

100+ ways to use Gemini in K-12 education

Created in partnership with educators from around the world, this guide is designed to help K-12 educators and administrators get started with Google AI tools like **Gemini for Education**, **Google NotebookLM**, and **Gemini in Classroom**.



This guide can help you learn how to:

- Apply best practices to write clear, effective prompts that maximize Gemini's capabilities
- Understand how the Gemini app and many of its key features (Gems, Gemini Canvas, Deep Research) can support teaching, learning, and working
- Use NotebookLM to organize sources, deepen research, and support personalized learning workflows
- Select and use prompts for planning, instruction, assessment, student support, and administrative work
- Discover prompts students can use in Gemini to support independent learning, study skills, coding, career exploration, and creative projects
- Explore ways to improve efficiency with Gemini in Google Workspace apps
- Use Gemini in Classroom to plan lessons, personalize learning, and create interactive student activities



This guide is designed to support your journey – from drafting your first prompt to using advanced AI features.

🔥 It's great for:
Self-guided practice
Professional learning communities (PLCs)

Sections

[Product overview and prompting best practices](#)

[Ways to use Gemini for Education](#)

[Ways to use Gemini: Gems](#)

[Ways to use Google NotebookLM](#)

[Ways to use Gemini in Classroom](#)

[Ways to use Gemini in Workspace](#)

[AI literacy resources](#)

[Admin setup](#)





Your AI-powered
assistant for education

Transform education with the help of Gemini



Save time

Speed up time-consuming tasks so you can focus on what matters most.



Make learning more personal

Captivate each student with content that's tailored to their needs and interests.



Inspire creativity

Get fresh ideas and inspiration for new approaches with your AI assistant.



Learn confidently

Empower students with AI-guided support to help them learn with confidence.



While keeping your data private and secure



Gemini can help your education community achieve more

Top use cases at a glance



Educators

- Draft lesson plans aligned with learning objectives and education standards
- Re-level texts and assignments, and increase student engagement by adjusting content to fit their interests
- Generate assessments, assignments, and rubrics from scratch, or use previous examples with corresponding answer keys



Students

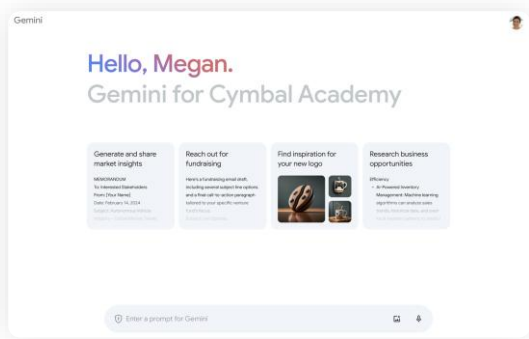
- Deepen understanding with on-demand support, like explanations of challenging concepts and step-by-step guidance
- Prepare for exams by creating personalized practice quizzes based on hard-to-grasp concepts
- Brainstorm and research ideas, get feedback on writing, and generate citations



Education leaders

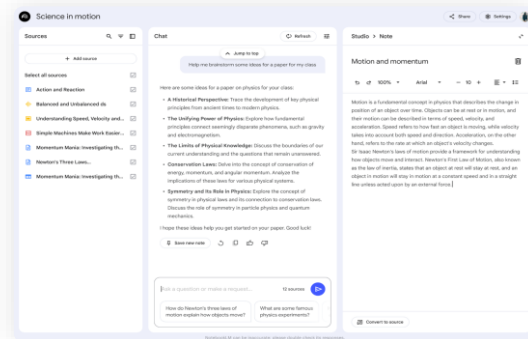
- Go from a blank page to a grant proposal, alumni-outreach template, newsletter, recommendation letter, or email to a parent
- Summarize long documents, analyze data, and create templates for budget proposals, permission slips, and more
- Brainstorm new initiatives, develop project plans, and draft presentations

Empower your education community with secure, free-of-charge generative AI tools



Gemini for Education

Plan lessons, differentiate learning materials, summarize content, and more at gemini.google.com.



Google NotebookLM

Understand anything with AI that's grounded only in the information you provide at notebooklm.google.com.



Gemini in Classroom

Plan and differentiate faster with 35+ Gemini tools for educators in Google Classroom.

Core Services with enterprise-grade data protection: data isn't reviewed or used to train AI models

Transform how you teach, learn, and work with the Gemini app



Access our most capable AI models

Gemini for Education includes expanded access to Gemini 3.1 Pro, our most intelligent model, which consistently ranks highly in 3rd party assessments.*



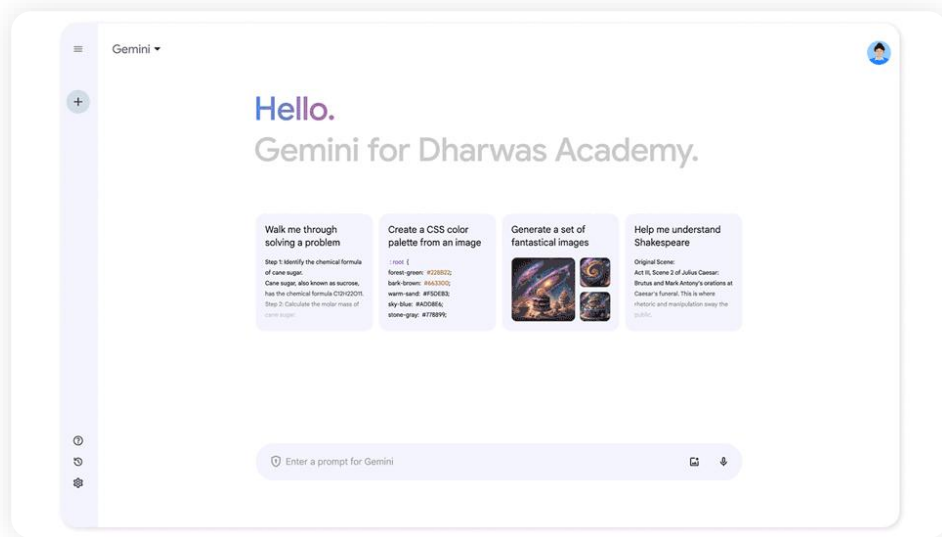
Grounded in learning science

Gemini is infused with LearnLM, our family of models and capabilities fine-tuned for learning, rooted in learning science principles, and built in partnership with education and child development experts.



Distinct experience for students under 18

Gemini has stricter content policies that prevent potentially inappropriate or harmful responses for users under 18, as well as a youth onboarding experience with AI literacy resources endorsed by ConnectSafely and the Family Online Safety Institute.



The Gemini app is available to users of all ages

* Source: [LMArena](#), as of February 2026

Anatomy of the Gemini app

The screenshot shows the Gemini app interface with the following components and annotations:

- Start a new chat:** A button in the top-left corner with a document icon.
- Add files to your prompt:** A menu containing "Upload files", "Add from Drive", and "Import code".
- Access Gemini tools:** A menu containing "Tools", "Deep Research", "Create videos (Veo 3.1)", "Create images", "Canvas", and "Guided Learning".
- Prompt input area:** A text input field containing "Hello," with a "Thinking" indicator and a microphone icon.
- Instead of typing your prompt, speak it!:** A callout pointing to the microphone icon in the prompt input area.

Note: [Google AI Pro accounts](#) get higher access to new and powerful features, including unlocking access to video generation (Veo 3.1).

Google for Education

Understand anything with Google NotebookLM

Meet your personal AI-powered research and thinking partner, grounded only in the information you provide



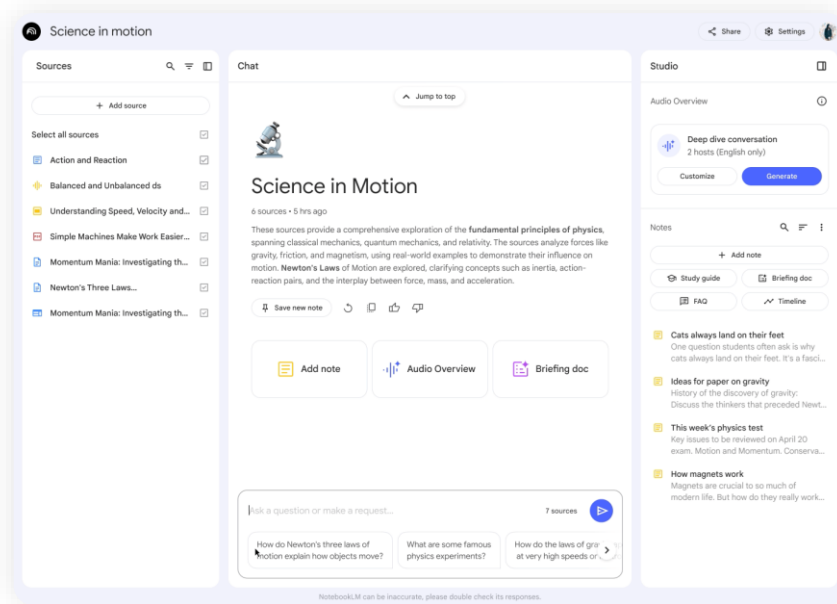
When you ask NotebookLM questions or to generate content, it only uses information from sources you provide. Think of it as an expert on your specific documents.



Upload your sources (like strategy plans, education standards, and class materials) and NotebookLM can answer questions and generate summaries, lesson plans, study guides, discussion questions, and quizzes – all with in-line citations to ensure accuracy.



NotebookLM is multilingual. You can upload sources from over [80 supported languages](#), including a combination of different languages, and then generate content in any of those languages.

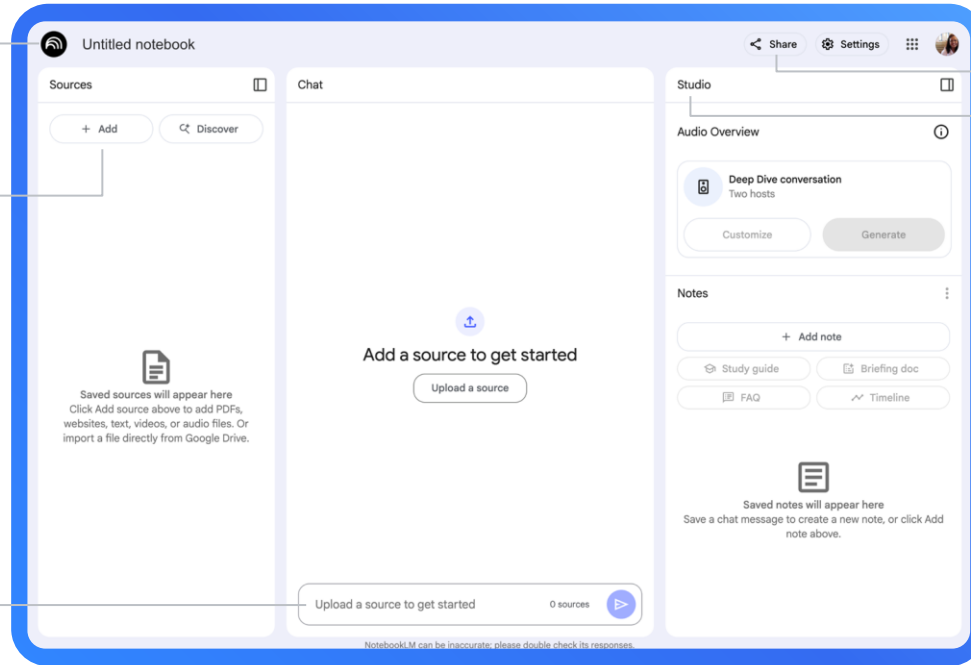


Anatomy of NotebookLM

Give your notebook a name

Upload your sources

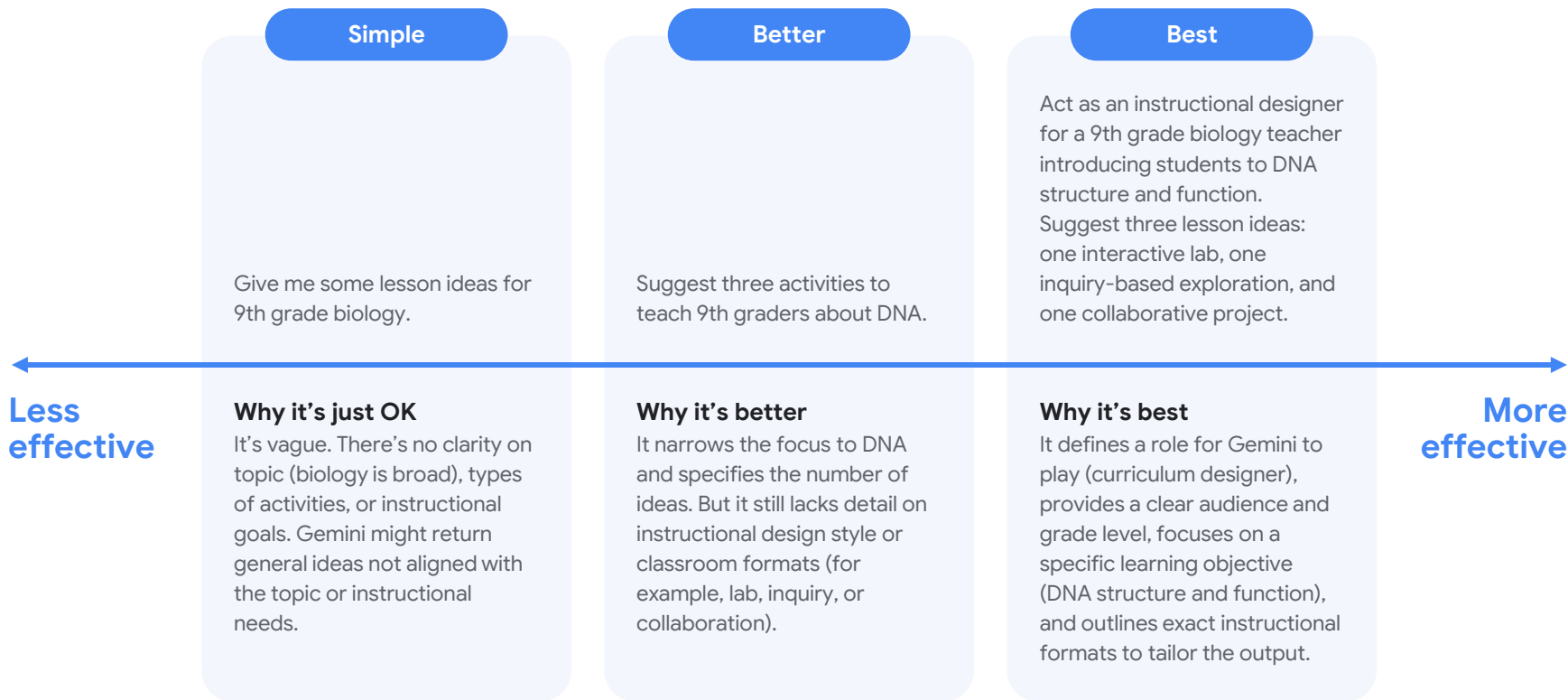
Ask questions of your sources



Optional: Share your notebook with colleagues or students

Optional: In the Studio panel, generate a podcast-style Audio Overview, study guide, FAQ doc, and more

How to prompt like a pro



Anatomy of a great prompt

Great prompts follow the PARTS framework – a simple way to guide Gemini step-by-step in creating exactly what you need. Use this model when you want Gemini to create something from scratch, like a lesson plan, rubric, email, or communication.

Element	What it means	Why it matters
P: Persona	Set Gemini's role	Helps Gemini respond with the right tone, expertise, and behavior (for example, "Act like a coach", "Act like an educator", or "Act like an instructional designer")
A: Act	Ask clearly for the task	Uses action words like "create", "rewrite", "explain", or "align" to get specific results
R: Recipient	Say who it's for	Helps tailor output to the student group, staff, or community members
T: Theme	Add your topic or concept	Guides the content with context like "early literacy," "DNA structure," or "social-emotional learning"
S: Structure	Name the format or model you want	Helps Gemini tailor its output into specific formats like lesson plans, rubrics, slides, newsletters, or instructional frameworks (for example, 5E or UDL)



You are a high school educator. Design a 5E lesson for 10th grade students introducing the structure and function of DNA. Tailor the lesson for an inquiry-based science class and include an engaging lab activity and a claim-evidence-reasoning (CER) writing prompt as the exit ticket.

Breaking down a great prompt with PARTS

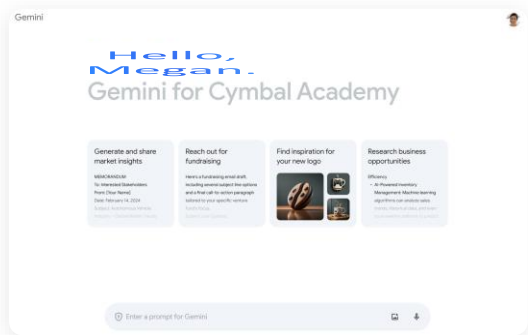
Here's how a strong classroom prompt maps to each element of the PARTS framework. Use this as a model when building your own.

