.7 | position:12.16 | velocity:-64.607
current_time:6.8 | position:11.49 | velocity:-65.568
current_time:6.9 | position:10.84 | velocity:-66.529
current_time:7.0 | position:10.21 | velocity:-67.490
current_time:7.1 | position:9.60 | velocity:-68.451
current_time:7.2 | position:9.01 | velocity:-69.412
current_time:7.3 | position:8.44 | velocity:-70.373
current_time:7.4 | position:7.89 | velocity:-71.334
current_time:7.5 | position:7.36 | velocity:-72.295
current_time:7.6 | position:6.85 | velocity:-73.256
current_time:7.7 | position:6.36 | velocity:-74.217
current_time:7.8 | position:5.89 | velocity:-75.178
current_time:7.9 | position:5.44 | velocity:-76.139
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current_time:9.2 | position:1.41 | velocity:-88.632
current_time:9.3 | position:1.24 | velocity:-89.593
current_time:9.4 | position:1.09 | velocity:-90.554
current_time:9.5 | position:0.96 | velocity:-91.515
current_time:9.6 | position:0.85 | velocity:-92.476
current_time:9.7 | position:0.76 | velocity:-93.437
current_time:9.8 | position:0.69 | velocity:-94.398
current_time:9.9 | position:0.64 | velocity:-95.359
current_time:10.0 | position:0.61 | velocity:-96.320
current_time:10.1 | position:0.59 | velocity:-97.281
current_time:10.2 | position:0.58 | velocity:-98.242
current_time:10.3 | position:0.58 | velocity:-99.203
current_time:10.4 | position:0.58 | velocity:-100.164
current_time:10.5 | position:0.59 | velocity:-101.125
current_time:10.6 | position:0.60 | velocity:-102.086
current_time:10.7 | position:0.62 | velocity:-103.047
current_time:10.8 | position:0.64 | velocity:-104.008
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current_time:11.9 | position:1.27 | velocity:-114.579
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current_time:12.5 | position:1.87 | velocity:-120.345
current_time:12.6 | position:1.98 | velocity:-121.306
current_time:12.7 | position:2.10 | velocity:-122.267
current_time:12.8 | position:2.22 | velocity:-123.228
current_time:12.9 | position:2.35 | velocity:-124.189
current_time:13.0 | position:2.48 | velocity:-125.150
current_time:13.1 | position:2.62 | velocity:-126.111
current_time:13.2 | position:2.76 | velocity:-127.072
current_time:13.3 | position:2.91 | velocity:-128.033
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current_time:13.5 | position:3.21 | velocity:-129.955
current_time:13.6 | position:3.37 | velocity:-130.916
current_time:13.7 | position:3.53 | velocity:-131.877
current_time:13.8 | position:3.69 | velocity:-132.838
current_time:13.9 | position:3.86 | velocity:-133.799
current_time:14.0 | position:4.03 | velocity:-134.760
current_time:14.1 | position:4.21 | velocity:-135.721
current_time:14.2 | position:4.39 | velocity:-136.682
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current_time:14.4 | position:4.77 | velocity:-138.604
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current_time:15.4 | position:6.97 | velocity:-148.214
current_time:15.5 | position:7.22 | velocity:-149.175
current_time:15.6 | position:7.47 | velocity:-150.136
current_time:15.7 | position:7.72 | velocity:-151.097
current_time:15.8 | position:7.98 | velocity:-152.058
current_time:15.9 | position:8.24 | velocity:-153.019
current_time:16.0 | position:8.51 | velocity:-153.980
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current_time:16.2 | position:9.06 | velocity:-155.902
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current_time:16.7 | position:10.52 | velocity:-160.707
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current_time:16.9 | position:11.14 | velocity:-162.629
current_time:17.0 | position:11.45 | velocity:-163.590
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current_time:17.2 | position:12.09 | velocity:-165.512
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current_time:17.8 | position:14.11 | velocity:-171.278
current_time:17.9 | position:14.46 | velocity:-172.239
current_time:18.0 | position:14.81 | velocity:-173.200
current_time:18.1 | position:15.17 | velocity:-174.161
current_time:18.2 | position:15.53 | velocity:-175.122
current_time:18.3 | position:15.89 | velocity:-176.083
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current_time:19.2 | position:19.35 | velocity:-184.732
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current_time:19.4 | position:20.16 | velocity:-186.654
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current_time:20.2 | position:23.51 | velocity:-194.342
current_time:20.3 | position:23.94 | velocity:-195.303
current_time:20.4 | position:24.38 | velocity:-196.264
current_time:20.5 | position:24.82 | velocity:-197.225
current_time:20.6 | position:25.26 | velocity:-198.186
current_time:20.7 | position:25.71 | velocity:-199.147
current_time:20.8 | position:26.16 | velocity:-200.108
current_time:20.9 | position:26.61 | velocity:-201.069
current_time:21.0 | position:27.07 | velocity:-202.030
current_time:21.1 | position:27.53 | velocity:-202.991
current_time:21.2 | position:27.99 | velocity:-203.952
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current_time:28.7 | position:71.99 | velocity:-276.027
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current_time:30.4 | position:84.62 | velocity:-292.364
current_time:30.5 | position:85.40 | velocity:-293.325
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current_time:33.7 | position:111.95 | velocity:-324.077
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current_time:43.4 | position:211.64 | velocity:-417.370
current_time:43.5 | position:212.82 | velocity:-418.335
current_time:43.6 | position:213.99 | velocity:-419.300
current_time:43.7 | position:215.17 | velocity:-420.265
current_time:43.8 | position:216.35 | velocity:-421.230
current_time:43.9 | position:217.54 | velocity:-422.195
current_time:44.0 | position:218.73 | velocity:-423.160
current_time:44.1 | position:219.92 | velocity:-424.125
current_time:44.2 | position:221.12 |
```



Guided Learning

Guided Learning provides a new way to learn and study in Gemini that helps you build a deep understanding instead of just getting answers. In this new mode, Gemini will guide you and adapt explanations to your needs, helping you uncover the "how" and "why" behind concepts.

