

# 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.

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



[Click to launch the full playlist](#)

## Homework help

- ⊖ [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](#)

## Exam prep

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

## Writing help

- ⊖ [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](#)

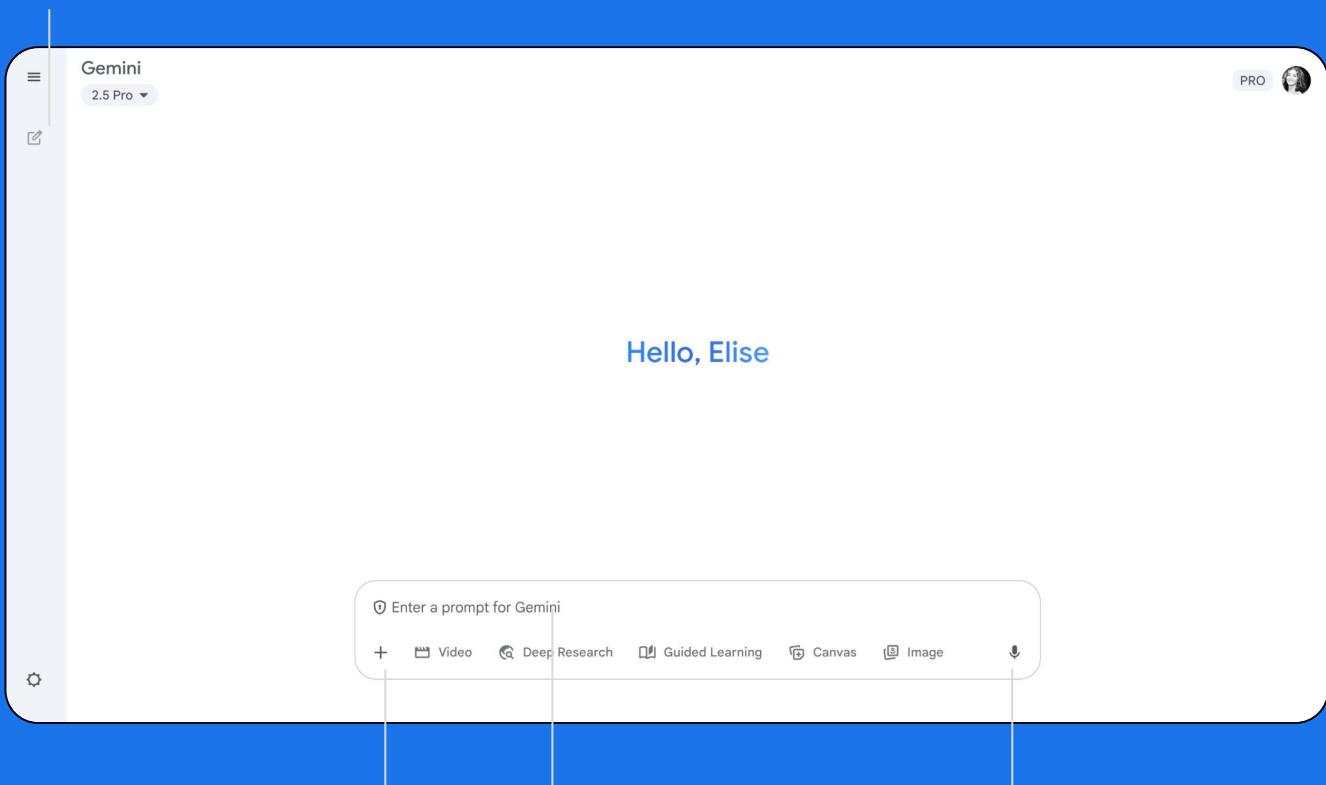


## Your AI-powered assistant for learning

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 3 Pro -our most intelligent model - 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



\*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?"