Element	What it means	Why it matters
P: Persona	High school educator	Sets Gemini's tone and expertise level; expects a standards-aligned, professional lesson
A: Act	Design a 5E lesson	Directs Gemini to create a complete lesson using a well-known structure educators recognize
R: Recipient	10th grade students in an inquiry-based classroom	Helps tailor the level of difficulty and engagement strategies to fit real learners
T: Theme	Structure and function of DNA	Focuses the lesson on a specific science concept that needs to be introduced and explored
S: Structure	5E model with lab and CER writing prompt	Ensures the response uses an inquiry-based format and ends with a meaningful assessment aligned with Next Generation Science Standards-style practices

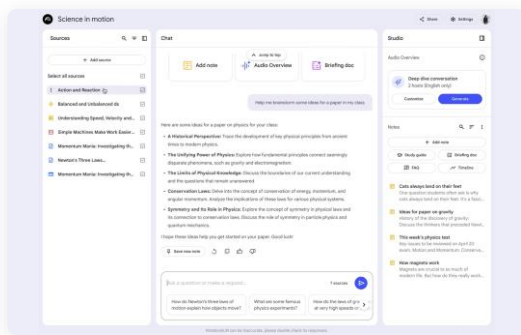
Find your way to the tools and prompts you want to explore



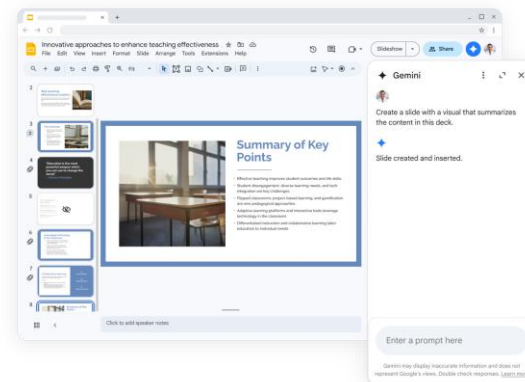
Jump to the following sections:



Gemini for Education



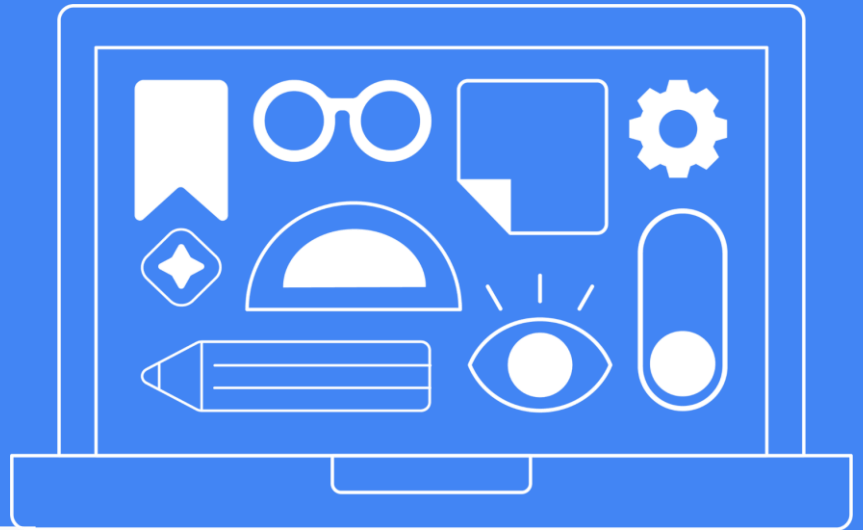
Google NotebookLM



Gemini in Workspace

Gemini for Education

Chat with the Gemini app and use powerful capabilities like Deep Research, Gemini Canvas, and Gems, all of which are available free of charge.





Get started with Gemini, your AI-powered assistant for education



Explore ideas, brainstorm ways to make them yours, then challenge yourself to create your own from scratch.

Get started with Gemini use cases by category

[Planning](#) 01

[Assessment](#) 02

[Instructional materials](#) 03

[Differentiation](#) 04

[Administrative tasks](#) 05

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[Student use](#) 07

Take your work to the next level

[Deep Research](#) 08

[Guided Learning](#) 09

[Gemini Canvas](#) 10

[Gems](#) 11

Generate lesson ideas

Prompt

You are a 9th grade biology teacher. Design a 5-day lesson sequence introducing DNA structure and function to students with mixed prior knowledge. Align each day's focus to NGSS standards, and include a balance of interactive, inquiry-based, and collaborative learning. Use an anchoring phenomenon or real-world context students can return to as they deepen their understanding.



Tip

Ask Gemini to include vocabulary scaffolds and formative checks for Day 3 and Day 5.



Great for

Standards-aligned science planning with intentional pacing and differentiation.

The screenshot shows the Gemini AI interface with the following content:

- Gemini** header with a "2.5 Flash" dropdown and a "PRO" badge.
- A text input field containing the prompt: "You are a 9th grade biology teacher. Design a 5-day lesson sequence introducing DNA structure and function to students with mixed prior knowledge. Align each day..."
- A response starting with a diamond icon: "Here's a 5-day lesson sequence introducing DNA structure and function for 9th-grade biology students with mixed prior knowledge, aligning with NGSS standards and incorporating diverse learning strategies."
- DNA: The Blueprint of Life - A 5-Day Lesson Sequence**
- Grade Level:** 9th Grade Biology
- Time Allotment:** 5 x 50-minute periods
- Overall Goal:** Students will understand the basic structure and function of DNA, its role as the genetic material, and how it relates to heredity and protein synthesis.
- Assumptions:** Students have a basic understanding of cells and macromolecules (proteins, carbohydrates, lipids - though a quick review will be integrated).
- Day 1: Unraveling the Mystery - What is DNA?**
- NGSS Alignment:**
 - HS-LS1-1: Construct an explanation based on evidence for how the structure of DNA
- An "Ask Gemini" input field at the bottom with icons for Video, Deep Research, and Canvas.

Planning

Use case	Prompt	Tip	Great for
Lesson creation	<u>You are a curriculum co-designer. Create a 3-part lesson on decimal division word problems for a 5th grade math class using the gradual release model (I do, we do, you do).</u>	Include a specific standard or student learning objective.	Creative, scaffolded lessons
Unit design	<u>You are an interdisciplinary unit planner. Design a 2-week high school humanities unit on WWII and media literacy with a driving question, aligned standards and learning outcomes, built-in assessment checkpoints, and a day-by-day learning experience plan.</u>	Ask Gemini to propose performance-based assessments and pacing suggestions.	Integrated unit design with cross-curricular connections
Course syllabus	<u>You are a high school course designer. Create a syllabus for an introductory sociology course, including weekly topics, major assignments, and a grading breakdown.</u>	Ask Gemini to align each week's topics with specific learning outcomes or skills.	Structured course planning with clear progression and expectations
Interdisciplinary planning	<u>You are a cross-curricular planning partner. Develop a 2-day project for 8th graders combining environmental science and persuasive writing. Students should argue for or against a local sustainability policy.</u>	Ask Gemini to recommend a student reflection or discussion prompt.	Creative real-world projects across disciplines
Professional development (PD)	<u>You are a PD designer for an instructional coach. Outline a 60-minute session that helps teachers explore how AI supports instructional planning. Include learning objectives, engagement strategies, and reflection prompts.</u>	Include breakout formats or follow-up tasks for use by the professional learning community (PLC).	Planning meaningful, structured educator PD
Tech adoption plan	<u>You are an IT planning lead. Draft a 6-week onboarding plan to help faculty adopt Gemini for instruction and admin tasks. Include 1 professional learning per week, as well as progress monitoring and feedback loops throughout the month.</u>	Ask Gemini to create follow-up emails, slide decks, or tip sheets for faculty.	Tech integration with measurable rollout phases

Differentiate an existing assessment

Prompt

You are a 10th grade world history teacher. Rewrite an Industrial Revolution exam using the same learning objectives and number of questions. Adjust the wording and format to provide new practice opportunities for students who need an alternative version. [Upload exam]



Tip

Mention if you want specific formats (for example, short answer) or paste a sample question to match tone and rigor. Don't forget to upload the exam!



Great for

Differentiating assessments for makeups, accommodations, or review.

The screenshot shows the Gemini AI interface. At the top, it says "Gemini" and "2.0 Flash". On the right, there are icons for a document, a grid, and a profile picture. Below the header, there is a plus sign icon. A prompt is entered in a text box: "As a 10th-grade world history teacher preparing students for an exam on the Industrial Revolution, create a new version of the test I have attached. Keep the sa...". Above the prompt, there is a small box labeled "10th-grade...Revolution" with a "Google Docs" icon. Below the prompt, there is a response from Gemini. The response starts with a star icon and the word "Analysis". The text of the response is: "Absolutely! Here's a revised version of your 10th-grade World History test on the Industrial Revolution, maintaining the same learning objectives and number of questions, but with reworded questions to offer fresh practice: Revised 10th Grade World History Test: The Industrial Revolution Assessed Standard: Understand the major political, economic, and social transformations in Illinois history from the early 19th century through the Civil War era. Instructions: Choose the best answer for each of the following questions." Below the response, there is a text input field with the placeholder "Enter a prompt for Gemini" and a microphone icon. At the bottom, there is a small disclaimer: "Gemini can make mistakes, so double-check it. [Your privacy & Gemini](#)".

Assessment

Use case	Prompt	Tip	Great for
Quiz generation	<u>You are an assessment designer. Quiz my 9th graders on factoring binomials. Ensure questions assess both understanding and reasoning.</u>	Ask Gemini to include answer keys and brief explanations for each question.	Creating varied, standards-aligned assessments with built-in feedback
Data analysis for instruction	<u>You are a teaching partner reviewing assessment results from a 5th grade reading benchmark. Analyze the data, identify learning trends, and suggest flexible grouping strategies for reteaching. [Upload document to analyze]</u>	Upload anonymized results for tailored insights or ask for Tier 2 intervention ideas. Don't forget to upload the document to analyze!	Linking data to responsive instruction
Case-based assessment design	<u>You are a high school teacher teaching an introductory psychology course. Design a case-based assessment that asks students to apply theories of behavior to a real-world scenario. Include the scenario, 3 analysis questions, and a rubric with criteria for evidence use and conceptual accuracy.</u>	Ask Gemini to suggest variations of the case for different student groups or scaffold it for tutoring use.	Applying theory to real-world analysis in a secondary school context
Rubric co-design	<u>You are a rubric co-designer. Create a project-based rubric for a high school environmental science task where students will make policy recommendations to mitigate the pollutants in a body of water. Include criteria for research, collaboration, product quality, and reflection. Make the rubric clear and specific enough for students to use for self-assessment.</u>	Ask Gemini to revise the rubric for peer assessment or self-reflection use.	Aligning assessment with goals and student ownership
Performance task	<u>You are a high school writing coach. Design a performance assessment that asks students to write an argumentative essay responding to a real-world issue. Include a brief scenario, clear task prompt, sample source material students can use or respond to within their arguments, and grading criteria.</u>	Ask Gemini to align the task with outcomes like thesis clarity, evidence use, and tone.	Assessment in secondary school courses
Professional learning community support for assessment literacy	<u>You are an instructional leader supporting a 6th grade PLC. Plan a 45-minute session to help teachers analyze student work samples in math. Include discussion protocols, look-for guidance, and next-step actions.</u>	Request sample slides, handouts, or a norm-setting kickoff activity.	Building shared assessment practices and calibration

Lab guide creation

Prompt

You are a biology lab coordinator. Create a student-facing lab guide for a DNA extraction experiment that includes step-by-step procedures, safety tips, prediction prompts, and space for observations.



Tip

Ask Gemini to provide an appendix that includes vocabulary words and a version for digital or printed use.



Great for

Creating structured, inquiry-based lab experiences.

The screenshot shows the Gemini AI interface. At the top, it says "Gemini 2.0 Flash". A light blue box contains the prompt: "includes step-by-step procedures, safety tips, prediction prompts, and space for observations." Below this, a response is generated, starting with a star icon and the text: "Welcome to the fascinating world of molecular biology! Today, we'll be embarking on a journey to isolate one of life's fundamental building blocks: Deoxyribonucleic Acid, or DNA. This experiment will allow you to extract DNA from strawberries, a readily available and surprisingly rich source." The response continues with a "Lab Guide: Unlocking the Secrets Within - DNA Extraction from Strawberries" and an "Objective: To successfully extract and visualize genomic DNA from strawberry cells." It lists "Materials:" including fresh strawberries, extraction buffer, 95% cold ethanol, a wooden stirring rod, and a 10 mL graduated cylinder. At the bottom, there is a text input field with the placeholder "Enter a prompt for Gemini" and a "Canvas" button. A small note at the very bottom states: "Gemini can make mistakes, so double-check it. [Your privacy & Gemini](#)"

Instructional materials

Use case	Prompt	Tip	Great for
Re-level a reading passage	<u>You are a cross-content literacy expert. Use this attachment to generate an article for 7th graders on photosynthesis at 3 reading levels: emerging (late 5th–6th), on-grade-level, and advanced readers (8th–9th). All the articles must cover the content in the attachment, but with varied scaffolds. Include 2 comprehension questions per version. [Upload document with the reading passage]</u>	Ask Gemini to include a glossary or add icons to support concept understanding. Don't forget to upload the reading passage!	Differentiating reading materials to support varied learners
Student-facing handout creation	<u>You are an instructional assistant for a 10th grade (ages 15–16) English language arts teacher. Create a student handout that teaches how to identify theme in literature. Include a short passage, guiding questions, and a reflection prompt.</u>	Ask Gemini to format it as a one-pager with visual structure.	Ready-to-use scaffolds for literary analysis
Content personalization from a textbook	<u>Act as a learning designer. I've uploaded a page from a 9th-grade biology textbook. Create a simplified summary for general ed students, and include a follow-up prompt to encourage discussion or journaling. [Upload textbook content]</u>	Ask Gemini to keep technical accuracy while adjusting tone and vocabulary. Don't forget to upload the textbook content!	Making complex materials more accessible for diverse learners
Discussion guide creation	<u>You are a high school teacher preparing a discussion-based class on digital privacy and surveillance. Create a student-facing discussion guide with a brief scenario, 3 open-ended questions, and a reflection activity.</u>	Ask Gemini to scaffold the questions using Bloom's Taxonomy or align them to course themes you've attached.	Supporting student-led dialogue and deeper analysis in secondary school settings
Skill-focused practice activity	<u>You are an instructional coach supporting a 6th grade teacher. Create a student-facing activity that builds the skill of using text evidence in responses. Include a short nonfiction passage, 3 scaffolded questions (from surface-level to analytical), and a self-check checklist for students to use.</u>	Ask Gemini to adjust the reading level or reword the checklist in student-friendly language.	Building focused practice tied to comprehension skills and saving prep time for scaffolded literacy tasks

Differentiation

Use case	Prompt	Tip	Great for
Give tailored feedback to each student	<u>Act as an instructional coach for 7th grade English language arts. For a student's persuasive essay on "Should tablets replace textbooks?" where they have a clear main idea but weak evidence and an abrupt conclusion, please draft 2 encouraging, actionable feedback points focusing on improving the strength of the evidence and developing a structured conclusion. Explain the suggestions and provide a script for me to use.</u> [Upload student paper]	Upload your rubric or list 2 to 3 key learning objectives for the assignment. Don't forget to upload the paper before submitting your prompt!	Saving time, enhancing the quality and personalization of feedback, making comments more actionable, and fostering individual student growth and reflection
Tiered reading activity	<u>You are a curriculum designer for a 7th grade (12–13 year olds) ELA class. Create 3 versions of a reading task on theme using the short story "Seventh Grade" by Gary Soto: one for emerging, one for on-level, and one for advanced readers.</u>	Ask Gemini to include vocabulary scaffolds or guiding questions per level.	Tiered instruction that meets students where they are
Small group support plan	<u>You are a literacy interventionist. Create a 3-day small-group support plan for 3rd grade students who are struggling with decoding multisyllabic words. Include one interactive activity, one guided practice, and one review game.</u>	Ask Gemini to include materials or printable cards to use with students.	Targeted intervention that's ready to implement
UDL lesson adaptation	<u>You are a co-teacher planning a 9th grade science lesson on cell structures. Adapt the lesson using Universal Design for Learning (UDL) to support students with varied cognitive, language, and sensory needs. Include multiple ways for students to engage and show understanding.</u>	Ask Gemini to generate a table with access, expression, and engagement strategies.	Planning inclusive lessons from the start
Multilingual support strategy	<u>You are an instructional coach supporting a 6th grade team with multilingual learners. Create a support strategy for an upcoming unit on persuasive writing. Include vocabulary supports, visuals, and sentence frames and explain your decisions so I understand the principles involved.</u>	Ask Gemini to generate home-language versions or culturally relevant examples.	Integrating academic language supports across content
Choice board creation	<u>You are a curriculum designer. Create a 6-option choice board for a unit on climate change that allows students to demonstrate understanding through different formats (for example, writing, visuals, discussion, multimedia). Align each option with the same learning goal and vary complexity.</u>	Ask Gemini to tag each option with suggested tools (for example, Slides, Jamboard, Docs) or alignment to learning styles.	Offering students flexible ways to show what they know

Schedule planning for testing week

Prompt

You are a school operations assistant. Create a daily schedule for state testing week at a middle school. Include core testing blocks, break times, and alternative activities for non-tested grades. Cover Monday through Friday and ensure the schedule is staff-friendly.



Tip

Ask Gemini to add setup and reminder tasks for proctors and admin support.

Great for

- Structuring complex weeks with clarity
- Ensuring coverage, communication, and classroom flow

Gemini

2.0 Flash

9:00 - 10:00 AM	Supervised Break (7th Grade)	Gymnasium/Designated Area	Movement break, restroom use, light snacks. Staff supervision required.
10:30 - 12:00 PM	Testing Block 2: Math - Session 2	Designated Testing Rooms	Quiet Zone. Testing proctors continue the test. Staff monitors hallways and restrooms.
12:00 - 12:45 PM	Lunch (All Grades)	Cafeteria	Regular lunch schedule. Staff supervision in the cafeteria.
12:45 - 2:30 PM	Alternative Activities (6th & 8th Grades)	Various Locations	6th Grade: Music Appreciation & Instrument Exploration (Music Room). 8th Grade: Career Exploration & Guest Speaker (Auditorium/Library). Staff facilitate activities.
2:30 - 2:45 PM	Dismissal	Buses/Pick-up Areas	Regular dismissal procedures.