When you're curious about a topic, you'll get rich, multimodal responses— images, videos, or quizzes—showing you what's most helpful to build and test your knowledge. Plus, Guided Learning will continue to help you build on what you learn by being a thinking partner checking your understanding with open-ended questions, inviting you to dive deeper into the discussion and truly master the material.





Gems

Custom AI experts for any topic

Customize a Gem with your instructions and achieve better outcomes with less prompting.

Build your own expert

Create a customized Gemini with specific instructions to specialize in a topic or follow your precise guidelines.

Set it up once and use it repeatedly

Define its persona, rules, and purpose one time for more focused and tailored results.

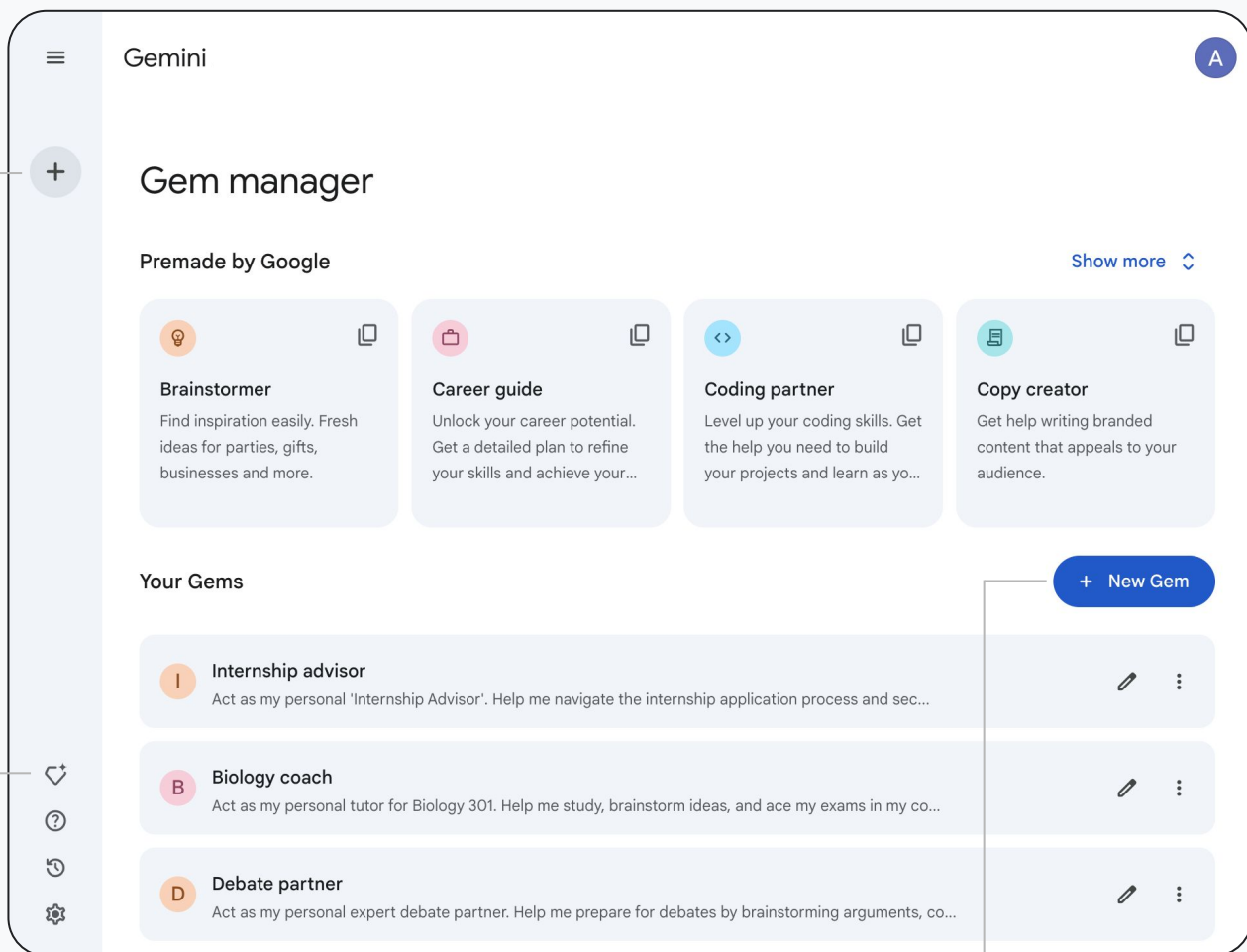
Explore pre-made Gems

Jump right in with Google's pre-made Gems like Learning Coach, Career Guide, or Brainstormer.