## Example

# Breaking down a complex topic

## Prompt

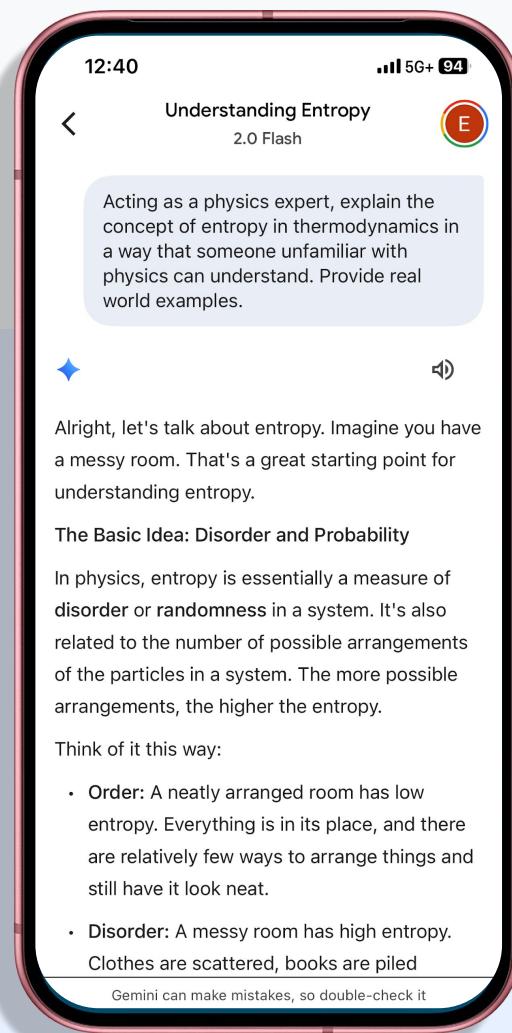
**Acting as a physics expert, explain the concept of entropy in thermodynamics in a way that someone unfamiliar with physics can understand. Provide real world examples.**

### 💡 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
<b>Preparing for an exam with personalized practice quizzes</b>	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
<b>Getting constructive feedback on a written draft for improvement</b>	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
<b>Identify citations and missing evidence</b>	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
<b>Brainstorming project ideas</b>	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
<b>Practicing coding with real examples</b>	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



Gemini Feature:

# 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.

The screenshot shows the Gemini AI interface. At the top, there's a search bar labeled "Ask Gemini" with a microphone icon for voice input. Below it is a "Tools" section with a "+" button and a "Tools" dropdown menu. The "Tools" menu is open, showing several options: "Deep Research" (which is highlighted with a gray background), "Guided Learning", "Canvas", "Images with Imagen", and "Videos with Veo". To the right of the tools are three circular buttons labeled "Search", "Create Image", and "Create Video".

## 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.

The screenshot shows the Gemini AI interface. On the left, the user has typed a prompt asking for help with a paper on robotics trends. A 'Start research' button is visible. Below the input field, there's a summary card for a project titled 'Robotics Trends and Advancements', which is 'Researching 11 websites...'. On the right, the AI has generated a detailed response with sections like 'Research Approach', 'Information Gathering Strategy', and 'Next Steps', along with a list of 11 websites for further reading.

Gemini  
2.5 Flash ▾ PRO

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

+ Video Deep Research ...

Robotics Trends and Advancements | Show thinking X

◆ **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 those trends.

◆ **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...	 robot... 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.

Hello, Elise

I am learning how to code. Make a cool tic-tac-toe game.

+ Video Deep Research Canvas >



## Example

# 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 shows the Gemini AI interface. A user prompt is displayed: "Help me build a simple physics simulation that shows a ball falling under...". Below the prompt, a "Show thinking" button is visible. The AI's response starts with "Okay, I can help you with that!" followed by a detailed explanation of the Python script. The script is titled "Python Falling Ball..." and includes comments explaining the physics and code logic. The console output at the bottom shows the simulation starting with gravity, mass, initial height, initial velocity, and time step values.

```
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:8.2f} | {position:10.2f} | {velocity:14.2f}")  
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         break  
57  
58 --- Starting Simulation ---  
59 Gravity: 9.81 m/s^2, Mass: 1.0 kg  
60 Initial Height: 100.0 m, Initial Velocity: 0.0 m/s  
61 Time Step: 0.1 s  
62  
63
```