Export to Sheets

Friday: 8th Grade Science Testing

Enter a prompt for Gemini

Canvas

Administrative tasks

Use case	Prompt	Tip	Great for
Staff meeting agenda creation	<u>You are an instructional coach. Create a 45-minute staff meeting agenda focused on integrating AI in instruction. Include time blocks, discussion prompts, and action steps.</u>	Ask Gemini to align the agenda with district goals or a schoolwide professional development theme.	Focused, goal-driven collaboration around innovation
Email drafting for policy updates	<u>You are a school communications coordinator. Draft an email for staff that summarizes updates to your school's AI use policy. Keep the tone professional and supportive, and include a link to full documentation.</u>	Ask Gemini to create alternate versions for families or students.	Clear, consistent communication around evolving policy
Rollout plan for new tech tool	<u>You are an IT implementation lead. Create a 3-phase rollout tool for a new digital learning tool to be used by teachers, including key dates, training sessions, and progress check-ins.</u>	Upload your tech calendar or resource list for tailored planning.	Structured, realistic tech-adoption strategies
Template creation for school communities	<u>You are a school communications manager. Draft a flexible newsletter template for alumni outreach. Include placeholders for event recaps, donation links, and class updates.</u>	Ask Gemini to generate sample content to accelerate your workflow.	Consistent, scalable messaging to school communities
Performance review notes starter	<u>You are an instructional coach preparing for teacher evaluations. Draft 3 open-ended reflection prompts to guide performance conversations that support professional growth.</u>	Ask Gemini to differentiate prompts based on experience level.	Reflective, constructive coaching conversations
Schoolwide announcement drafting	<u>You are a principal preparing a schoolwide announcement about an emergency drill. Write a clear, calming message to be read over the intercom that informs and reassures students and staff.</u>	Ask Gemini to generate alternate versions for email or text alerts.	Quick drafting of urgent, high-clarity communications

Grant proposal brainstorming

Prompt

You are a grant writing support coach. I'm developing a proposal to study the impact of AI tools on teaching practices in K-12 education. Help me outline a compelling draft that includes a research question, rationale, methods, and potential outcomes by facilitating a brainstorm session to make sure the draft meets my needs.



Tip

Ask Gemini to align the proposal structure with National Science Foundation, Spencer Foundation, or institutional research funding templates.



Great for

Accelerating grant drafts for AI-focused educational research.

The screenshot shows the Gemini chat interface. On the left is a vertical sidebar with a hamburger menu icon, a share icon, and a close icon. The main chat area has a header with 'Gemini' and a user profile 'PRO .monks'. A blue prompt bubble contains the text: 'You are a grant writing support coach. I'm developing a proposal to study the impact of AI tools on teaching practices in K-12 education. Help me outline a...'. Below it is a response from Gemini, starting with a blue diamond icon: 'That sounds like a highly relevant and timely research proposal! I'm happy to help you brainstorm and outline a compelling draft. As your grant writing support coach, I'll guide you through the essential components. Let's start with the core elements of your proposal.' The response continues with a section header 'Phase 1: Core Research Outline' and a sub-section '1. Research Question (RQ)'. At the bottom is a text input field with the placeholder 'Enter a prompt for Gemini', a plus icon, a tools icon, and a 'Fast' dropdown menu. A small disclaimer at the bottom reads: 'Your Monks chats aren't used to improve our models. Gemini can make mistakes, so double-check it. [Your privacy & Gemini](#)'.

Use case	Prompt	Tip	Great for
Literature review	<u>You are a research assistant. Help outline a literature review for a final paper on the impact of AI on workplace productivity. Group key themes, recommend structure, and suggest potential sources to explore further.</u>	Paste in working notes or prior citations for Gemini to cluster and build on.	Structuring messy research inputs into a coherent review
Refining a research question	<u>You are a writing coach. Please guide me through an iterative process to narrow my starting topic, "urban food insecurity." Please start by asking me 3–4 diagnostic questions to probe my specific interests in population, context/location, and problem, mechanism, or intervention. Then, let's work together to refine that idea into a focused question.</u>	Ask Gemini to align each version with possible methods or data sources.	Moving from idea to focused, researchable inquiry
Source comparison	<u>You are a critical reading partner. Compare two academic sources on climate migration. Summarize the key arguments, note areas of agreement or disagreement, and suggest how I might synthesize them in my own paper.</u>	Paste in two abstracts or excerpts for Gemini to analyze in context.	Accelerating synthesis across multiple viewpoints
Citation starter and formatting help	<u>You are a research assistant. I'm writing a paper in APA 7. Help me generate citations for 3 articles and format a reference page. Also flag any citation elements I'm missing.</u>	Ask Gemini to double-check digital object identifiers or generate BibTeX entries for academic software.	Saving time and improving accuracy in academic writing

Deepen understanding with guidance Prompt

You are a biology teacher. I need to understand DNA replication. Explain it simply. Then, show me step-by-step how to outline the key stages and the main enzymes involved in each stage.



Tip

Be specific with the concept and the task. You can say, "Explain it like I'm an 11th grade biology student."



Great for

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

The screenshot shows the Gemini AI interface with the following content:

Gemini
2.5 Pro (experimental)

Okay, I can help with that! Let's break down DNA replication in a simple way, then go through the key stages and enzymes involved step-by-step.

What is DNA Replication? Simply Put.

Imagine you have an instruction manual (that's your DNA) that tells your cells how to build and operate your body. DNA replication is the process of making an exact copy of this entire instruction manual. This is crucial whenever a cell divides to make new cells (like for growth or repair), so each new cell gets its own complete and correct set of instructions.

The Main Steps and Key "Worker" Enzymes:

Think of DNA replication like unzipping a very long, twisted zipper (your DNA double helix) and then building a new matching side for each of the unzipped halves. Several special proteins called **enzymes** do the work. Here are the main ones:

- 1. Helicase (The Unzipper):** This enzyme unwinds and "unzips" the DNA double helix, separating the two strands.
- 2. Primase (The Primer Placer):** Before new DNA can be made, Primase creates small RNA "primers." These are like starting blocks that tell the main building enzyme where to begin.
- 3. DNA Polymerase (The Builder):** This is the star enzyme! It reads the original (template) DNA strand and adds new, matching building blocks (nucleotides) to create the new DNA strand. It also has a proofreading ability to fix mistakes.
- 4. Ligase (The Gluer):** This enzyme seals up any small gaps or breaks in the newly made DNA

At the bottom, there is a text input field with the placeholder "Enter a prompt for Gemini" and a plus sign icon.

Student use

Reinforcing concepts with flash cards

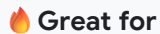
Prompt

Act as an educational content creator and design interactive flashcards for freshman biology students focusing on key vocabulary from the provided class material, structured as question-and-answer flashcards to aid in review and understanding. [Upload class material]



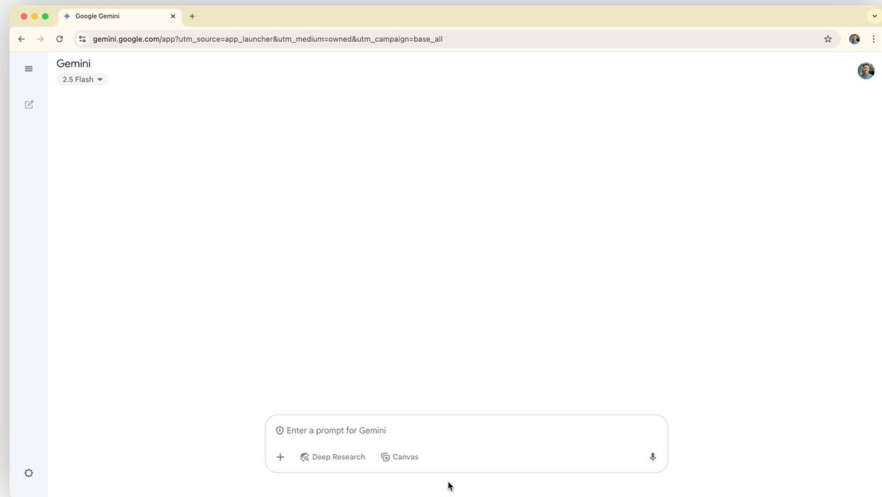
Tip

Adding your class materials helps Gemini produce more relevant outputs.



Great for

Reinforcing concepts and preparing for quizzes or exams.



Use case	Prompt	Tip	Great for
Preparing for an exam with personalized practice quizzes	<u>Act as a biology teacher. I am a HS freshman and 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 10 multiple-choice questions and 5 short answer questions, and provide the answers separately.</u>	Be very specific about the subject, exam type (for example, final, midterm, quiz), and the exact topics you want the quiz to cover.	Targeted review, identifying weak spots, and active recall practice before exams
Getting constructive feedback on a written draft for improvement	<u>Act as a high school history teacher. I am a high school freshman, and 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. [Upload essay]</u>	For targeted insights, ask questions like, “Is my introduction engaging?” Or “Are my counterarguments addressed well?” Don't forget to upload the essay before submitting your prompt!	Refining arguments, checking for clarity, understanding a reader's perspective, and improving specific writing skills
Identifying citations and missing evidence	<u>Act as a writing instructor. Here's my essay on the ethical implications of AI in healthcare. Can you help me identify specific sentences or claims that need citations to support them, and suggest where I might need to add evidence.</u>	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	<u>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 high school junior.</u>	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

Student use

Use case	Prompt	Tip	Great for
Practicing coding with real examples	<u>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 high school student in an introductory programming course.</u>	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 Gemini Canvas.	Interactive, scaffolded practice in computer science
Practicing for the SAT exam	<u>I want to take a practice SAT test.</u>	Use the immediate feedback you receive to identify areas for further study and ask Gemini to create a customized study plan based on your performance. If a concept still feels fuzzy, ask Gemini to explain the correct answer using a different analogy or real-world example.	Full-length standardized exam practice experience, grounded in fully vetted material from The Princeton Review.
Practicing for the JEE Main exam	<u>I want to take a JEE Main mock test.</u>	Take the feedback from each practice question to identify your weak spots and have Gemini create a customized study plan to bridge those gaps.	Full-length standardized exam practice experience, grounded in fully vetted material from Physics Wallah and Careers360.

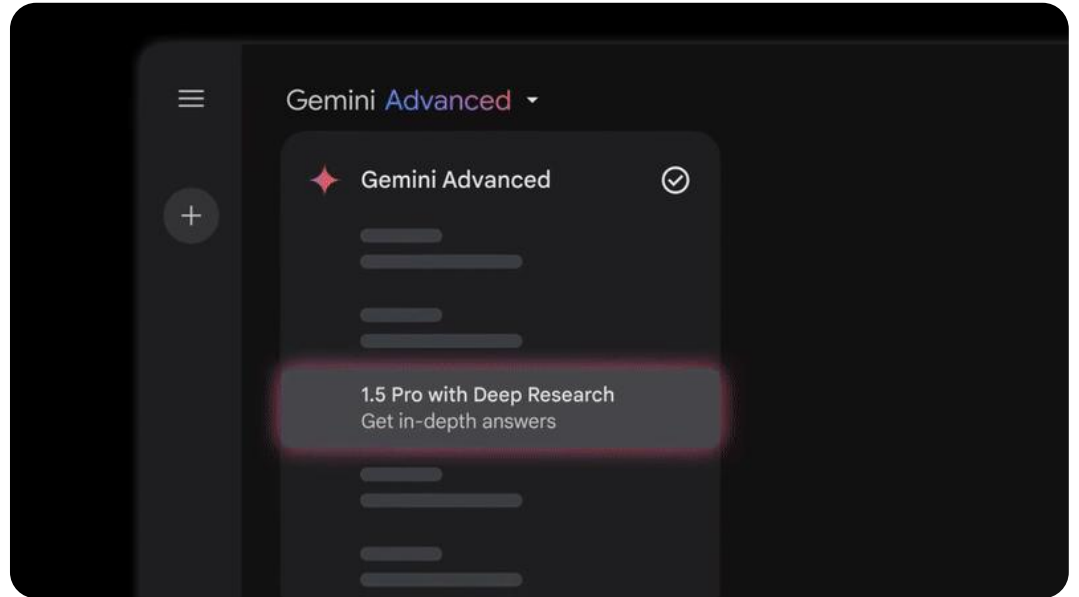


Take Gemini to the next level
with advanced capabilities

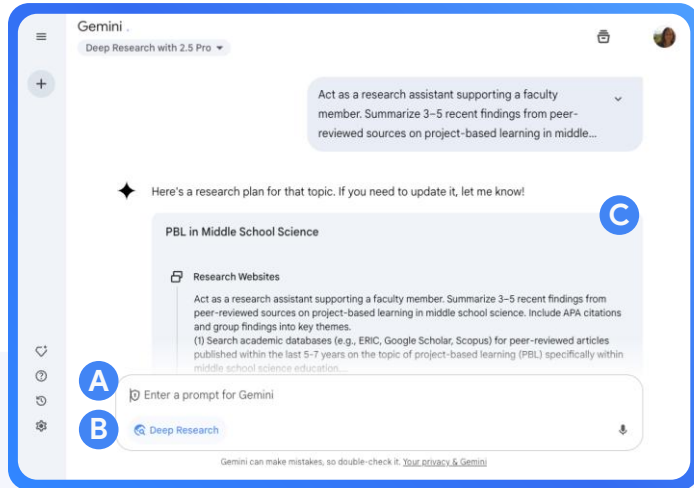
Deep Research

Generate in-depth reports in minutes

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** on your behalf, think through its findings, and create insightful multipage reports with citations.



How Deep Research works

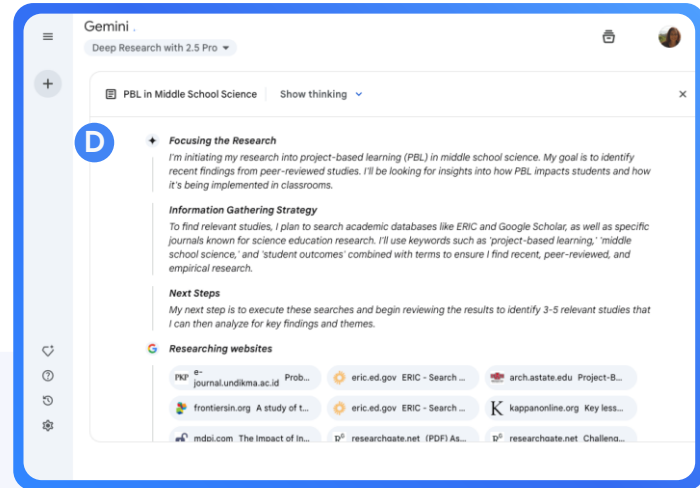


A **Initiate your request.** Submit your prompt in Gemini.

B **Select Deep Research mode.** You can do this in two ways:

- Choose “Deep Research” from the options at the middle of the chat box.
- Alternatively, select “Deep Research” using the model picker located under the Gemini logo at the top of the interface.

C **Review and refine the proposed research plan.** Gemini will develop and present a draft research plan. Take this opportunity to review it and make any edits or refinements to better suit your needs (for example, ask to “add a section on implementation costs” or “include international examples”).



D **Start the research and observe execution.** Click “Start research” to begin. You can then watch in real time as Deep Research executes the plan and gathers information.

E **Observe the comprehensive report.** After the research is complete, Gemini will provide you with a detailed report.

Tip: After your report is complete, you can ask Gemini follow-up questions about it. These questions do not count toward your monthly limit of Deep Research reports.

Deep Research example

Lit review starter

Prompt

Act as a research assistant supporting a faculty member. Summarize 3 to 5 recent findings from peer-reviewed sources on project-based learning in middle school science. Include APA citations and group findings into key themes.



Tip

Ask Gemini to organize results by outcome type (for example, engagement or achievement).

Great for

Literature reviews, grant narratives, or professional development design grounded in research.

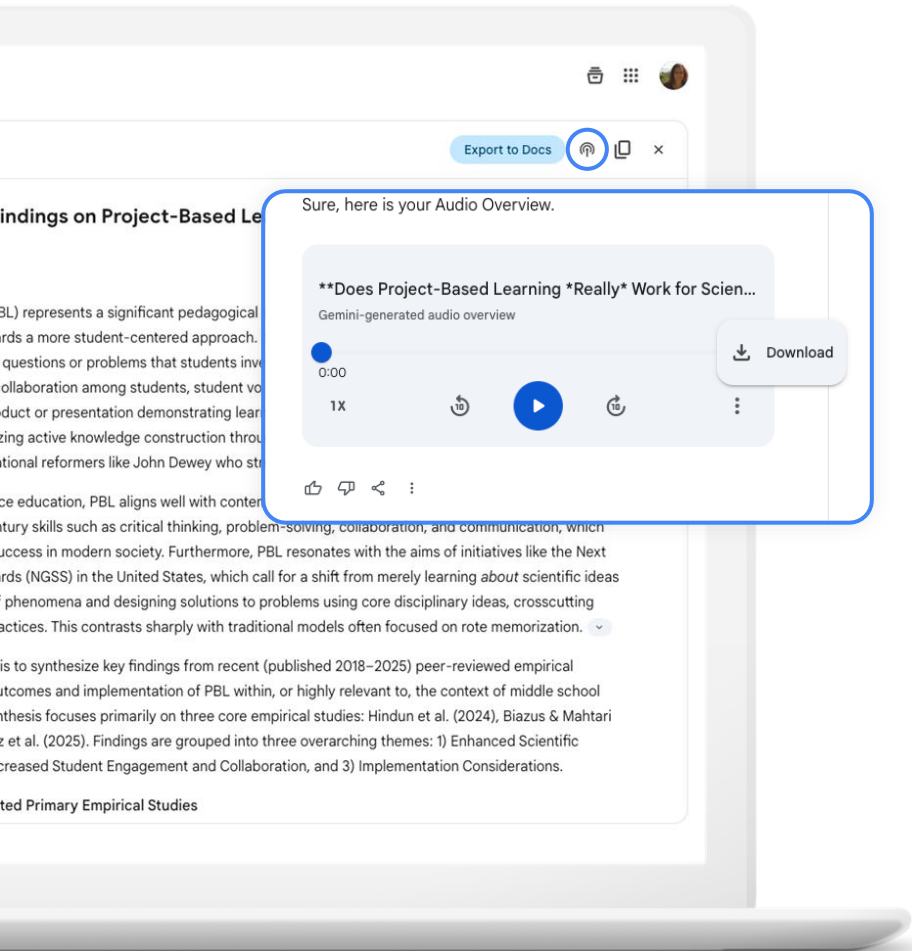
The screenshot shows the Gemini AI interface. At the top, it says "Gemini" and "Deep Research with 2.5 Pro". Below that, there's a search bar with the text "PBL in Middle School Science" and an "Export to Docs" button. The main content area displays the following text:

Recent Empirical Findings on Project-Based Learning in Middle School Science Education

I. Introduction

Project-Based Learning (PBL) represents a significant pedagogical shift, moving away from traditional, didactic instructional methods towards a more student-centered approach. It is characterized by learning activities organized around authentic, complex questions or problems that students investigate over an extended period. Key features often include sustained inquiry, collaboration among students, student voice and choice, reflection, critique and revision, and the creation of a public product or presentation demonstrating learning. This methodology is grounded in constructivist learning theories, emphasizing active knowledge construction through meaningful experiences and social interactions, echoing the ideas of educational reformers like John Dewey who stressed experiential learning and problem-solving.