The screenshot shows the 'New Gem' creation screen. On the left is a sidebar with a plus icon, a back arrow, and a list of icons (heart, question mark, clock, gear). The main area is titled 'New Gem' with a 'Save' button in the top right. It is divided into two columns: 'Name' and 'Preview'. The 'Name' column has a text input field with the placeholder 'Give your Gem a name'. Below it is the 'Instructions' section, which includes an information icon, an example text block, and three icons (undo, redo, edit). At the bottom of the 'Name' column is the 'Knowledge' section, with an information icon and a text input field 'Add files for your Gem to reference' followed by a plus icon. The 'Preview' column shows a large text area with a Gemini icon and the text 'To preview your Gem start by giving it a name'. At the bottom of the 'Preview' column is a text input field with the placeholder 'Enter a prompt for Gemini' and a plus icon on the left and a microphone icon on the right.

Start with premade Gems

Get started easily with premade Gems by Google



Gem manager – your one-stop shop for all your Gems

Or create a new Gem built to tackle your specific needs

Create your own Gem

Give your new,
personalized Gem a name

Provide detailed instructions to
make your Gem work for you

Optional: Upload files to give more
context and get more helpful responses



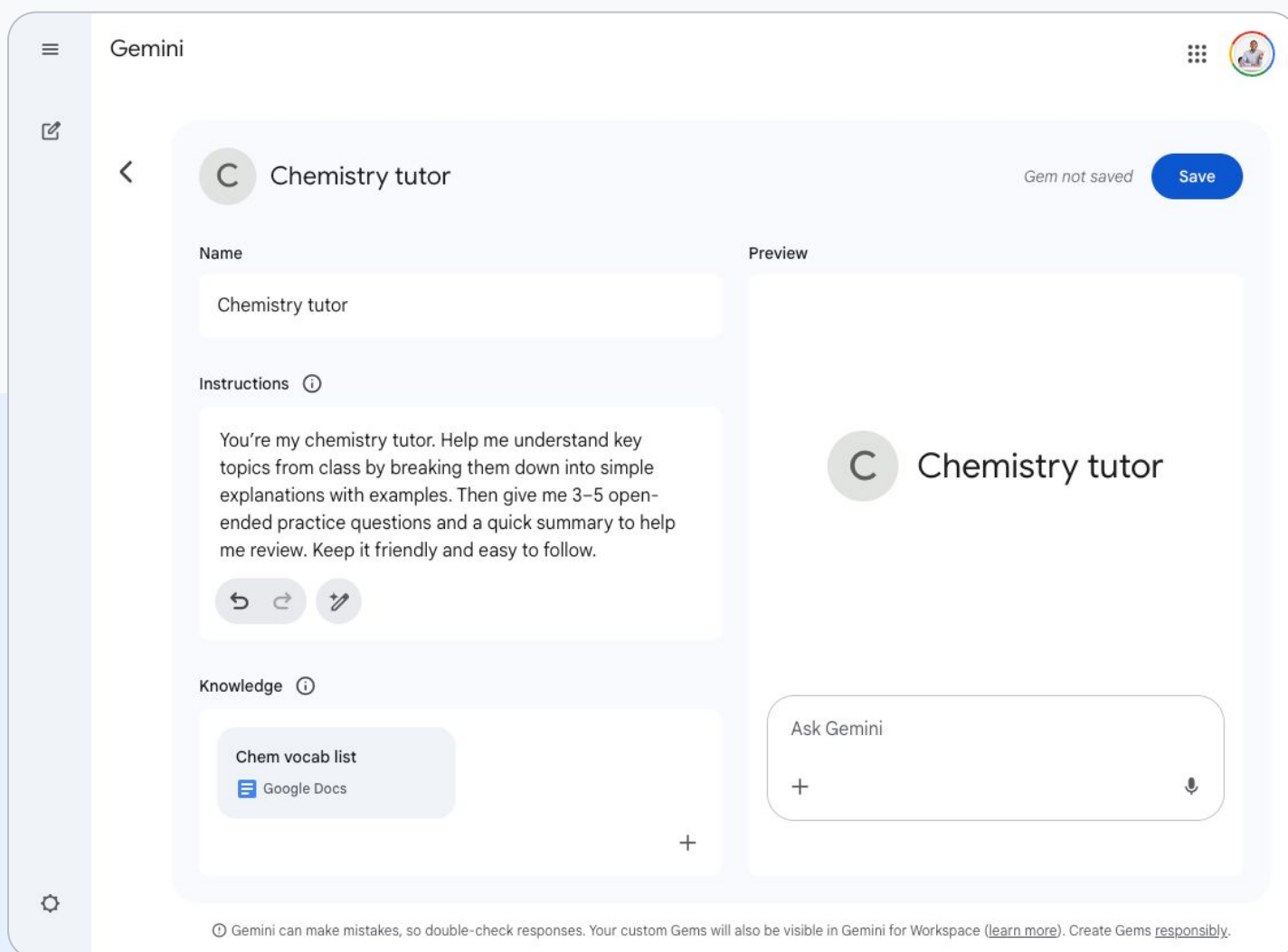
Personalizing your learning

Prompt

You're my chemistry tutor. Help me understand key topics from class by breaking them down into simple explanations with examples. Then give me 3–5 open-ended practice questions and a quick summary to help me review. Keep it friendly and easy to follow.