# 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.

The screenshot shows the Google Gemini interface on a web browser. The title bar says "Google Gemini" and the address bar shows "gemini.google.com". The main area has a light gray background with a dark gray sidebar on the left containing a menu icon, a "Gemini" section, and a "2.5 Pro" dropdown. A dark gray message box contains the user's query: "Help me with this problem. A 10.5kg test rocket is fired vertically from Cape Canaveral. Its fuel gives it a kinetic energy of 1925J by the time the rocket engine burns all of the fuel. What additional height will the rocket rise? Assume air resistance is negligible." Below the message box, a blue diamond icon indicates a response: "Of course. Let's break it down together, step by step." The response continues: "This problem is a great example of the conservation of energy. The rocket has a certain amount of one form of energy when the fuel burns out, and that energy gets converted into another form as it flies higher and eventually stops rising." Another message follows: "What type of energy does the rocket have because it's moving? And what type of energy will it gain as it goes up?" At the bottom of the message box are icons for thumbs up, thumbs down, reply, and more. The footer of the interface includes a "Ask Gemini" input field, a "+" button, and tabs for "Deep Research", "Guided Learning" (which is highlighted in blue), "Canvas", and "Video". It also includes a note: "Gemini can make mistakes, so double-check it".



# 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. At the top, there's a 'Name' field with the placeholder 'Give your Gem a name'. Below it is an 'Instructions' section containing a sample text about being a horticulturist. There are three circular buttons below the instructions: a left arrow, a right arrow, and a refresh symbol. At the bottom of the instructions section is a 'Knowledge' button with a plus sign and a placeholder 'Add files for your Gem to reference'. To the right of the main form, there's a preview area with a 'Save' button at the top. Inside the preview area, there's a note: 'To preview your Gem start by giving it a name' with a circular icon containing a checkmark and a plus sign. At the very bottom, there's a text input field with a microphone icon and a plus sign, labeled 'Enter a prompt for Gemini'.

# Start with premade Gems

Get started easily with premade Gems by Google

The screenshot shows the Gemini app's "Gem manager" screen. At the top, there's a header with a menu icon, the text "Gemini", and a blue circular icon with a white letter "A". Below the header is a section titled "Gem manager" with a plus sign icon. Underneath is a heading "Premade by Google" followed by four cards:

- Brainstormer**: Find inspiration easily. Fresh ideas for parties, gifts, businesses and more.
- Career guide**: Unlock your career potential. Get a detailed plan to refine your skills and achieve your...
- Coding partner**: Level up your coding skills. Get the help you need to build your projects and learn as yo...
- Copy creator**: Get help writing branded content that appeals to your audience.

Below these is a section titled "Your Gems" containing three items:

- I Internship advisor**: Act as my personal 'Internship Advisor'. Help me navigate the internship application process and sec...
- B Biology coach**: Act as my personal tutor for Biology 301. Help me study, brainstorm ideas, and ace my exams in my co...
- D Debate partner**: Act as my personal expert debate partner. Help me prepare for debates by brainstorming arguments, co...

On the right side of the screen, there's a vertical sidebar with icons for settings, a question mark, a refresh arrow, and a gear. At the bottom right is a blue button labeled "+ New Gem".

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

Or create a new Gem built to tackle your specific needs

💡 Pro tip

# Create your own Gem

Give your new,  
personalized Gem a name

The screenshot shows the Gemini AI interface with the title "Gemini" at the top left. In the center, there's a "New Gem" card with a "Name" field containing the placeholder "Give your Gem a name". To the right of the name field is a "Preview" button. Below the name field is an "Instructions" section with a detailed example about being a horticulturist. At the bottom of the "New Gem" card are three circular icons: a back arrow, a forward arrow, and a pencil. To the right of the "New Gem" card is a large, semi-transparent callout box. This callout has a "Save" button at the top right. Inside the callout, there's a "To preview your Gem start by giving it a name" instruction with a "Gemini" icon. Below this is a text input field with a microphone icon and a plus sign, labeled "Enter a prompt for Gemini". At the very bottom of the callout, a small note reads: "Gemini can make mistakes, so double-check responses. Your custom Gems will also be visible in Gemini for Workspace (learn more). Create Gems responsibly."