Within middle school science education, PBL aligns well with contemporary educational goals. It provides a framework for developing crucial 21st-century skills such as critical thinking, problem-



Deep Research Audio Overviews for flexible learning

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 while you multitask.

Download and
share

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

- Save for offline listening
- Embed in a course hub or learning management system
- Share with a professional learning community (PLC) or student group

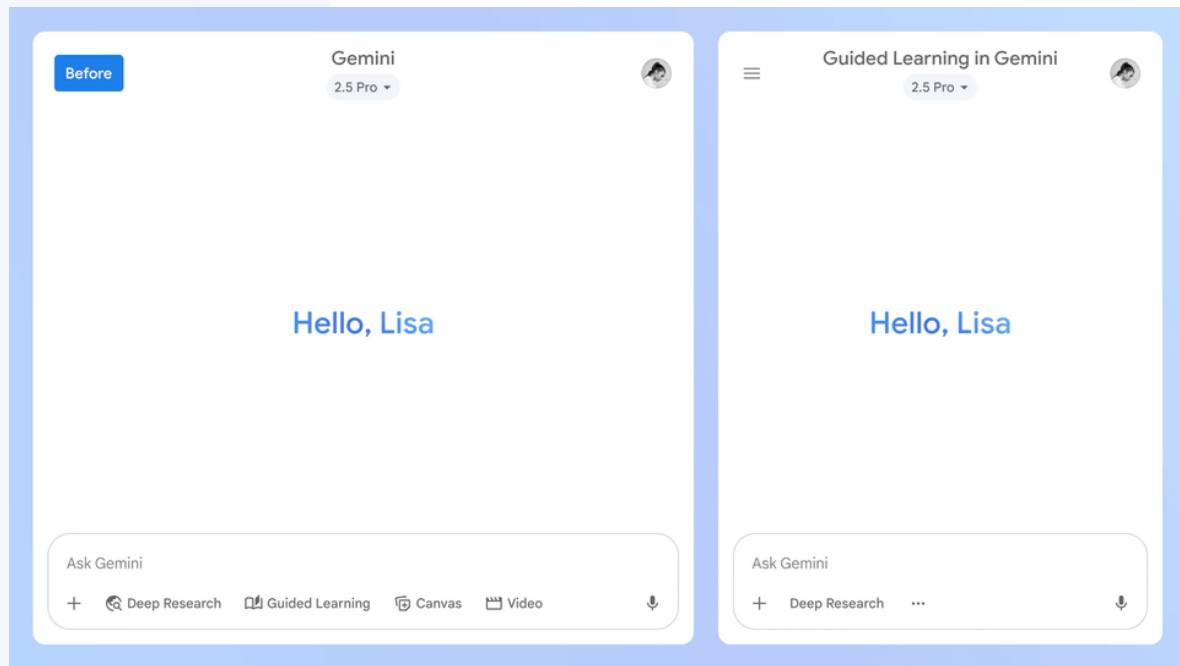
Use case	Prompt	Great for
Planning	<u>Research examples of effective interdisciplinary teaching models in secondary education. Include a comparison of 2–3 approaches used in public schools and summarize their benefits, challenges, and implementation strategies.</u>	Planning cross-curricular units or collaborative teaching strategies
Assessment	Compare the following alternative grading systems: ungrading, mastery-based grading, and contract grading. Highlight research on outcomes, student engagement, and instructor workload.	Exploring modern assessment models with evidence
Instructional materials	<u>Research how graphic organizers support comprehension for multilingual learners. Include evidence-based examples across content areas and grade levels.</u>	Building a foundation for inclusive teaching materials
Differentiation	Research effective strategies for supporting students with executive function challenges in inclusive classrooms. Include tools, routines, and teacher-facing supports.	Creating supports that improve access and independence
Administrative tasks	What does recent research say about the impact of AI on K-12 school operations and teacher workload? Include trends, pilot programs, and leadership considerations.	Strategic planning and schoolwide decision-making
Research (meta research)	<u>Examine the body of research on the effectiveness of inquiry-based learning in science. Describe how research in this area has evolved, identify common study designs and their limitations, and summarize conclusions from recent meta-analysis or systematic reviews regarding the overall findings and their applicability.</u>	Gaining a deep, critical understanding of the evidence base for a specific topic, identifying research trends and gaps, and evaluating the robustness of research claims

Guided Learning

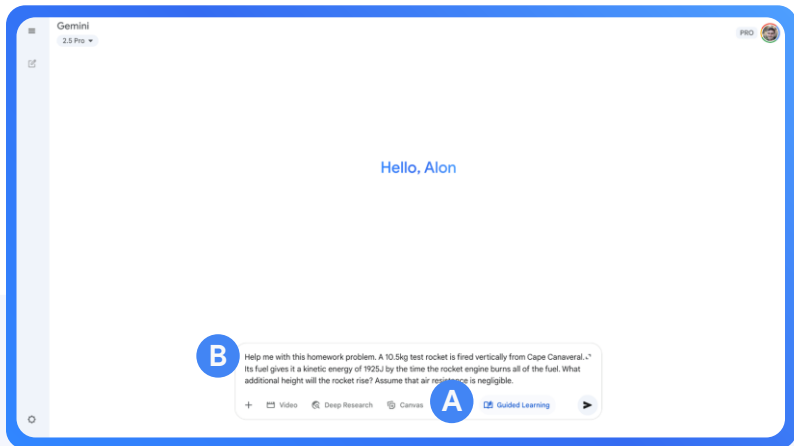
Go beyond answers and build a deep understanding

Guided Learning encourages participation through probing and open-ended questions that spark a discussion and provide an opportunity to dive deeper into a subject. The aim is to help you build a deep understanding instead of just getting answers.

Guided Learning breaks down problems step-by-step and adapts explanations to your needs – all to help you build knowledge and skills.

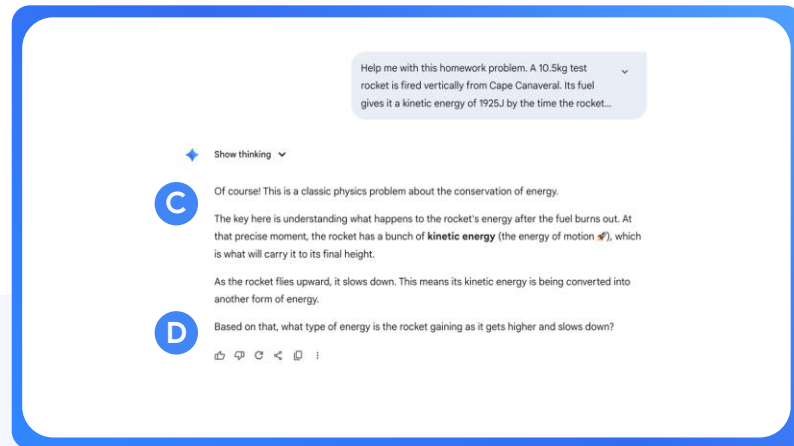


How Guided Learning works



A Select “**Guided Learning**” from the options at the bottom of the chat box (or “**Learning**” if on a mobile device).

B Enter your prompt in the Gemini chat box.



C Instead of giving you a quick answer, Gemini starts explaining foundational concepts related to the prompt.

D Gemini asks a probing question back to the user, inviting them into the discussion and encouraging them to think critically.

Student use

Learn deeply instead of just getting quick understanding

Help me with this homework problem. A 10.5 kg test rocket is fired vertically from Cape Canaveral. Its fuel gives it a kinetic energy of 1925 J by the time the rocket engine burns all of the fuel. What additional height will the rocket rise? Assume that air resistance is negligible.

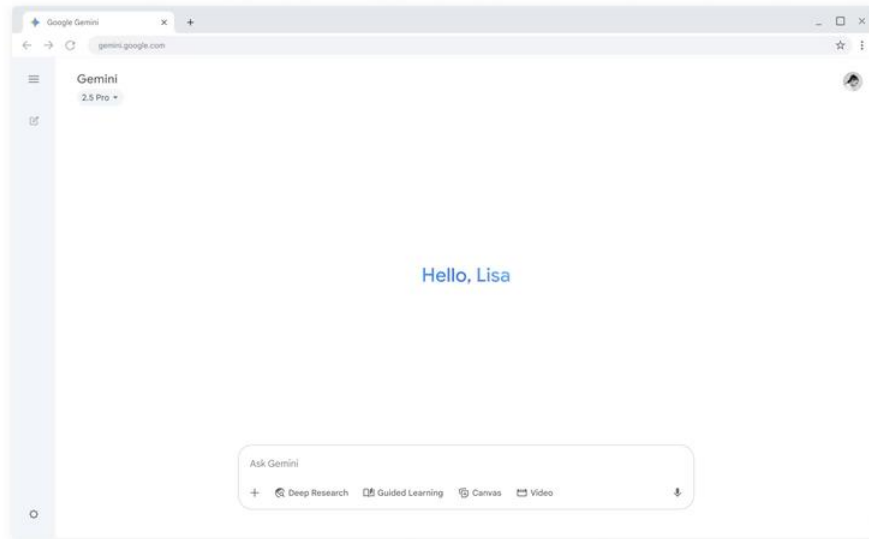


Tip

Guided Learning is already built to help you develop a deep understanding instead of just providing an answer so it can help you explore a topic well even when prompting best practices aren't followed.

Great for

- Studying for exams
- Getting homework help



Use case	Prompt	Tip
Homework help	<p><u>I'm not sure how to set up the equation for this homework problem:</u></p> <p><u>276 students went on a field trip. Four buses were filled and 12 students traveled in cars. How many students were in each bus?</u></p>	You can take a photo of your assignment and upload it to Gemini along with your prompt.
Coding help	<p><u>I'm having trouble figuring out why my code isn't working. Can you help me understand what's wrong with it? [Insert code snippet]</u></p>	Gemini will walk you through debugging your code step-by-step, but if you have questions about specific parts of the code, you can ask Gemini to home in on that as well.
Learning about a new topic before drafting a paper	<p><u>How do bees support our food systems?</u></p>	Once you've studied up with Guided Learning, use Deep Research in Gemini to pull together insights and perspectives from across the web.
Exam prep	<p><u>I'm a freshman preparing for an exam in my Intro to Biology class. Can you help me learn about enzymes?</u></p>	Once you're feeling ready to test your knowledge, ask Gemini to create a personalized quiz for you.
Explore a curiosity	<p><u>I'm passionate about photography and want to learn more.</u></p>	Upload some of your favorite photos and ask Gemini to analyze them for you.

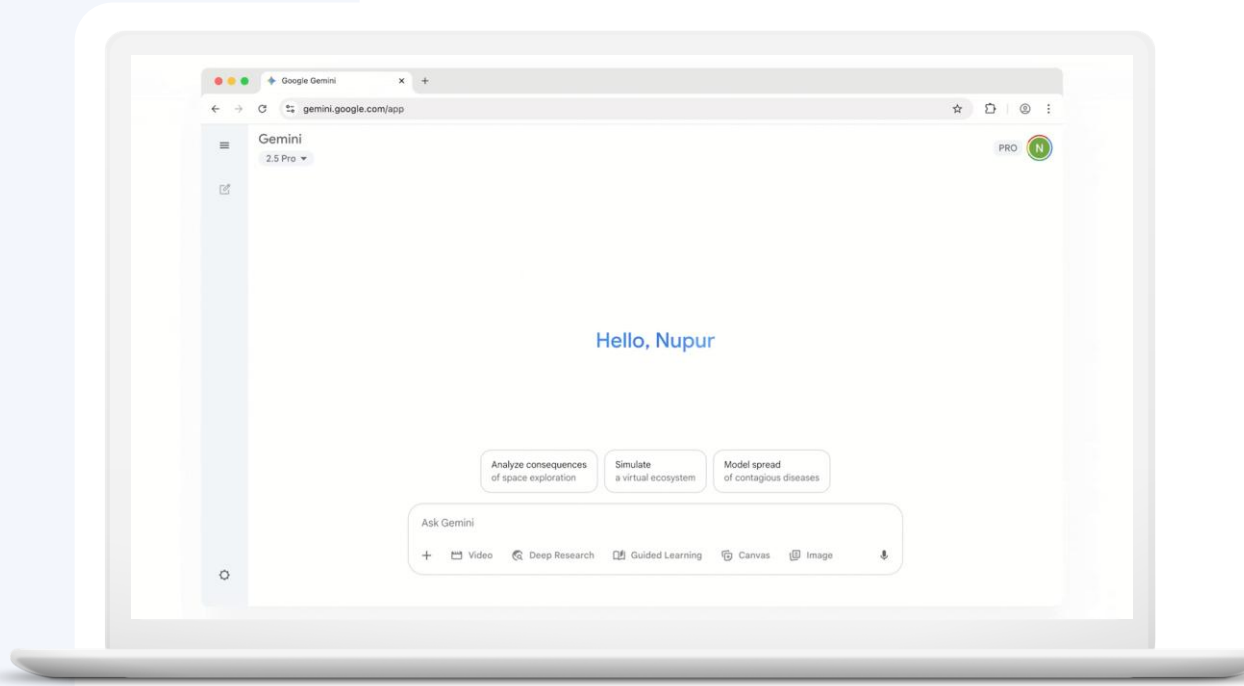
Gemini Canvas

Create, code, and collaborate with Gemini in one space

Gemini Canvas is an interactive workspace for turning your ideas into polished creations. Transform your prompts into an editable canvas for creating lessons, coding projects, or building resources – and evolve your thinking visually in real time. Your content instantly updates and you get AI-powered suggestions to level up your work. This space is designed for rapid iteration, allowing you to easily refine and develop your concepts.

Use Canvas to:

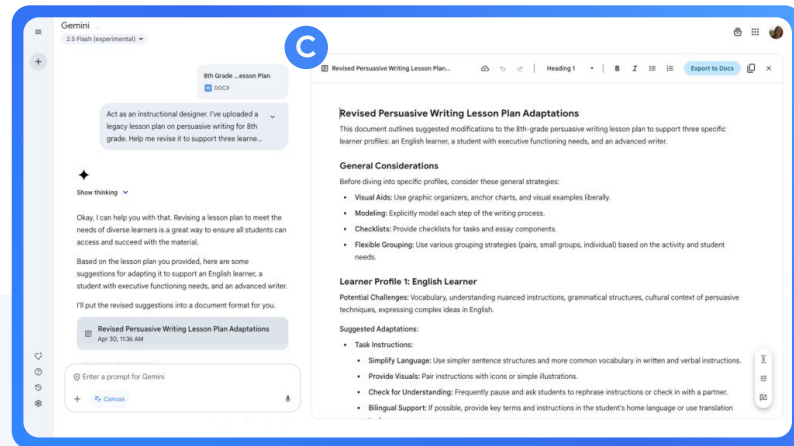
- Draft editable documents, lesson plans, or study guides in real time
- Build and test working code that can be exported into Google Colab
- Edit copy tone, length, formatting, and content
- Create interactive quizzes and flashcards
- Export to Docs, then copy, or present what you've built instantly



How Gemini Canvas works



- A** Enter your prompt in the Gemini chat box.
- B** Select “**Canvas**” from the options at the bottom of the chat box.



- C** Gemini opens Canvas in a pane separate from your chat. The Canvas output is fully editable – you can update it yourself or ask Gemini to refine and revise the content. When you're ready, just click “**Export to Docs**” to continue working or share.

Revise an old lesson for multiple learners

Prompt

Act as an instructional designer. I've uploaded a legacy lesson plan on persuasive writing for 8th grade students. Help me revise it to support three learner profiles: an English learner, a student with executive functioning needs, and an advanced writer. Suggest changes to the task instructions, pacing, and support strategies for each learner.



Tip

Ask Gemini to generate a side-by-side chart comparing how each version supports different learners, or include Universal Design for Learning (UDL)-aligned scaffolds.

Great for

- Differentiating without re-creating from scratch
- Making learning materials more accessible

The screenshot shows the Gemini AI interface. On the left, a chat window displays a prompt: "Act as an instructional designer. I've uploaded a legacy lesson plan on persuasive writing for 8th grade. Help me revise it to support three learner profiles: an English learner, a student with executive functioning needs, and an advanced writer. Suggest changes to the task instructions, pacing, and support strategies for each learner." Below the prompt, Gemini's response is visible, starting with "Okay, I can help you with that. Revising a lesson plan to meet the needs of diverse learners is a great way to ensure all students can access and succeed with the material." A document titled "Revised Persuasive Writing Lesson Plan Adaptations" is shown, dated "Apr 30, 11:36 AM". The document content includes:

- Revised Persuasive Writing Lesson Plan Adaptations**
This document outlines suggested modifications to the 8th-grade persuasive writing lesson plan to support three specific learner profiles: an English learner, a student with executive functioning needs, and an advanced writer.
- General Considerations**
Before diving into specific profiles, consider these general strategies:
 - **Visual Aids:** Use graphic organizers, anchor charts, and visual examples liberally.
 - **Modeling:** Explicitly model each step of the writing process.
 - **Checklists:** Provide checklists for tasks and essay components.
 - **Flexible Grouping:** Use various grouping strategies (pairs, small groups, individual) based on the activity and student needs.
- Learner Profile 1: English Learner**
Potential Challenges: Vocabulary, understanding nuanced instructions, grammatical structures, cultural context of persuasive techniques, expressing complex ideas in English.
Suggested Adaptations:
 - **Task Instructions:**
 - **Simplify Language:** Use simpler sentence structures and more common vocabulary in written and verbal instructions.
 - **Provide Visuals:** Pair instructions with icons or simple illustrations.
 - **Check for Understanding:** Frequently pause and ask students to rephrase instructions or check in with a partner.
 - **Bilingual Support:** If possible, provide key terms and instructions in the student's home language or use translation

Coding in Canvas

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.