Add files for your Gem to reference

- Class syllabus or unit overview with objectives
- Vocabulary list or glossary from class
- Study guide, review packet, or lab instructions
- Notes from class or homework summaries
- Previous quiz or test



The screenshot shows the Gemini interface with a custom Gem named "Chemistry tutor". The interface includes a sidebar with a menu icon and a "Gemini" header. The main area is divided into two columns: "Name" and "Preview". The "Name" column contains a text input field with "Chemistry tutor" and an "Instructions" section with a text area containing the prompt: "You're my chemistry tutor. Help me understand key topics from class by breaking them down into simple explanations with examples. Then give me 3–5 open-ended practice questions and a quick summary to help me review. Keep it friendly and easy to follow." Below the instructions is a "Knowledge" section with a "Chem vocab list" file from Google Docs. The "Preview" column shows a preview of the Gem's name and a "Ask Gemini" input field. A "Save" button is located in the top right corner of the main area, with the text "Gem not saved" next to it. At the bottom of the interface, there is a disclaimer: "Gemini can make mistakes, so double-check responses. Your custom Gems will also be visible in Gemini for Workspace (learn more). Create Gems responsibly."

Gemini

< C Chemistry tutor Gem not saved Save

Name

Chemistry tutor

Instructions ⓘ

You're my chemistry tutor. Help me understand key topics from class by breaking them down into simple explanations with examples. Then give me 3–5 open-ended practice questions and a quick summary to help me review. Keep it friendly and easy to follow.

Knowledge ⓘ

Chem vocab list
Google Docs

Preview

C Chemistry tutor

Ask Gemini

+

ⓘ Gemini can make mistakes, so double-check responses. Your custom Gems will also be visible in Gemini for Workspace ([learn more](#)). Create Gems [responsibly](#).



Clarifying a core concept

Prompt

I'm trying to really get my head around the concept of a derivative in calculus. Can you break it down for me in a clear way, maybe using a real-world analogy, and then create a few practice problems that test my understanding of the core idea, not just memorizing formulas?

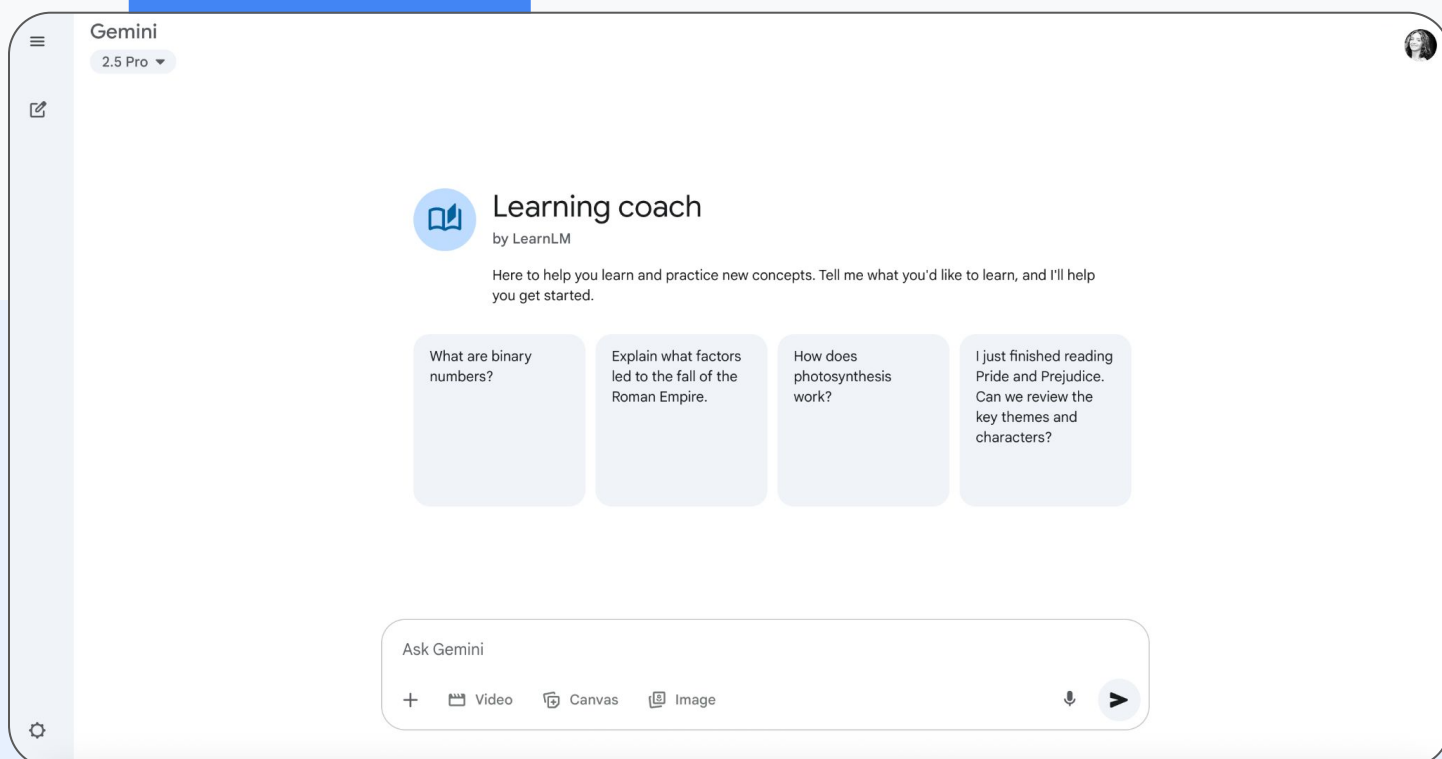
Tip

Mention what you've already learned or where you're stuck so the Learning coach can tailor its explanation even better.