Provide detailed instructions to make your Gem work for you

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



## Example

# 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

☰ Gemini

✍ < C Chemistry tutor

Name  Preview

Gem not saved Save

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

Ask Gemini + Microphone icon

⚙️

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



## Example

# 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

The screenshot shows the Gemini AI interface with a blue header bar labeled "Premade Gem". On the left, there's a sidebar with a menu icon, the text "Gemini 2.5 Pro", and a profile picture. The main area features a "Learning coach" card by LearnLM. The card includes a blue circular icon with a book and pen, the text "Learning coach by LearnLM", and a description: "Here to help you learn and practice new concepts. Tell me what you'd like to learn, and I'll help you get started." Below the card are four light gray boxes with rounded corners, each containing a question: "What are binary numbers?", "Explain what factors led to the fall of the Roman Empire.", "How does photosynthesis work?", and "I just finished reading Pride and Prejudice. Can we review the key themes and characters?". At the bottom, there's a search bar with the placeholder "Ask Gemini" and a button with a microphone icon and a right-pointing arrow.



## Example

# 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 AI interface. At the top, it says "Gemini 2.5 Pro". Below that is a message input field containing 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...". Underneath the input field, there's a "Career guide" button and a "Show thinking" dropdown menu. The AI's response starts with "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." It then provides a "Development plan" and lists two points: "Mastering the STAR Method" and "Common Questions & Custom Answers". At the bottom, there's an "Ask Gemini" input field with options to add video, canvas, or image, and a send button.



# 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

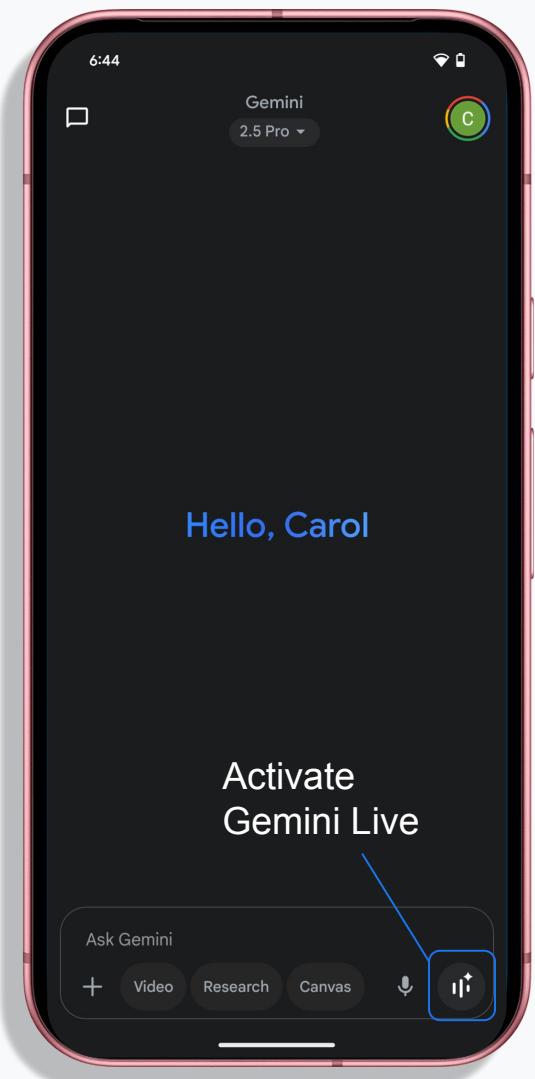
Use Gemini Live to brainstorm out loud. Gemini adapts to your conversational style so you can change your mind mid-sentence, ask follow-up questions, and multi-task with ease. Need to interrupt or want to change the subject? Gemini Live can easily pivot in whatever direction you want to take the conversation.

### 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.

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

A. Berthe Morisot

B. Claude Monet

C. Édouard Manet

D. Camille Pissarro

Back Next

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

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

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

# NotebookLM

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,  
Infographics and  
Reports like a study  
guide or FAQs

Share your notebook  
with classmates

The screenshot displays the NotebookLM application interface. On the left, the 'Sources' section shows a list of uploaded documents with checkboxes and titles like 'Action and Reaction', 'Balanced and Unbalanced ds', and 'Understanding Speed, Velocity and...'. In the center, the 'Chat' section features a microscope icon and the title 'Science in Motion' with a brief description of the sources. Below this are buttons for 'Save to note', 'Briefing doc', 'Study Guide', and 'FAQ'. At the bottom, there's a text input field 'Ask a question or make a request...' and three example questions. On the right, the 'Studio' section offers options for generating 'Audio Overview', 'Video Overview', 'Mind Map', and 'Reports'. A note at the bottom right states 'Studio output will be saved here. After adding sources, click to add Audio Overview, Short Cut, Study Guide, Mind Map, and more!'.