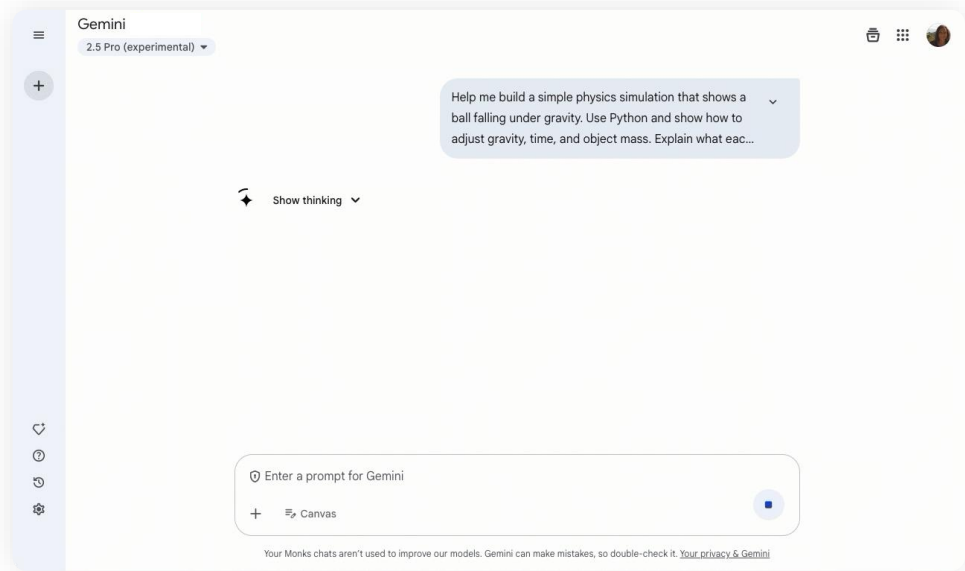


Tip

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

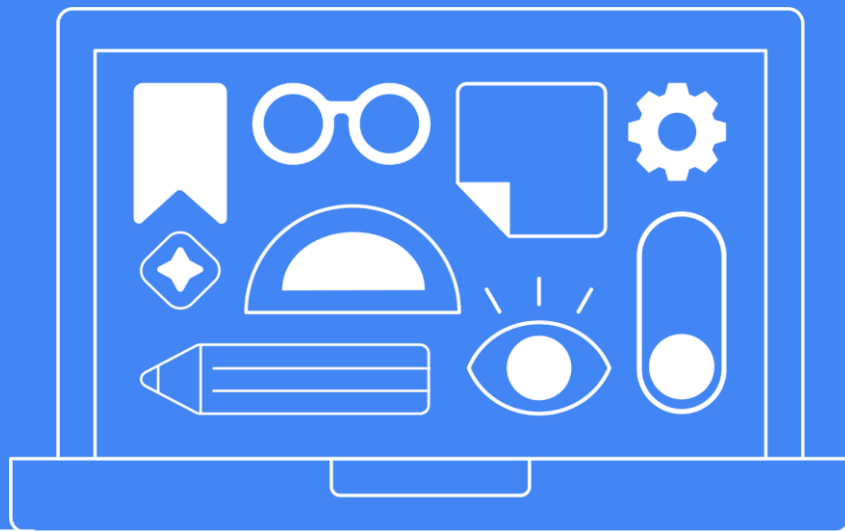
- STEM project-based learning
- Building conceptual understanding of physics through code
- Learning how to modify and explain real-world simulations



Use case	Prompt	Tip
Planning	Act as a curriculum designer. Create a week-long unit plan on the US Constitution for 8th grade students. Focus on civic understanding and include daily objectives, learning activities, and formative checks. Format the unit using section headers for each day.	Use heading styles and bullet points to organize by day. Ask Gemini to change tone if you're prepping for students, as opposed to staff.
Assessment	Act as an assessment designer. Create a performance task for high school environmental science students focused on sustainability. Include a student-facing prompt, rubric criteria, and a peer/self-assessment checklist. Organize the content into clearly labeled sections.	Ask Gemini to suggest edits or condense instructions for clarity. Use formatting tools to separate teacher and student content.
Differentiation	Act as a learning specialist. Develop a flexible algebra support plan for a 9th grade student needing extra help with linear equations. Include learning goals, scaffolded tasks, reflection prompts, and checkpoints. Format it as a weekly plan with bolded key actions.	Use formatting to emphasize key actions. Ask Gemini to suggest edits or simplify language for accessibility.
Research	Act as an educational research assistant. I need to understand the latest research on the impact of project-based learning on student engagement in middle school. Please provide a concise summary of key findings from the last 3 to 5 years, outline 2 to 3 evidence-based strategies related to this topic that I can consider for my classroom/school, and list potential challenges or considerations for implementation. Organize this information with clear headings for each section.	Be specific about the student age group or educational context if relevant. Ask Gemini to focus on actionable strategies or practical takeaways. You can also ask for a list of keywords to find more in-depth research articles.
Administrative tasks	Act as a professional development coordinator. Design a 60-minute professional development session for educators or faculty introducing Gemini. Include session objectives, timed agenda sections, interactive moments, and a closing reflection. Use headings for each segment.	Use headings to organize each section of the session. Ask Gemini to rephrase content for different audiences (for example, coaches vs. teachers).

Gemini: Gems

Gems are customized versions of Gemini that you can personalize to be experts on any topic.



Personalize Gemini with Gems

Custom AI experts for
any topic

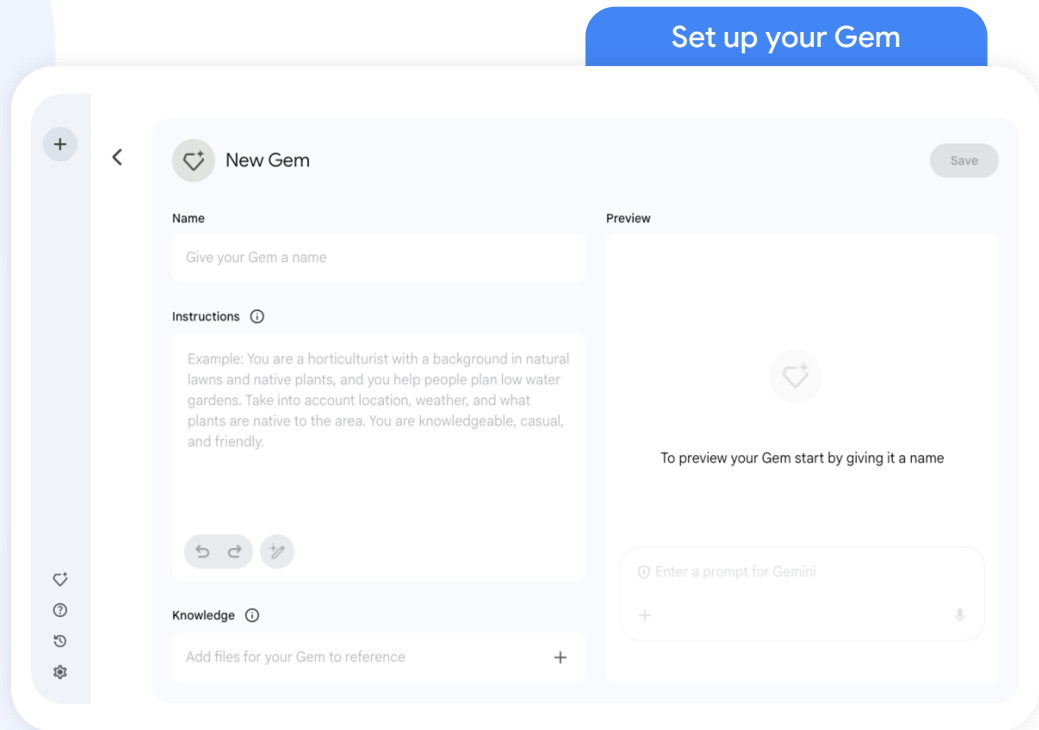
A Gem is a customized version of Gemini that you can create with specific instructions to act like an expert on a certain topic or follow particular guidelines every time you use it.

You can get started with Google's premade Gems like Learning coach, Career guide, and Brainstormer.

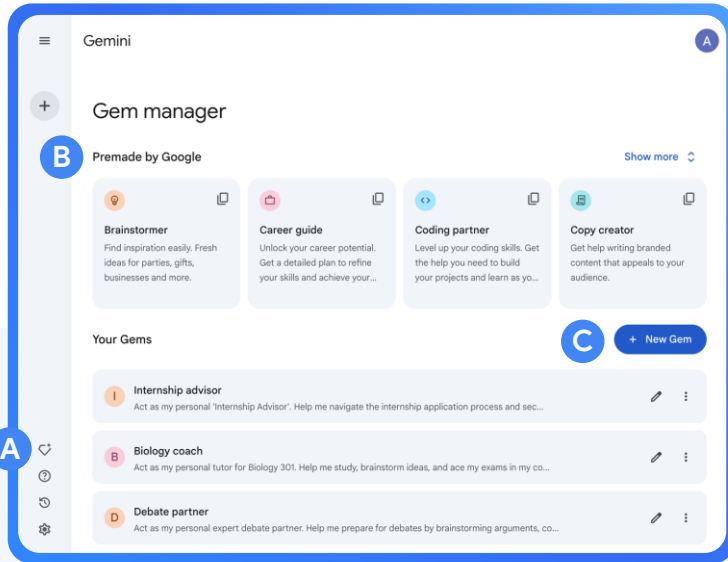


- Think of creating a Gem as doing a detailed PARTS-level setup once. You define its expert persona, its purpose, the rules it follows, and any crucial context upfront.
- This “best practice” foundation is then saved within your Gem.

With the instructions and knowledge provided up front, Gems can provide better results with less time spent prompting, while also allowing your interactions to be more conversational.



Leverage premade Gems or create your own



A

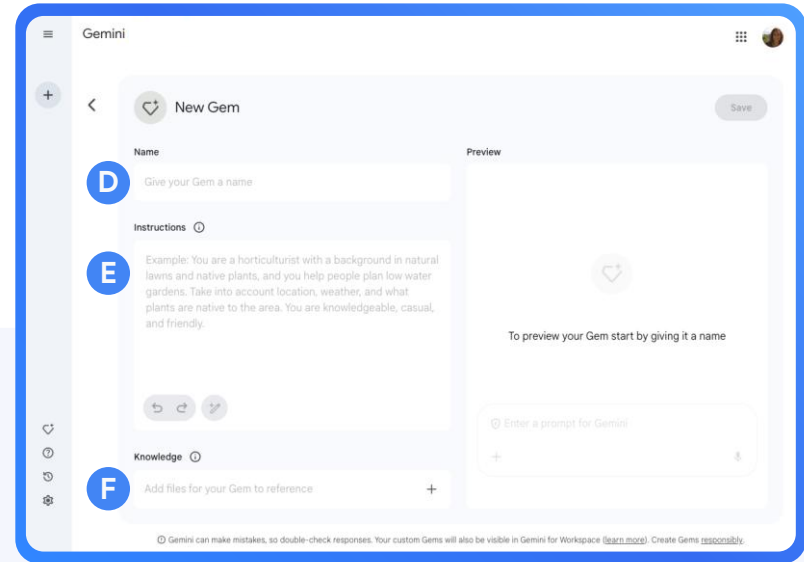
Gem manager is the one-stop shop for all your Gems.

B

Get started easily with premade Gems by Google.

C

Create a new Gem built to tackle your specific needs.



D

Give your new, personalized Gem a name.

E

Provide detailed instructions to make your Gem work for you.

F

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

Deepen understanding with Learning coach

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

Prepare for a job interview with confidence

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.

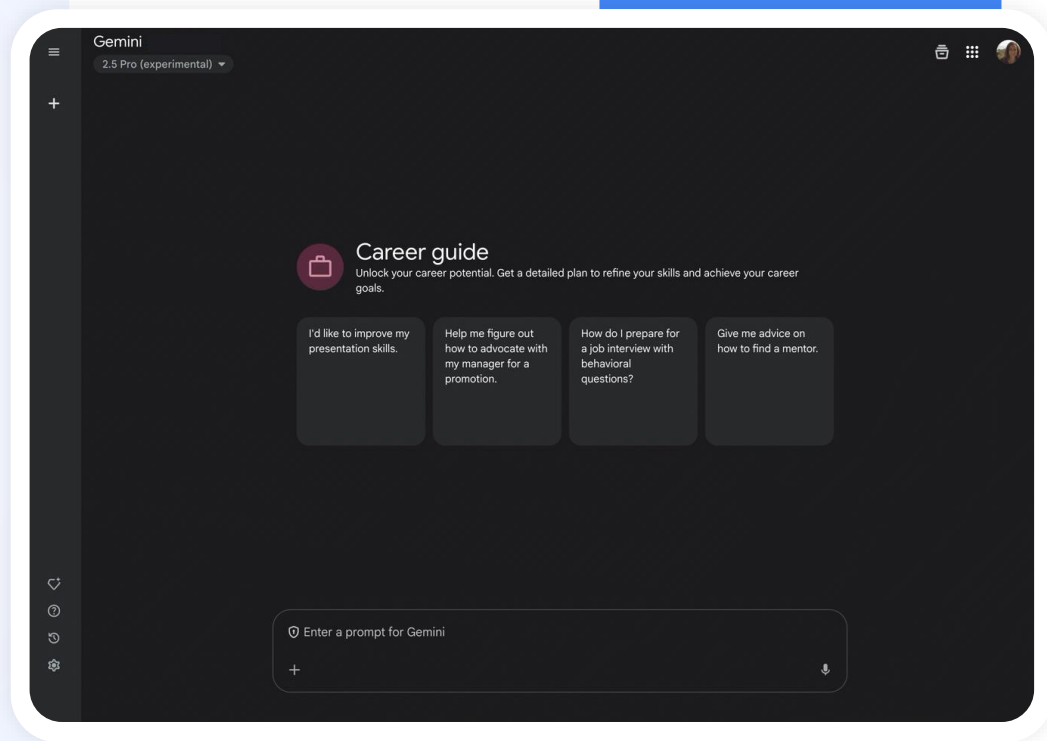
✦ Tip

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



Planning

Name

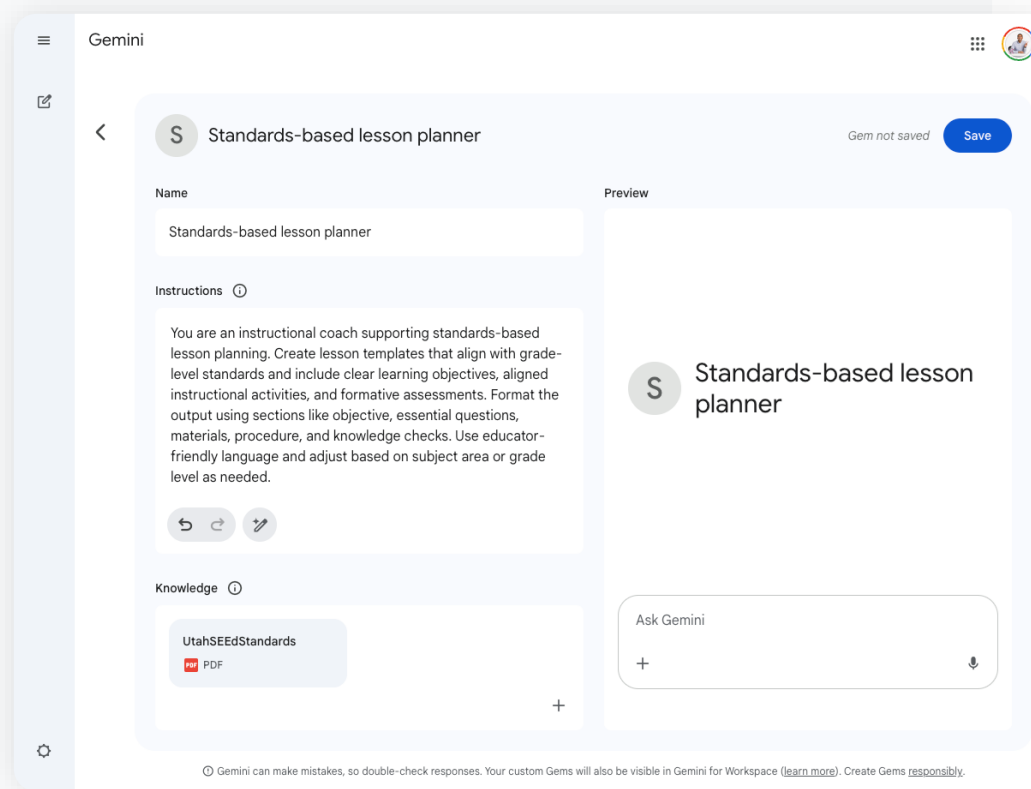
Standards-based lesson planner

Instructions

You are an instructional coach supporting standards-based lesson planning. Create lesson templates that align with grade-level standards and include clear learning objectives, aligned instructional activities, and formative assessments. Format the output using sections like objective, essential questions, materials, procedure, and knowledge checks. Use educator-friendly language and adjust based on subject area or grade level as needed.

Add files for your Gem to reference

- State or district standards
- Examples of previously approved or aligned lesson plans
- Instructional frameworks used at the school (such as gradual release, Universal Design for Learning (UDL), or the 5E model)
- Coaching notes on lesson plan feedback



The screenshot shows the Gemini interface for a custom Gem named "Standards-based lesson planner". The interface is divided into several sections:

- Name:** "Standards-based lesson planner"
- Instructions:** "You are an instructional coach supporting standards-based lesson planning. Create lesson templates that align with grade-level standards and include clear learning objectives, aligned instructional activities, and formative assessments. Format the output using sections like objective, essential questions, materials, procedure, and knowledge checks. Use educator-friendly language and adjust based on subject area or grade level as needed." Below the instructions are icons for undo, redo, and edit.
- Knowledge:** A file named "UtahSEEdStandards.pdf" is attached to the Gem.
- Preview:** A preview of the Gem's output, showing the title "Standards-based lesson planner" and a large "S" icon.
- Ask Gemini:** A text input field with a plus sign and a microphone icon for voice input.