Great for

Grasping fundamental principles in math and science, building conceptual understanding beyond rote memorization, and practicing targeted problems.

Premade Gem





Preparing for an interview

Prompt

Help me prepare for a behavioral interview in the healthcare field. Include 5 common interview questions, sample answers I can customize, and a checklist of things I can do to build confidence. Add 2 reflection prompts I can use to evaluate how I did after mock interviews.



Tip

Ask Gemini to adjust the sample responses for different industries (like tech, education, or business), or make it more conversational or formal based on the job type.



Great for

Building interview confidence, practicing soft skills, and preparing for real opportunities.

Premade Gem

The screenshot shows the Gemini 2.5 Pro interface. At the top, a blue bar reads "Premade Gem". Below it, the Gemini logo and "2.5 Pro" are visible. A search bar contains the prompt: "Help me prepare for a behavioral interview in the healthcare field. Include 5 common interview questions, sample answers I can customize, and a checklist of...". Below the search bar, a "Career guide" section is expanded, showing the response. The response includes an introduction, a development plan, and a "Your Behavioral Interview Prep Plan" with two numbered items: "Mastering the STAR Method" and "Common Questions & Custom Answers". At the bottom, there is an "Ask Gemini" input field with icons for Video, Canvas, and Image, and a microphone icon.

Gemini

2.5 Pro

Help me prepare for a behavioral interview in the healthcare field. Include 5 common interview questions, sample answers I can customize, and a checklist of...

Career guide

Show thinking

Of course. I can certainly help you prepare for your behavioral interview in the healthcare field. Feeling ready and confident is key, and we can absolutely get you there.

Based on your request, I've outlined a development plan to help you thoroughly prepare.

Your Behavioral Interview Prep Plan

1. **Mastering the STAR Method:** First, we'll cover the most effective technique for structuring your answers to any behavioral question.
2. **Common Questions & Custom Answers:** We'll dive into 5 common healthcare-specific questions and look at sample answers that you can adapt with your own experiences.

Ask Gemini

+ Video Canvas Image

Gemini can make mistakes, so double-check it



Gemini Live

Talk it out Live with Gemini

Brainstorm ideas, simplify complex topics, and rehearse for important moments with real-time responses. Just click on the Gemini Live button in your Gemini app. It's like having an always-available sidekick in your pocket to talk to, whenever inspiration or curiosity strikes.

Chat naturally

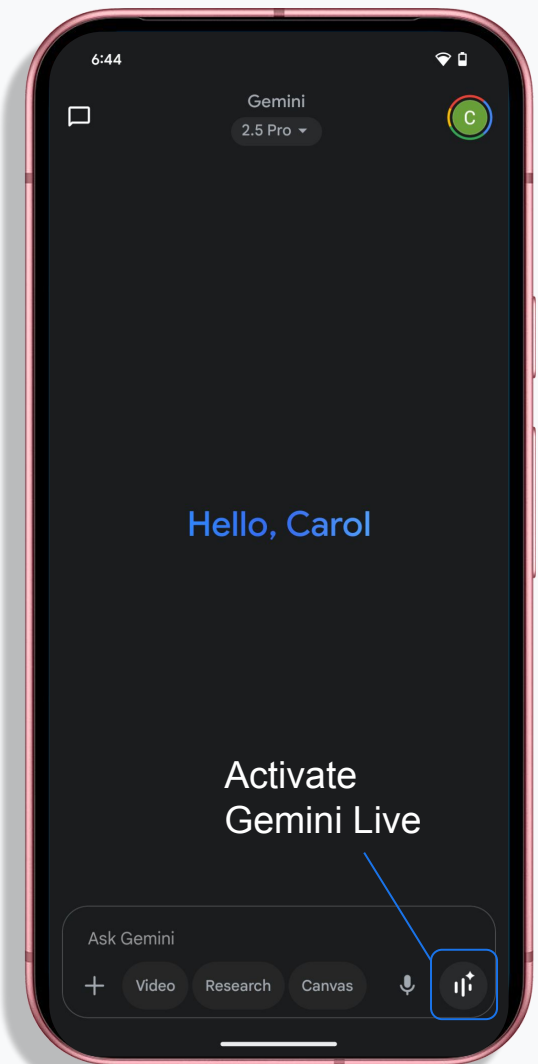
Use Gemini Live to brainstorm out loud. Gemini adapts to your conversational style so you can change your mind mid-sentence, ask follow-up questions, and multi-task with ease. Need to interrupt or want to change the subject? Gemini Live can easily pivot in whatever direction you want to take the conversation.