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.



## Example

# 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 shows the NotebookLM application interface. The top navigation bar includes 'Analytics', 'Share', 'Settings', 'PRO', and a user profile icon. The main area is divided into three panels: 'Sources' (left), 'Chat' (center), and 'Studio' (right).  
**Sources Panel:** Shows a list of 8 sources, each with a checkbox and a preview icon. Sources include: '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'.  
**Chat Panel:** Displays the user's prompt: "I'm struggling to understand what kinematics is. Help me understand in the most basic way." Below this, a detailed response is provided:

Kinematics is a fundamental area of physics that focuses solely on **describing motion without considering its causes**. Think of it as mapping out "what" an object is doing in terms of its movement, rather than "why" it is moving.

Here's a breakdown to help you understand kinematics in the most basic way:

- **Description, Not Cause**
  - In kinematics, your goal is to provide a **complete description of an object's motion** at any given moment. This means listing information about its position, how fast it's moving, and how its speed or direction is changing.
  - It's explicitly stated that in kinematics, "**you don't ask the reason behind anything**"; you simply describe how things are moving. This contrasts with **dynamics**, which *does* delve into the forces and laws of nature that cause motion.

Below the response, there is a text input field with placeholder "Start typing..." and a button to "Add note". A note at the bottom of the Chat panel 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 shows the NotebookLM application interface. On the left, the 'Sources' panel lists various course materials like videos and PDFs for a 'Physics 101' course. In the center, a 'Chat' window displays a summary of the course and a generated study guide. The study guide is titled 'Physics I: Core Concepts Study Guide' and includes sections on 'Applications' and 'Study Guide'. It provides a brief overview of the course and its objectives. On the right, the 'Studio > Note' panel shows the generated study guide document.

**Physics 101**

Sources

- + Add
- Discover

Select all sources

- 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
- physics-101 (1).pdf

Chat

**Physics 101**

This source is an introduction to a year-long physics course from Yale University, taught by Professor Ramamurti Shankar, covering Newtonian mechanics through modern physics like relativity and quantum mechanics. The lecture outlines course logistics, including homework submission, grading, and discussion sections, emphasizing the importance of active participation and problem-solving. Professor Shankar also details the mathematical prerequisites, primarily calculus, and proceeds to explain fundamental concepts such as kinematics, dynamics, and constant acceleration, illustrating them with practical examples like projectile motion. He frequently reinforces the significance of understanding underlying principles rather than rote memorization, encouraging students to think like physicists and engage with the material

Start typing... 8 sources

What core concepts and mathematical tools underpin the fo >

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Studio > Note

Physics I: Core Concepts Study Guide

(Saved responses are view only)

Physics I: Core Concepts and Applications

**Study Guide**

This study guide is designed to help you review and deepen your understanding of fundamental physics principles, covering topics from Newtonian mechanics to quantum mechanics, as introduced in the provided course materials.

**I. Course Logistics and Philosophy**

- 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

Convert to source

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.

The screenshot shows the 'Studio' screen of the NotebookLM app. At the top, there are four main buttons: 'Audio Overview' (blue), 'Video Overview' (green), 'Mind Map' (purple), and 'Reports' (yellow). Below these are three cards representing generated audio summaries:

- Decoding the Universe: From...** (6 sources · 18h ago) - Interactive
- Unlocking the Universe: Your Shortc...** (6 sources · 22h ago)
- Beyond Common Sense: Unpacking...** (8 sources · 12d ago)

At the bottom, there is a black button labeled 'Add note' with a pencil icon. The bottom-most card is expanded, showing the title 'Decoding the Universe: From Learni...', a progress bar at 00:00 / 15:24, and a play button. There are also like, dislike, and more options buttons.

# 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](https://grow.google/students)