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."

Instructional materials

Name

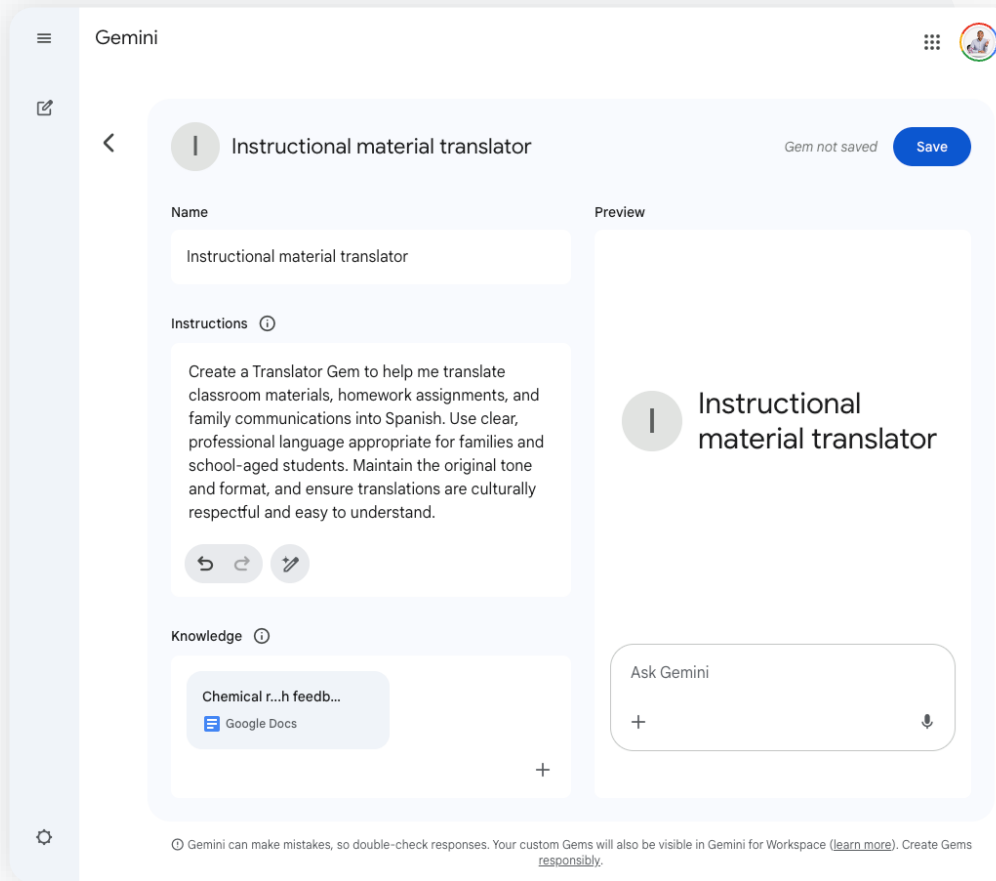
Instructional material translator

Instructions

Create a Translator Gem to help me translate classroom materials, homework assignments, and family communications into Spanish. Use clear, professional language appropriate for families and school-aged students. Maintain the original tone and format, and ensure translations are culturally respectful and easy to understand.

Add files for your Gem to reference

- Grading or feedback language samples
- School/department communication templates
- Syllabus or course overview
- Assignment instructions or templates



The screenshot shows the Gemini interface for creating a custom Gem. The Gem is named "Instructional material translator" and has the following instructions: "Create a Translator Gem to help me translate classroom materials, homework assignments, and family communications into Spanish. Use clear, professional language appropriate for families and school-aged students. Maintain the original tone and format, and ensure translations are culturally respectful and easy to understand." A knowledge source is added: "Chemical r...h feedb..." from Google Docs. The interface includes a "Save" button, a "Preview" section showing the Gem's name, and an "Ask Gemini" input field. A footer note states: "© Gemini can make mistakes, so double-check responses. Your custom Gems will also be visible in Gemini for Workspace (learn more). Create Gems responsibly."

Name

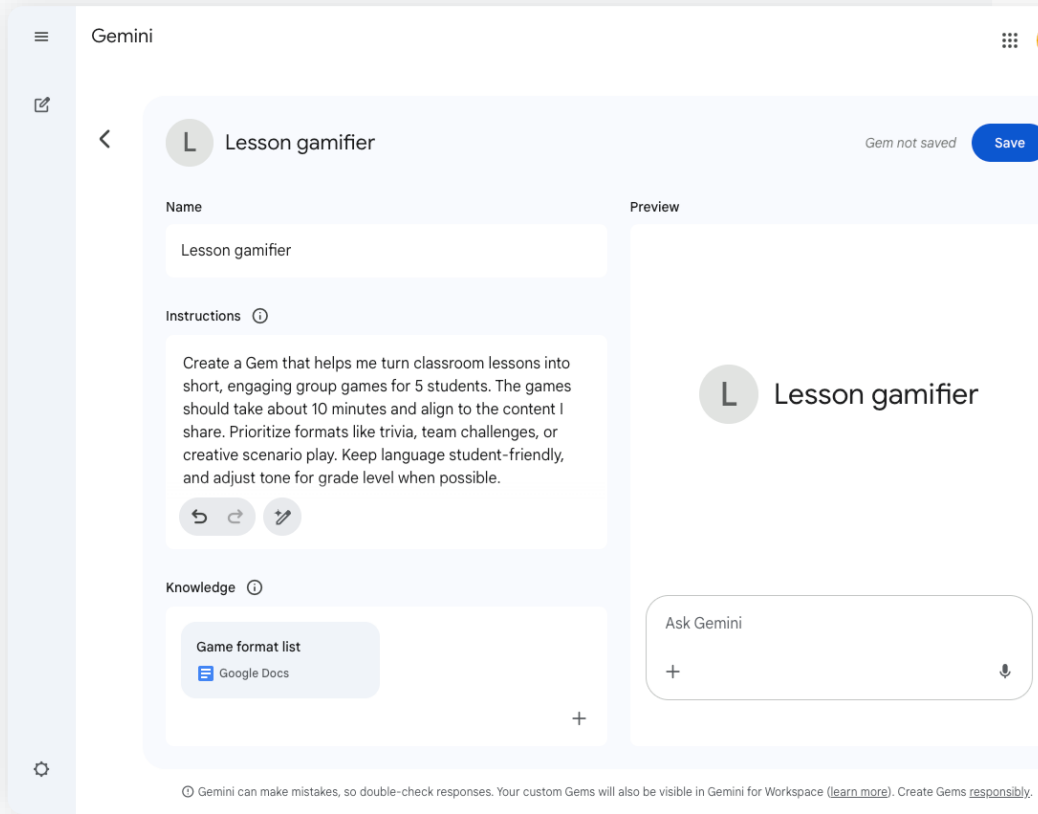
Lesson gamifier

Instructions

Create a Gem that helps me turn classroom lessons into short, engaging group games for 5 students. The games should take about 10 minutes and align with the content I share. Prioritize formats like trivia, team challenges, or creative scenario play. Keep language student-friendly, and adjust tone for grade level when possible.

Add files for your Gem to reference

- Topics students are currently exploring/learning
- Class discussion questions or exit tickets
- Game formats you've used or liked before



The screenshot shows the Gemini interface for creating a Gem. The Gem is named "Lesson gamifier" and has a blue "Save" button. The instructions are: "Create a Gem that helps me turn classroom lessons into short, engaging group games for 5 students. The games should take about 10 minutes and align with the content I share. Prioritize formats like trivia, team challenges, or creative scenario play. Keep language student-friendly, and adjust tone for grade level when possible." The Knowledge section includes a "Game format list" from Google Docs. A preview of the Gem is shown on the right, displaying the name "Lesson gamifier" and a search bar labeled "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.

Assessment

Name

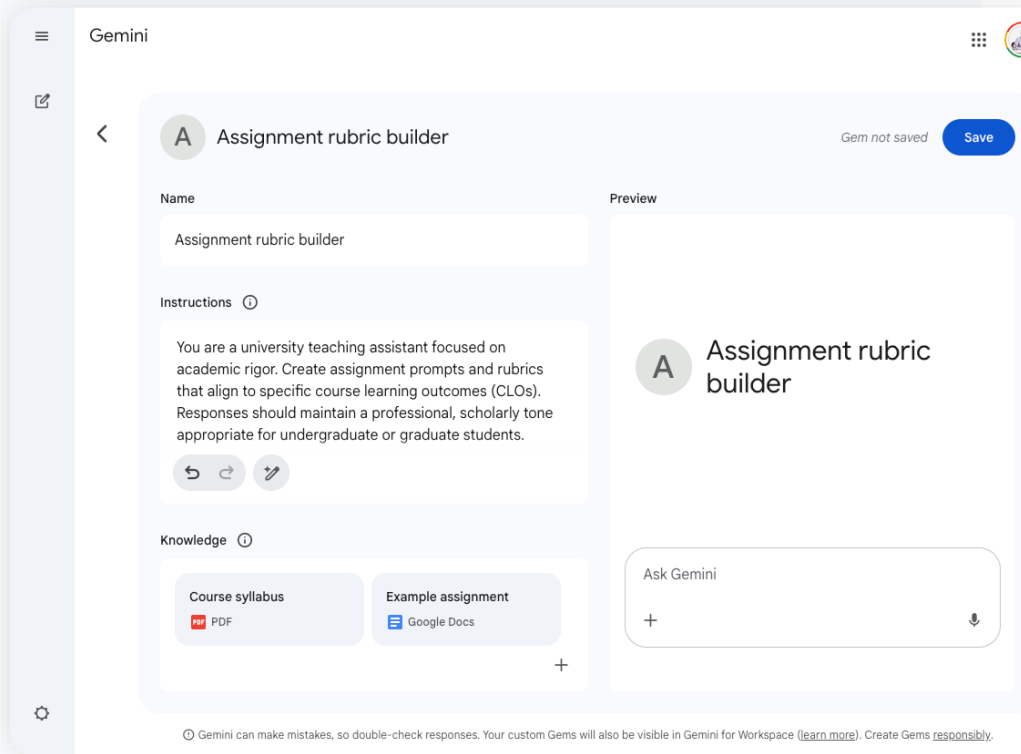
Assignment rubric builder

Instructions

You are a university teaching assistant focused on academic rigor. Create assignment prompts and rubrics that align with specific course learning outcomes (CLOs). Responses should maintain a professional, scholarly tone appropriate for undergraduate or graduate students.

Add files for your Gem to reference

- Course syllabus and CLOs document
- Example of previously approved rubric
- Institutional grading policy or assessment guidelines
- Examples of assignments common to the course (optional for deeper alignment)



The screenshot shows the Gemini interface for creating a custom Gem. The Gem is named "Assignment rubric builder" and is currently in a draft state, indicated by "Gem not saved" and a "Save" button. The interface is divided into three main sections: Name, Instructions, and Knowledge. The Name section contains the text "Assignment rubric builder". The Instructions section contains the text: "You are a university teaching assistant focused on academic rigor. Create assignment prompts and rubrics that align to specific course learning outcomes (CLOs). Responses should maintain a professional, scholarly tone appropriate for undergraduate or graduate students." Below the instructions are icons for undo, redo, and edit. The Knowledge section contains two references: "Course syllabus" (PDF) and "Example assignment" (Google Docs). A "Preview" pane on the right shows a preview of the Gem's name and instructions. At the bottom, there is a "Ask Gemini" input field and 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."


Administrative tasks

Name

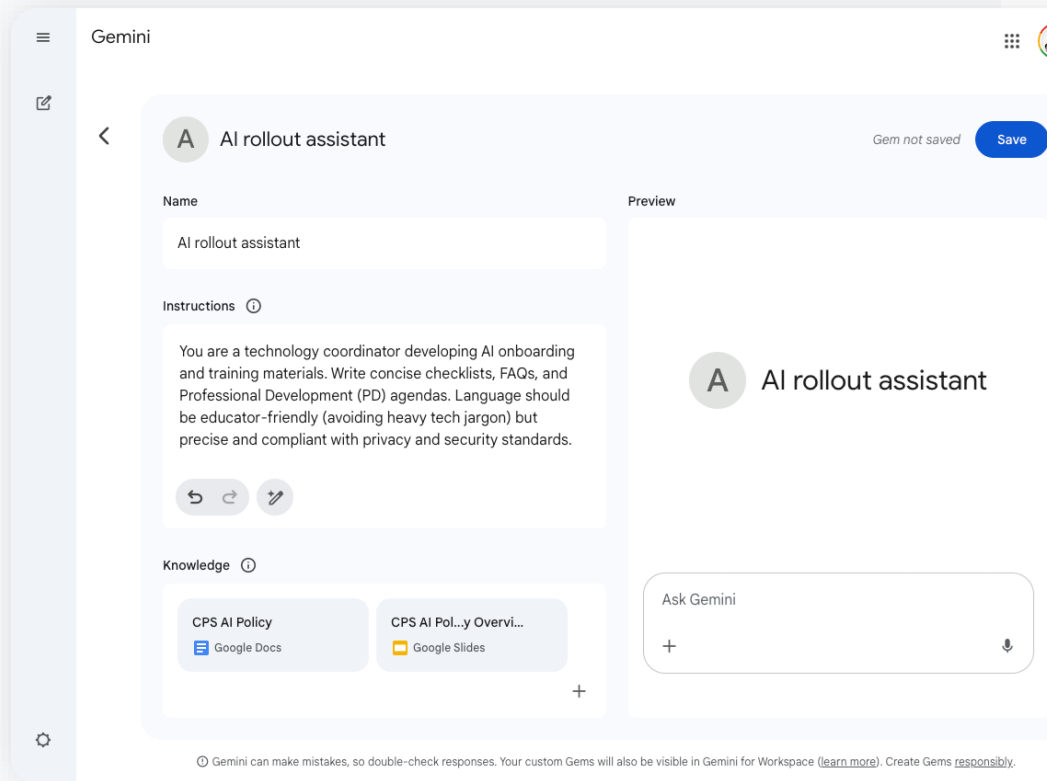
AI rollout
assistant

Instructions

You are a technology coordinator developing AI onboarding and training materials. Write concise checklists, an FAQ, and Professional Development (PD) agendas. Language should be educator-friendly (avoiding heavy tech jargon) but precise and compliant with privacy and security standards.

 Add files for your Gem to reference

- This toolkit!
- District or institution AI policy
- Example PD agendas or onboarding slide decks
- Communication templates used in past tech rollouts



The screenshot displays the Gemini AI interface for a custom Gem. The Gem is named "AI rollout assistant" and is currently unsaved. The interface is divided into three main sections: Name, Instructions, and Knowledge. The Name section contains the text "AI rollout assistant". The Instructions section contains the text: "You are a technology coordinator developing AI onboarding and training materials. Write concise checklists, FAQs, and Professional Development (PD) agendas. Language should be educator-friendly (avoiding heavy tech jargon) but precise and compliant with privacy and security standards." The Knowledge section contains two references: "CPS AI Policy" (Google Docs) and "CPS AI Pol...y Overvi..." (Google Slides). A "Preview" section on the right shows a simplified view of the Gem's name and instructions. At the bottom, 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."

Student use

Name

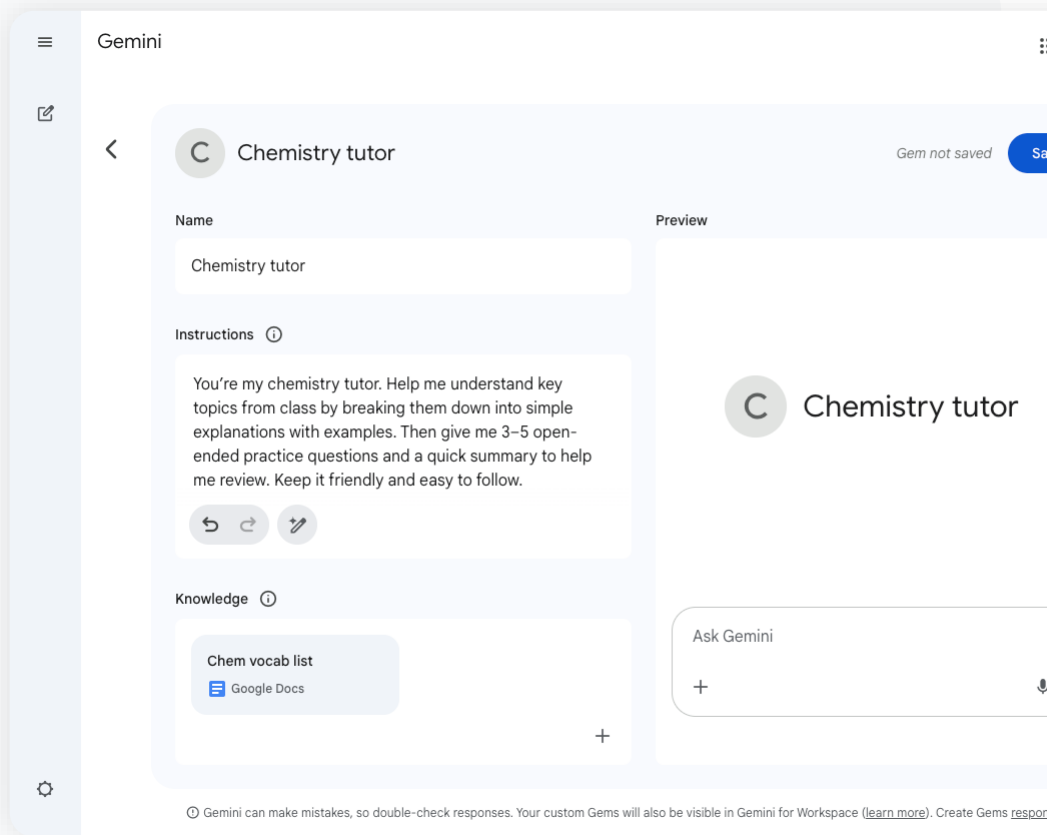
Chemistry tutor

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 to 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 for a custom Gem named "Chemistry tutor". The interface is divided into several sections:

- Name:** A text input field containing "Chemistry tutor".
- Instructions:** A text area containing the instruction: "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 text are icons for undo, redo, and edit.
- Knowledge:** A section for adding reference files, currently showing a "Chem vocab list" from Google Docs.
- Preview:** A preview window showing the Gem's name and a large "C" icon.
- Input:** A text input field with the placeholder "Ask Gemini" and a plus sign to add more context.