Spark your curiosity

Unlock instant learning whenever inspiration strikes—whether you're practicing your French or looking for advice while shopping. Refine your skills, explore new topics, and collaborate on ideas with a little help from Gemini. Experience the convenience of having an helpful guide and creative partner at your fingertips.

Talk beyond text

Bring context to your conversations. Share what you're seeing or watching, and Gemini will provide tailored assistance and insights. From understanding photos you've taken, to sharing your camera to get step-by-step guidance, Gemini is ready to dive into what you're seeing, creating richer, more dynamic conversations.





Quizzes

Prepare for exams, or just test your knowledge on a subject you're learning. Gemini will create a practice quiz for you on any subject. You'll get real-time feedback on your answers, and receive a final analysis of your performance so you can see your strengths and your growth areas.

Step 1: Create a custom quiz from your class notes or any topic.

Generate a quiz about the Impressionist movement.

Tools

Step 2: Gemini will generate questions for your quiz.

The Impressionist Movement

4 / 10

4. The term 'Impressionism' was coined by a critic in response to a painting by which artist?

A. Berthe Morisot

B. Claude Monet

✓ That's right!
The term was derived from the title of his painting 'Impression, soleil levant' (Impression, Sunrise).

C. Édouard Manet

D. Camille Pissarro

Back Next

Step 3: You'll get feedback along the way on your answers.

The Impressionist Movement

3 / 10

3. Which of the following is a key characteristic of Impressionist painting?

A. A focus on historical and mythological subjects.

✗ Not quite
Impressionists turned away from traditional subject matter and instead focused on scenes of modern life.

B. A smooth, highly finished surface with no visible brushstrokes.

C. Emphasis on capturing the fleeting effects of light and atmosphere.

✓ Right answer
This is a central tenet of Impressionism, as artists sought to capture the 'impression' of a moment.

D. A dark, somber color palette.

Back Next

Step 4: After you complete your quiz you can take a deeper look at your performance and keep going!

Generate flashcards or a study guide. Or, Gemini can create a new set of questions for you that you can customize.

The Impressionist Movement

You Did it! Quiz Complete

Score 7/10 Accuracy 70%

Right 7 Wrong 3 Skipped 0

Strengths and Growth Areas
Get a summary of your key strengths and discover areas where you can focus your studies.
Analyze my performance

Keep Learning

Flashcards
Create a complete set of flashcards from all your quiz material. Good for quick review and mastering key concepts.

Study guide
Generate a comprehensive study guide based on the materials you are studying. Good for in-depth review.

Review quiz More questions

More questions

Quiz on

✓ Everything Growth Areas

Number of questions added

5 ✓ 10 20 Custom

Change Difficulty

Easier ✓ About the same Harder

Cancel

Apply and continue



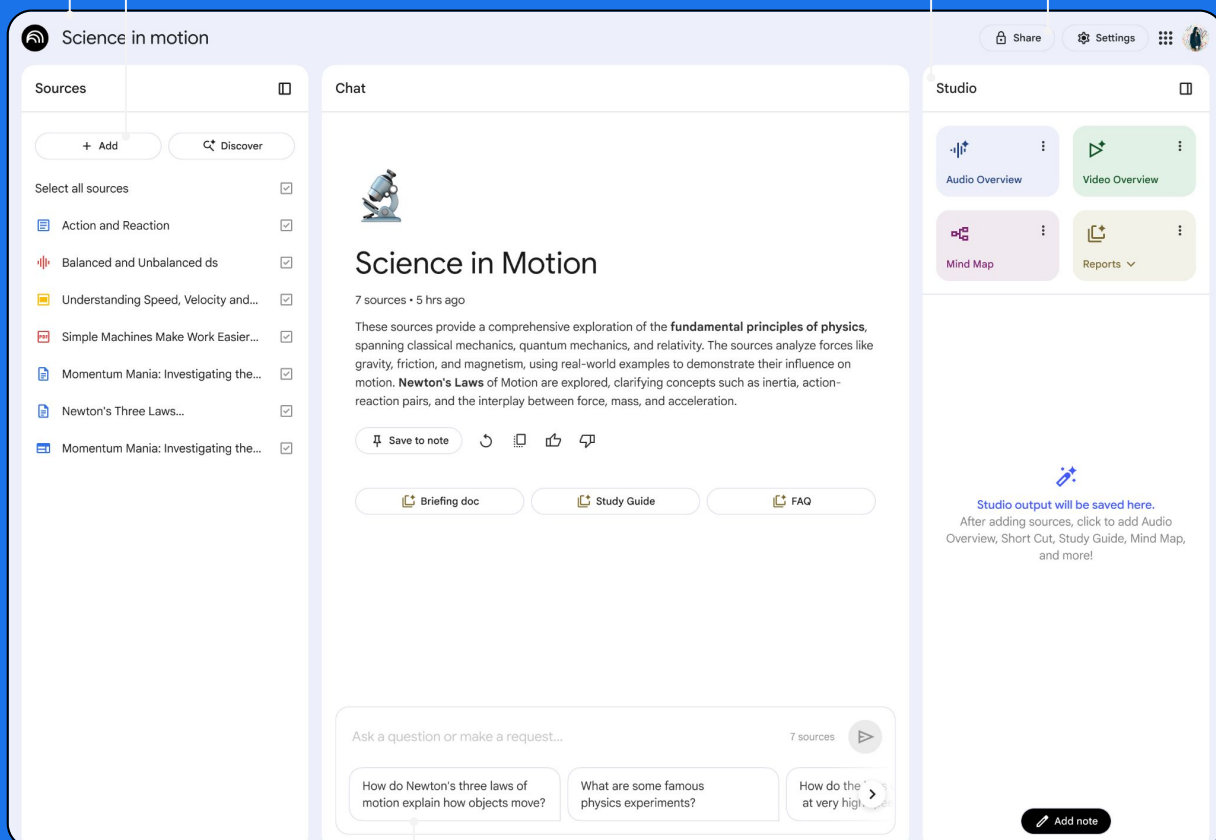
Understand anything with NotebookLM

Give your notebook a name

Upload your sources (like lecture notes and course readings) and NotebookLM can answer questions and generate summaries, study guides, and quizzes – all with in-line citations to ensure accuracy.