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 respon..."

Communication

Name

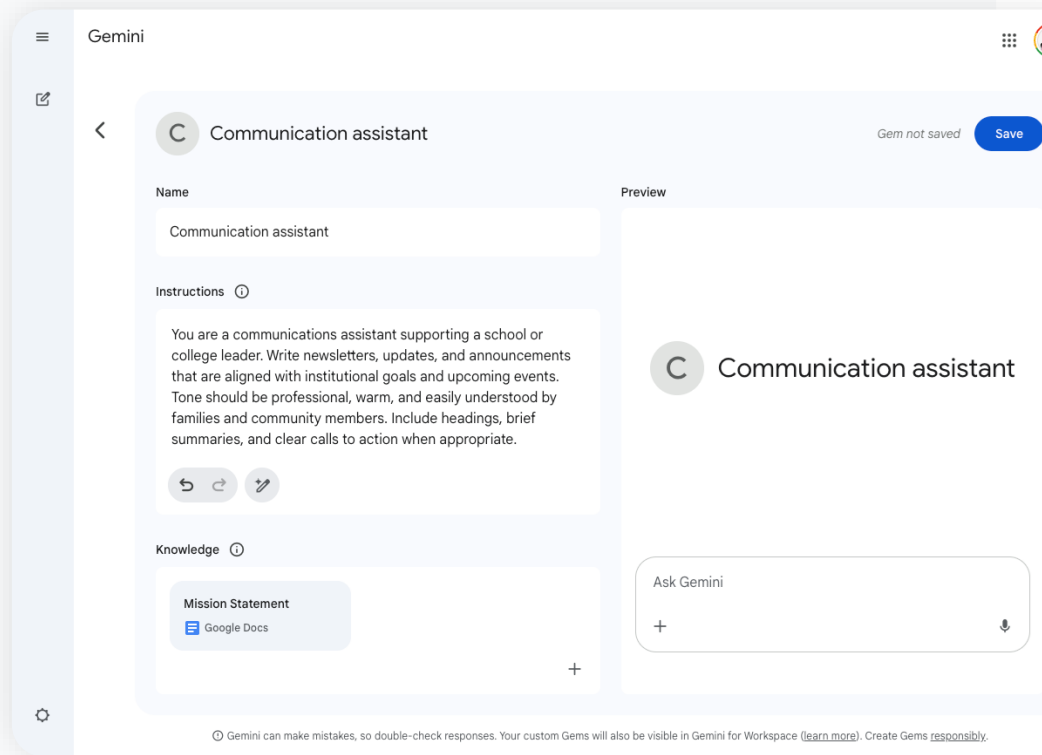
Communication
assistant

Instructions

You are a communications assistant supporting a school. Write newsletters, updates, and announcements that are aligned with institutional goals and upcoming events. Tone should be professional, warm, and easily understood by families and community members. Include headings, brief summaries, and clear calls to action when appropriate.

Add files for your Gem to reference

- Mission and vision statement
- Calendar of key events and deadlines
- Sample past newsletters or family communications
- Community engagement goals or strategic plan excerpts

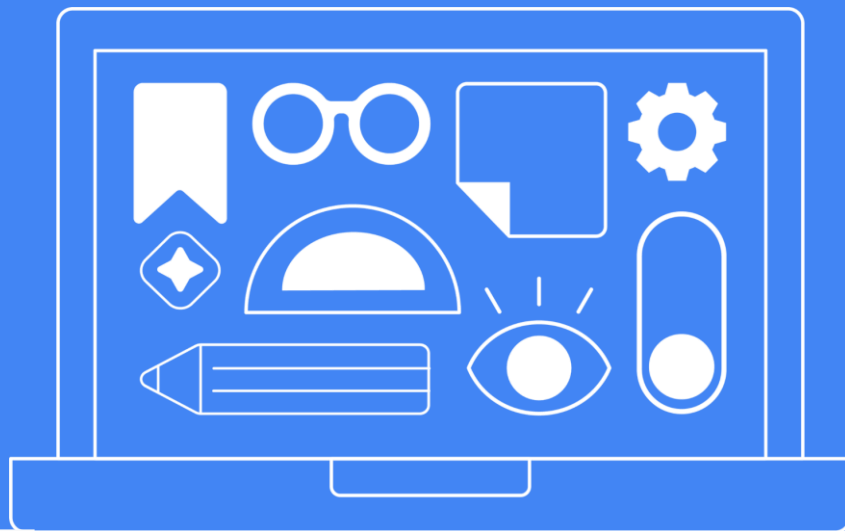


The screenshot displays the Gemini interface for a custom Gem named "Communication assistant". The interface is divided into several sections:

- Name:** "Communication assistant" (with a "Save" button and "Gem not saved" indicator).
- Instructions:** A text box containing the prompt: "You are a communications assistant supporting a school or college leader. Write newsletters, updates, and announcements that are aligned with institutional goals and upcoming events. Tone should be professional, warm, and easily understood by families and community members. Include headings, brief summaries, and clear calls to action when appropriate." Below the text are icons for undo, redo, and edit.
- Knowledge:** A section titled "Mission Statement" with a "Google Docs" icon and a plus sign to add more files.
- Preview:** A preview window showing the Gem's name and a "Ask Gemini" input field with a plus sign and a microphone icon.
- Footer:** 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."

Google NotebookLM

Understand anything with NotebookLM,
your personalized AI expert on the
information that matters most to you.



Grounding our use case examples

Using a hypothetical 8-week unit on foundational physics concepts



While we use a physics unit to demonstrate an instructional workflow, **NotebookLM is subject-agnostic**. Simply swap in your own materials to get started.

Students can also upload their own class notes for these weeks into their copies of this notebook.

All of the following examples assume the sources are already loaded.

The screenshot displays the NotebookLM interface for a notebook titled "Foundations of Physics: An 8-Week Unit Plan". The interface is divided into three main sections: Sources, Chat, and Studio.

- Sources:** A list of 16 sources is shown, including "10th Grade Physics - Student La...", "8-Week Physics Unit Plan.pdf", "HS-PS2-1 Motion and Stability: F...", "Honors Physics Matter and Energy", "KINEMATICS | Physics Animation", "Science Raps: GCSE Physics - E...", "Thermal Physics", "Week 1 lessons_ Introduction to ...", "Week 2_ Dynamics - Forces and ...", "Week 3_ Work, Energy, and Pow...", "Week 4_ Momentum and Collisio...", and "Week 5_ Thermal Physics, Mat...". Each source has a checkmark indicating it is selected.
- Chat:** The main content area displays the title "Foundations of Physics: An 8-Week Unit Plan" and a brain icon. Below the title, it says "16 sources" and provides a text overview: "This text outlines an 8-week physics unit plan designed for 10th-grade students, providing a structured approach to teaching foundational physics concepts. Each week is dedicated to a specific theme, beginning with kinematics (describing motion) and progressing through dynamics (forces), work, energy, and power (energy transfer), and momentum and collisions (interactions). The plan also covers thermal physics (heat, waves, light and optics, and introduces electricity and magnetism. Suggested lesson topics and relevant formulas are included for each week, offering a comprehensive guide for educators to cover these core areas of physics." Below the text are buttons for "Save to note", "Add note", "Audio Overview", and "Mind Map". A text input field contains the prompt "How do foundational physics concepts describe and explain the phy..." and a "16 sources" indicator.
- Studio:** The right-hand panel shows the "Studio" view. It includes an "Audio Overview" section with a "Deep Dive conversation" button (Two hosts) and "Customize" and "Generate" buttons. Below this is a "Notes" section with an "Add note" button and buttons for "Study guide", "Briefing doc", "FAQ", and "Timeline". A note icon and text state: "Saved notes will appear here. Save a chat message to create a new note, or click Add note above."

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

Sequence the unit lessons

Prompt

What concepts introduced in Week 7 (Light & Optics) should be reviewed or reinforced to help students better understand electromagnetic forces in Week 8 (Electricity & Magnetism)?



Tip

Follow up with: "Create a short review activity I can use before starting Week 8."



Great for

Scaffolding conceptual transitions between topics and preparing students for deeper understanding before starting a new unit section.

Lab guide creation

Prompt

Create a student lab guide based on Week 7's lesson on light refraction. Include a clear objective, a list of materials, step-by-step instructions for observing refraction through different media, space for student observations, and 2 to 3 reflection questions. Keep the tone student-friendly for high school learners.

Tip

After generating the lab guide, click “**Save to note**” to store it in the Notes panel – perfect for easy access, reusing, or exporting to Docs for edits or lab partner collaboration.

Great for

Quickly creating structured, student-ready lab guides directly from your unit materials without starting from scratch.

The screenshot displays the NotebookLM interface for a unit plan titled "Foundations of Physics: An 8-Week Unit Plan". The interface is divided into three main sections: Sources, Chat, and Studio.

- Sources:** A list of 16 sources is shown, all of which are checked. The sources include:
 - 10th Grade Physics - Student La...
 - 8-Week Physics Unit Plan.pdf
 - HS-PS2-1 Motion and Stability: F...
 - Honors Physics Matter and Energy
 - KINEMATICS | Physics Animation
 - Science Raps: GCSE Physics - E...
 - Thermal Physics
 - Week 1 lessons_ Introduction to ...
 - Week 2_ Dynamics - Forces and ...
 - Week 3_ Work, Energy, and Pow...
 - Week 4_ Momentum and Collisio...
 - Week 5_ Thermal Physics Unit
- Chat:** A chat window shows a user prompt: "Create a student lab guide based on Week 7's lesson on light refraction. Include a clear objective, a list of materials, step-by-step instructions for observing refraction through different media, space for student observations, and 2-3 reflection questions. Keep the tone student-friendly for high school learners." The AI response is: "Okay, here is a student lab guide for Week 7's lesson on light refraction, based on the provided sources." Below the response is a generated lab guide titled "Lab 7.3: Observing Light Refraction". The lab guide includes fields for Name, Class, and Date, followed by an introduction: "Welcome to the fascinating world of optics! This lab is about observing how light behaves when it travels from one transparent material into another. This phenomenon is called **refraction**, and it's caused by the **change in the speed of light** as it moves between different media. We'll explore how this bending..." At the bottom of the chat, there is a text input field with "Start typing..." and a search bar with "What are the two types of mass?" and "List three common forms of..."
- Studio:** The Studio panel shows an "Audio Overview" section with a "Deep Dive conversation" by two hosts, a "Customize" button, and a "Generate" button. Below that is a "Notes" section with an "Add note" button and buttons for "Study guide", "Briefing doc", "FAQ", and "Timeline". A note titled "Light Refraction Lab Guide" is visible, with the text: "Here is a student lab guide based on the Week 7 lesson on light refraction, drawing on the information..."

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

Building knowledge checks

Prompt

Using Week 7, Lesson 3 on light refraction, create 2 open-ended questions that assess students' understanding of how light bends when moving between materials with different refractive indices. Make the questions appropriate for high school students and design them to spark critical thinking.



Tip

Once generated, click “Save to note” to store the questions for future quizzes or discussion prompts.



Great for

Checking for understanding and aligning assessment items directly with specific lesson content.

The screenshot displays the Google AI interface for a unit plan titled "Foundations of Physics: An 8-Week Unit Plan".

- Sources Panel:** Lists various physics topics such as "HS-PS2-1 Motion and Stability: F...", "Honors Physics Matter and Energy", "KINEMATICS | Physics Animation", "Science Raps: GCSE Physics - E...", "Thermal Physics", "Week 1 lessons_ introduction to ...", "Week 2_ Dynamics - Forces and ...", "Week 3_ Work, Energy, and Pow...", "Week 4_ Momentum and Collisio...", "Week 5_ Thermal Physics - Heat ...", "Week 6_ Waves - Properties and...", "Week 7_ Light and Optics (1).pdf" (checked), and "Week 8_ Electricity and Magneti...".
- Chat Panel:** Contains two prompts:
 - "Imagine a beam of light traveling from a medium like air into a block of glass. The sources state that light bends when it passes from one transparent medium to another. Glass has a higher index of refraction (and is more optically dense) than air. Based on the principles of refraction discussed in Lesson 7.3, including the relationship between the index of refraction and the speed of light in a medium, explain why the light ray bends towards the normal as it enters the glass. What would happen if the light then exited the glass back into the air?"
 - "Lesson 7.3 mentions everyday phenomena caused by refraction, such as the 'bent pencil' illusion or apparent depth. Consider the example of apparent depth: when you look down into a swimming pool, the bottom often appears shallower than it actually is. Using the concepts of refraction, the bending of light rays, and how light travels from the bottom of the pool (or an object on the bottom) to your eyes, explain why the bottom of the pool appears to be at a different depth than its true physical depth. You should reference the difference in optical density between water and air in your explanation."
- Studio Panel:** Includes an "Audio Overview" section with a "Deep Dive conversation" and a "Generate" button. Below it is a "Notes" section with an "Add note" button and pre-generated notes:
 - "Light Refraction Assessment Questions: Drawing on the information from Week 7, Lesson 3, here are two open-ended questions designed to..."
 - "Light Refraction Lab Guide: Here is a student lab guide based on the Week 7 lesson on light refraction, drawing on the information..."

Ideas for diverse learners

Prompt

Using Week 7, Lesson 3 on light refraction, create a differentiated choice board with 3 activity options tailored for emerging, on-level, and advanced learners. Provide vocabulary supports for all versions.



Tip

Use the draft to ask NotebookLM to tailor 1 activity per tier for varied learning needs (for example, multilingual learners, focus support, or advanced extensions).



Great for

Creating accessible, leveled activities that support diverse learners while staying aligned with core lesson goals.

The screenshot displays the NotebookLM interface for a unit plan titled "Foundations of Physics: An 8-Week Unit Plan". The interface is divided into three main sections: Sources, Chat, and Studio.

Sources: A list of documents is shown, with "Week 7_ Light and Optics (1).pdf" selected. Other sources include "HS-PS2-1 Motion and Stability: F...", "Honors Physics Matter and Energy", "KINEMATICS | Physics Animation", "Science Raps: GCSE Physics - E...", "Thermal Physics", "Week 1 lessons_ Introduction to ...", "Week 2_ Dynamics - Forces and ...", "Week 3_ Work, Energy, and Pow...", "Week 4_ Momentum and Collisio...", "Week 5_ Thermal Physics - Heat ...", "Week 6_ Waves - Properties and...", and "Week 8_ Electricity and Magnet...".

Chat: The chat window displays the generated content for the selected source. It includes the title "Refraction of Light Choice Board (Lesson 7.3)", instructions to choose one activity, and three differentiated activity options for Emerging Learners:

- Emerging Learners:**
 - Explanation of Refraction:** Refraction is when light bends as it goes from one clear material (like air) into another (like water) because the speed of light changes 1.
 - Key Vocabulary:** Refraction, Bend, Light, Material (like air, water), Speed, Normal (based on previous activity).
- Choose ONE Task Below:**
 - Option 1: Draw the Bent Pencil** Draw a picture of a pencil sitting in a glass of water. Show how the pencil looks like it is bent where it enters the water. Label the air, the water, and where the light from the pencil is bending. Use the word **Refraction** in your drawing or a sentence about it. (Connects to demonstration mentioned in source 8).
 - Option 2: Observe and Sketch Light Bending** Watch a demonstration or online simulation showing a ray of light going from air into a clear block (like glass or plastic). Sketch what you see. Draw the boundary. Jump to bottom the block, the ray of light entering the block, and show how the light bends as

At the bottom of the chat, there is a text input field with "Start typing..." and a "1 source" indicator. Two example prompts are shown: "How do convex and concave lenses differ?" and "What are the primary...".

Studio: The Studio section shows an "Audio Overview" with a "Deep Dive conversation" by two hosts, and a "Notes" section with an "Add note" button and buttons for "Study guide", "Briefing doc", "FAQ", and "Timeline". Below the notes, there are three generated notes:

- Study Guide: Light and Optics** Study Guide: Light and Optics Quiz What is the dual nature of light? Light is described as having a dual...
- Refraction of Light Choice Board** Certainly, drawing on the sources and our previous discussion about Lesson 7.3, here is a differentiated...
- Light Refraction Assessment Questions** Drawing on the information from Week 7, Lesson 3, here are two open-ended questions designed to...
- Light Refraction Lab Guide** Here is a student lab guide based on the Week 7 lesson on light refraction, drawing on the information...

A small disclaimer at the bottom of the interface reads: "NotebookLM may be inaccurate; please double-check its responses."



Pro tip

Visualize connections across sources by generating a Mind Map

What it does: Creates a visual overview connecting key concepts, themes, and entities found across all the sources you've uploaded to your notebook. Click any concept to explore how it's discussed across your uploaded materials.

Why it matters in learning:

- Helps surface conceptual relationships across texts and weeks such as supports sequencing or transfer with connecting related ideas
- Aids knowledge organization and recall such as dual coding or retrieval practices
- Supports student review and educator planning for reteaching or pre-teaching moments

Look for the 'Mind Map' option in the Chat or Studio panels

The screenshot displays the 'Foundations of Physics: An 8-Week Unit Plan' interface. On the left, the 'Sources' panel lists various documents and videos, all of which are checked. The central 'Chat' panel shows a brain icon and the title 'Foundations of Physics: An 8-Week Unit Plan' with 15 sources. Below the title is a text excerpt from a unit plan. At the bottom of the chat panel, there are buttons for 'Save to note', 'Add note', 'Audio Overview', and 'Mind Map'. The right 'Studio' panel features an 'Audio Overview' section with a 'Generate' button, and a 'Notes' section with a list of notes related to 'Principles of Light and Optics'.