In the Studio, generate Audio or Video Overviews, Mind Maps, and Reports like a study guide or FAQs

Share your notebook with classmates



When you ask NotebookLM questions or ask it to generate content, it only uses information from sources you provide. Think of it as an expert on your specific documents.



Simplifying a difficult subject

Prompt

I'm struggling to understand what kinematics is. Help me understand in the most basic way.

Tip

After reviewing the explanation, click "Save to note" to keep this information handy, then select your kinematics sources and click "Study guide" in the Notes panel to generate a full review with a quiz, essay questions, and a glossary of key terms.

Great for

Breaking down tough topics, reviewing foundational concepts, and creating personalized study materials.

The screenshot displays the NotebookLM interface for a notebook titled "Physics 101". The interface is divided into three main sections: Sources, Chat, and Studio.

- Sources:** A list of sources is shown on the left, including "1. Course Introduction and Newtonian ...", "P101Lec0405.pdf", "PHYSICS-101.pdf", "Physics - Basic Introduction", "The Theory of Everything: Searching f...", "intro_physics_1.pdf", "lec1g.pdf", and "physics-101 (1).pdf". Each source has a checkbox to select it.
- Chat:** The central chat area shows a conversation. The user's prompt is: "I'm struggling to understand what kinematics is. Help me understand in the most basic way." The AI response explains that kinematics is a fundamental area of physics focusing on describing motion without considering its causes. It provides a breakdown of kinematics in the most basic way, emphasizing that the goal is to provide a complete description of an object's motion at any given moment, listing information about its position, speed, and direction. It also mentions that kinematics does not ask the reason behind anything, contrasting it with dynamics.
- Studio:** The right-hand panel shows various tools and options. It includes "Audio Overview", "Video Overview", "Mind Map", and "Reports". There are also buttons for "Add note" and "Add source".

At the bottom of the interface, a disclaimer states: "NotebookLM can be inaccurate; please double check its responses."



Quickly generate a study guide

NotebookLM helps you organize your notes, class materials, or uploaded resources into a structured study guide, instantly. Everything you need to review is grouped in one place.

Click **'Study guide'** in the Notes panel to generate a study guide that includes:

- Quiz questions with answer keys
- Practice essay prompts
- A glossary of key terms

Use it to review before a quiz, prep for a big test, or reflect on what you've learned, at your pace.

The screenshot displays the NotebookLM interface for a 'Physics 101' notebook. The interface is divided into three main panels:

- Sources Panel (Left):** Lists various sources used to create the study guide, including '1. Course Introduction and Newtonian ...', 'P101Lec0405.pdf', 'PHYSICS-101.pdf', 'Physics - Basic Introduction', 'The Theory of Everything: Searching f...', 'intro_physics_1.pdf', 'lec1g.pdf', and 'physics-101 (1).pdf'. Each source has a checkbox to select it.
- Chat Panel (Middle):** Shows the title 'Physics 101' with a graduation cap icon and '8 sources'. Below this, a snippet of text from one of the sources is visible, discussing the course logistics and the importance of active participation and problem-solving. At the bottom of the chat panel, there is a text input field with the prompt 'What core concepts and mathematical tools underpin the fo...' and a 'Send' button.
- Studio Panel (Right):** Displays the generated study guide titled 'Physics I: Core Concepts and Applications'. It includes a subtitle 'Study Guide' and a paragraph explaining that the guide is designed to help review and deepen understanding of fundamental physics principles. Below this, there is a section titled 'I. Course Logistics and Philosophy' with bullet points:
 - Course Structure:** Understand how the course is organized, including lecture format (taped, pilot program), problem sets, and communication channels (website, email).
 - Instructor's Expectations:** Familiarize yourself with the instructor's rules and preferences, such as talking during lectures and sleeping in class.
 - Learning Philosophy:** Grasp the core ideas behind effective learning in

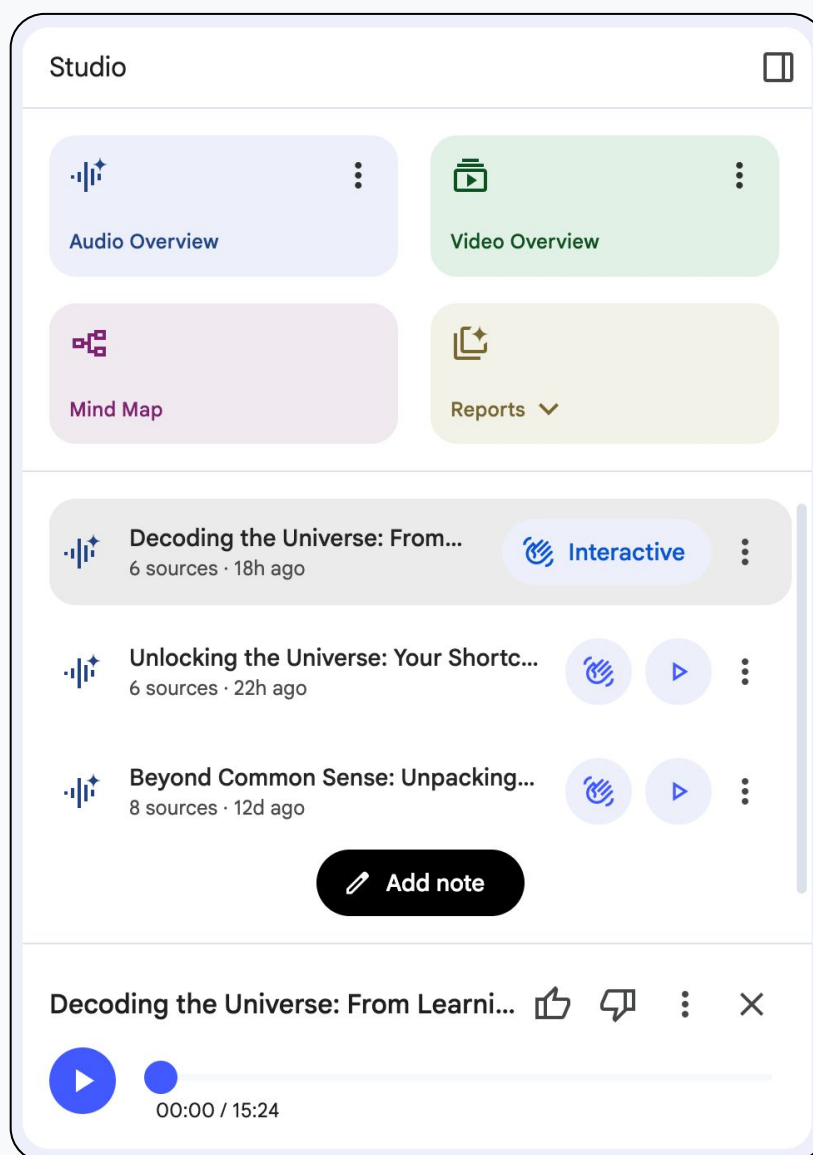
At the bottom of the Studio panel, there is a 'Convert to source' button. A small disclaimer at the very bottom of the interface states: 'NotebookLM can be inaccurate; please double check its responses.'



Learn on the go with Audio Overviews

Audio overviews turn your sources into a podcast-style summary, voiced by two AI hosts. It's a fast way to absorb your materials, and it's perfect for auditory learning.

With just one click, NotebookLM summarizes your notes, documents, research, articles, website links, or videos into a conversational audio file. And with the Customize feature, you can guide the hosts to focus on what's most important to you.



Getting the most out of NotebookLM



Upload quality sources

Your outlines, notes, links to quality websites, and key readings.



Be specific

Ask clear, targeted questions.



Explore generated content

Use the buttons for study guides, timelines, mind maps, audio overviews, and FAQs.



Check citations

View which sources NotebookLM used for its answer.



Click "Save to note"

Save key insights, draft outlines, and add your own thoughts.



Iterate

Rephrase questions if you don't get the answer you need the first time around.

Google

grow.google/students