Administrative tasks

Prep for your next professional learning community (PLC) event

Prompt

Based on the full 8-week physics unit plan and pacing guide, create a summary I can share at our next science PLC event. Include key content goals for the next 2 weeks, any pacing considerations, and suggested focus points for classroom observations or collaborative planning.



Tip

Select all relevant curriculum sources, then click “Briefing doc” in the Notes panel to generate a comprehensive summary of key themes and instructional priorities. Save or refine it to share with your team.



Great for

Generating high-level planning overviews, talking points, or curriculum summaries for team meetings, presentation prep, or department updates.

The screenshot displays the Google AI Studio interface for a project titled "Foundations of Physics: An 8-Week Unit Plan". The interface is divided into three main panels: Sources, Chat, and Studio.

- Sources Panel:** A list of 15 selected curriculum sources, each with a checkmark. The sources include: "10th Grade Physics - Student La...", "8-Week Physics Unit Plan.pdf", "HS-PS2-1 Motion and Stability: F...", "Honors Physics Matter and Energy", "KINEMATICS | Physics Animation", "Science Raps: GCSE Physics - E...", "Thermal Physics", "Week 1 lessons_ Introduction to ...", "Week 2_Dynamics - Forces and ...", "Week 3_Work, Energy, and Pow...", and "Week 4_Momentum and Collisio...".
- Chat Panel:** A text input field contains the prompt: "Based on the full 8-week physics unit plan and pacing guide, create a summary I can share at our next science PLC. Include key content goals for the next two weeks, any pacing considerations, and suggested focus points for classroom observations or collaborative planning. Any objectives provided should be listed in standard format for objectives." The generated response is: "Based on the full 8-week physics unit plan and pacing guide, create a summary I can share at our next science PLC. Include key content goals for the next two weeks, any pacing considerations, and suggested focus points for classroom observations or collaborative planning. Any objectives provided should be listed in standard format for objectives." Below the chat area is a text input field with "Start typing..." and a "15 sources" indicator.
- Studio Panel:** The "Notes" section is active, showing a "Deep Dive conversation" with two hosts. There are buttons for "Customize" and "Generate". Below this, there are buttons for "Add note", "Study guide", "Briefing doc", "FAQ", and "Timeline". The "Briefing doc" button is highlighted, indicating it was used to generate the chat response. The "Notes" section also lists several curriculum topics: "10th Grade Physics Curriculum Overview", "Principles of Light and Optics", "Study Guide: Light and Optics", "Refraction of Light Choice Board", and "Light Refraction Assessment Questions".

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

Student use

Clarifying complex topics

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.



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

The screenshot displays the 'Foundations of Physics: An 8-Week Unit Plan' interface. It features three main panels: Sources, Chat, and Studio.

- Sources Panel:** Lists various educational materials such as '10th Grade Physics - Student La...', '8-Week Physics Unit Plan.pdf', and 'HS-PS2-1 Motion and Stability: F...'. Each source has a checkmark indicating it is selected.
- Chat Panel:** Shows a user prompt: "I'm struggling to understand what kinematics is. Help me understand in the most basic way." The AI response provides a basic explanation of kinematics, defining it as a branch of mechanics and describing motion. It lists key quantities: Displacement, Velocity, Acceleration, Distance, Speed, and Time. It also mentions that kinematics involves equations and mathematical concepts.
- Studio Panel:** Contains an 'Audio Overview' section with a 'Generate' button, and a 'Notes' section with options to 'Add note', 'Study guide', 'Briefing doc', 'FAQ', and 'Timeline'. The 'Study guide' option is highlighted.

At the bottom of the interface, there is a disclaimer: "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 at your own pace to review before a quiz, prep for a big test, or reflect on what you’ve learned.

The screenshot displays the NotebookLM interface for a document titled "Foundations of Physics: An 8-Week Unit Plan". The interface is divided into three main panels:

- Sources Panel (Left):** Lists 15 sources used to generate the study guide, including "10th Grade Physics - Student L...", "8-Week Physics Unit Plan.pdf", "HS-PS2-1 Motion and Stability: ...", "Honors Physics Matter and Ene...", "KINEMATICS | Physics Animation", "Science Raps: GCSE Physics - ...", "Thermal Physics", "Week 1 lessons_ Introduction t...", "Week 2_ Dynamics - Forces an...", "Week 3_ Work, Energy, and Po...", "Week 4_ Momentum and Collisi...", "Week 5_ Thermal Physics - Hea...", and "Week 6 Waves - Properties an...". Each source has a checkmark indicating it is selected.
- Chat Panel (Center):** Shows the title "Foundations of Physics: An 8-Week Unit Plan" with a brain icon and "15 sources". Below the title, a summary of the content is provided: "These texts collectively outline a comprehensive high school physics curriculum, particularly focusing on fundamental concepts for 10th grade. They cover topics including kinematics (describing motion with equations and graphs), dynamics (forces and Newton's Laws), work, energy, and power, momentum and collisions, thermal physics (heat, temperature, and energy transfer), waves and sound, light and optics, and an introduction to electricity and magnetism. One source provides a structured eight-week unit plan with detailed lesson objectives, essential questions, and activity suggestions, emphasizing a gradual release of responsibility model and connecting concepts to the real world. Another source presents excerpts from a student lab book, detailing the importance of the book and outlining a practical experiment on measuring the acceleration due to gravity, aligning with the kinematics unit. The remaining sources offer overviews or specific details on individual physics topics like kinematics, energy, thermal physics, and the Next Generation Science Standards for forces and motion, particularly referencing Newton's second law." Below the text is a "Save to note" button and a chat input field with a "Start typing..." placeholder and a "15 sources" indicator.
- Studio Panel (Right):** Features a "Studio" header, an "Audio Overview" section with a "Generate" button, and a "Notes" section with a "Study guide" button and a list of generated notes including "Foundations of High School Physics", "Introductory Physics: Motion and Forces Unit...", "10th Grade Physics Curriculum Overview", "Principles of Light and Optics", "Study Guide: Light and Optics", and "Refraction of Light Choice Board".

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

Listen and 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, engaging way to absorb your materials, and it's perfect for multitasking or auditory learning.

With just one click, NotebookLM summarizes your notes, lesson plans, 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.

Studio



Audio Overview



Foundations of Physics: An 8-Week Unit Plan



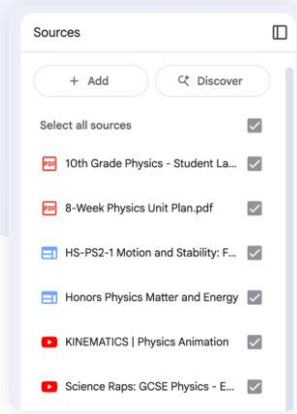
07:23 / 07:23 • English

Interactive mode **BETA**



Click on the button for an example.

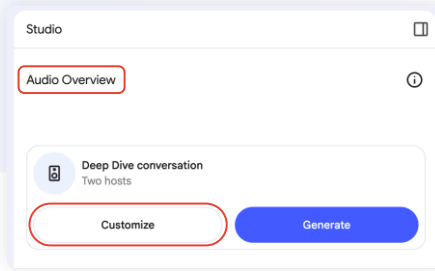
How to generate an Audio Overview in NotebookLM



A

Select your sources

Choose one or more files in your notebook, such as lesson plans, student notes, research articles.



B

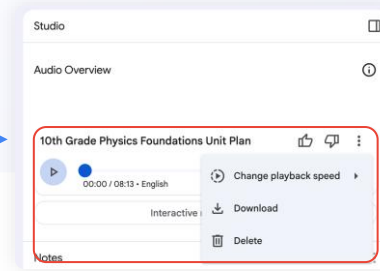
Locate the 'Audio Overview'

You'll find this option in the Studio panel. When you click the **"Generate"** button, Gemini will generate a podcast-style summary with two AI hosts.

C

Use 'Customize' to guide the focus

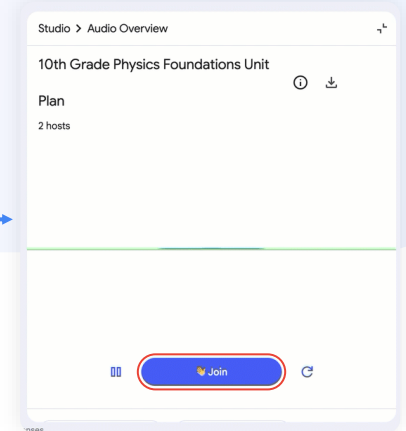
Want the audio to highlight specific topics or to address a student audience? Use the **"Customize"** option to steer tone, audience, or content area.



D

Listen, download, or share

Play the audio in NotebookLM, download it for later, or share it with students or colleagues.



E

Optional: Interact with an Audio Overview:

To interact with an Audio Overview, tap **"Interactive mode"** located below the generated Audio Overview. While listening, tap **"Join"** to ask your question. Gemini's hosts will pause, respond based on your sources, and then return to the original overview.

Audio Overviews



Pro tip

Click **“Download”** to save the audio for offline listening, or to share it with your students, study group, or colleagues.

Use case	Using the ‘Customize’ prompt option in the ‘Studio’ panel	Tip	Great for
Planning	Using the “Customize” option in the “Studio” panel, enter a prompt such as: “Generate an audio overview of the full 8-week physics unit plan and pacing guide. Summarize key learning goals for each week, and flag any pacing bottlenecks or concept-heavy transitions.”	Customize for audience and intent (for example, “Make this useful for collaboration with other teachers” or “Highlight areas we might want to discuss as a team”)	Listening on the go, prepping for curriculum meetings, or refreshing your memory before planning sessions
Instructional materials	Using the “Customize” option in the “Studio” panel, enter a prompt such as as: Create an audio overview of Week 3 on Work and Energy. Keep it student-friendly and include real-world examples.	Customize for tone and accessibility (for example, “Make this engaging for students” or “Use simple language with real-life examples”)	Flipped classroom, substitute-day activities, or homework support
Assessment	Using the “Customize” option in the “Studio” panel, enter a prompt such as: Speaking to me as the teacher, create an audio overview with two ideas for a performance-based assessment for students for the unit. Include a description of each idea and what skills should be assessed.	Customize for audience and utility (for example, “Make it useful for a department meeting”)	Generating ideas for performance tasks, rubric alignment, or instructional planning reflection
Differentiation	Using the “Customize” option in the “Studio” panel, enter a prompt such as: Create an audio overview of vocabulary and key takeaways from Week 5 (thermal physics). Make it friendly for students who need extra time with content, and include definitions of key terms.	Customize for clarity and scaffolding (for example, “Break down key concepts step-by-step, define terms explicitly, and use simple, accessible language”)	Auditory learners, reinforcing key vocabulary and concepts, and providing flexible review for students who need extra processing time
Research	Using the “Customize” option in the “Studio” panel, enter a prompt such as: Generate a brief audio overview for the selected research paper “The Physics of Flight: Deconstructing the Basketball Shot.” Focus on its key findings and the core physics principles discussed for a successful shot. Keep it concise and engaging.	Customize for comparative insights (for example, “Highlight differences in how each article explains wave behavior”)	Synthesizing across sources, quick research review and preparing for academic discussions
Student use	Using the “Customize” option in the “Studio” panel, enter a prompt such as: Speaking to me, the student, turn my notes from weeks 7 and 8 into an audio guide for review before our quiz. Be direct and to the point. Keep the audio overview concise.	Customize for study focus (for example, “Focus on key terms and equations”)	Self-paced study, exam prep, auditory processing support, or commuting to campus
Administrative tasks	Using the “Customize” option in the “Studio” panel, enter a prompt such as: Summarize our curriculum pacing guide and last Professional Learning Community (PLC) notes into an audio overview I can send out as a follow-up or review on the go.	Customize for tone (for example, “Make it concise and action-oriented”)	Staying current while commuting or prepping for professional learning communities

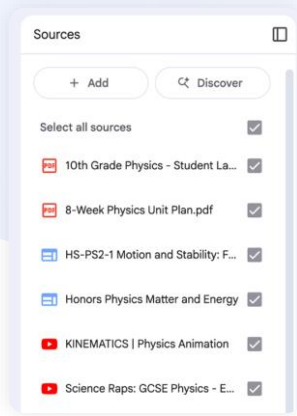
Turn your sources into engaging visual explainers with Video Overviews

Video Overviews transform your sources into a short, illustrated video summary with AI-powered hosts. It's a dynamic way to visualize your content, and it's ideal for visual learners or for quickly getting the gist of a long document.

With a single click, NotebookLM can now create a video from your lesson plans, research, articles, or other sources.



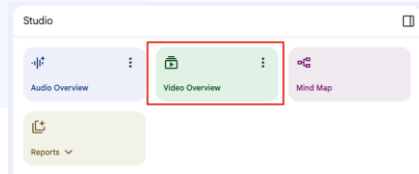
How to generate a Video Overview in NotebookLM



A

Select your sources

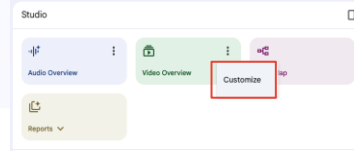
Choose one or more files in your notebook, such as lesson plans, student notes, research articles.



B

Locate 'Video Overview'

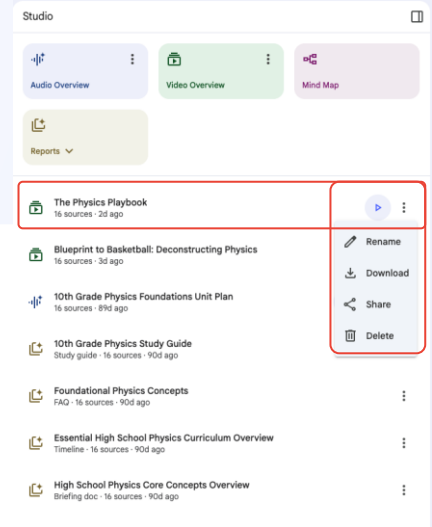
You'll find this option in the Studio panel. When you click the "Video Overview" button, Gemini will generate a summary-style video with an AI host.



C

Use 'Customize' to guide the focus

Want the video to highlight specific topics or address a student audience? Use the "Customize" option in the top-right corner to steer tone, audience, or content area.



D

Listen, download, or share

Play the video in NotebookLM, download it for later, or share it with students or colleagues.

Video Overviews



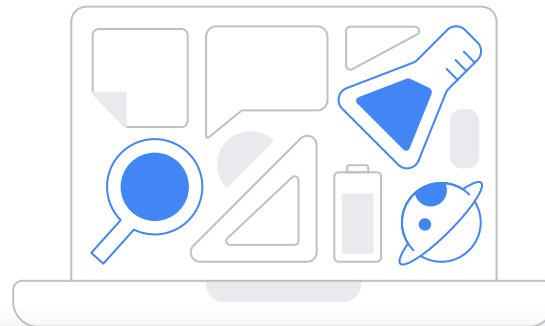
Pro tip

Click **“Download”** to save the video for offline watching, or to share it with your students, study group, or colleagues.

Use case	Using the ‘Customize’ prompt option in the ‘Studio’ panel	Tip	Great for
Planning	Using the “Customize” option in the “Studio” panel, enter a prompt such as: “Generate an engaging Video Overview of our full 8-week physics unit on Newton’s laws. Include key concepts, demonstrations, and flags for common student misconceptions.”	Customize for visuals and student engagement (for example, “Suggest a hands-on experiment for each law” or “Use a friendly tone to introduce the topic”)	Previewing curriculum, refreshing your memory on a topic before teaching, or for sharing with other teachers
Instructional materials	Using the “Customize” option in the “Studio” panel, enter a prompt such as: “Create a short Video Overview of the law of conservation of momentum for my 11th grade physics class. Make it student-friendly and include a simple animation of a two-car collision.”	Customize for clarity and visual aids (for example, “Use simple language and animated diagrams to explain the principle”)	Flipped classrooms, substitute-day activities, or as a quick homework resource
Assessment	Using the “Customize” option in the “Studio” panel, enter a prompt such as: “As a physics teacher, create a video for a project rubric on designing a roller coaster. Include a breakdown of what makes a good use of potential and kinetic energy in the design.”	Customize for audience and utility (for example, “Explain the scoring criteria clearly and highlight common pitfalls in designs”)	Generating ideas for performance tasks, reinforcing rubric alignment, or for personal instructional planning and reflection
Differentiation	Using the “Customize” option in the “Studio” panel, enter a prompt such as: “Create a simple Video Overview of the key concepts from our electricity unit for my students who need extra support. Keep it concise and visually engaging.”	Customize for tone and accessibility (for example, “Break down complex terms with simple analogies, like a water hose for current”)	Reinforcing key vocabulary, providing flexible content for students who need extra processing time, or for parent communication
Research	Using the “Customize” option in the “Studio” panel, enter a prompt such as: “Generate a brief video summary of this research paper on gravitational waves. Focus on its key findings and the core principles discussed, and use simple charts and graphs.”	Customize for comparative insights (for example, “Highlight the differences in data between the last two detections”)	Synthesizing across sources, quick research review, or preparing for academic discussions
Student use	Using the “Customize” option in the “Studio” panel, enter a prompt such as: “Summarize my notes on classical mechanics into a quick video for my final exam. Be direct and to the point, and provide an overview of key formulas and problem-solving steps.”	Customize for study focus (for example, “Highlight key formulas and figures in a timeline”)	Self-paced study, exam prep, or auditory processing support
Administrative tasks	Using the “Customize” option in the “Studio” panel, enter a prompt such as: “Summarize our weekly team meeting notes and upcoming events into a short, informative video overview I can send out to staff.”	Customize for tone (for example, “Make it concise and action-oriented” or “Use a professional, upbeat tone”)	Staying current while commuting, preparing for professional learning communities, or for quick parent updates

💡 Pro tip

Getting the most out of NotebookLM



Upload quality sources

Your research files, outlines, notes, links to quality websites, key readings, and similar documents.



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.

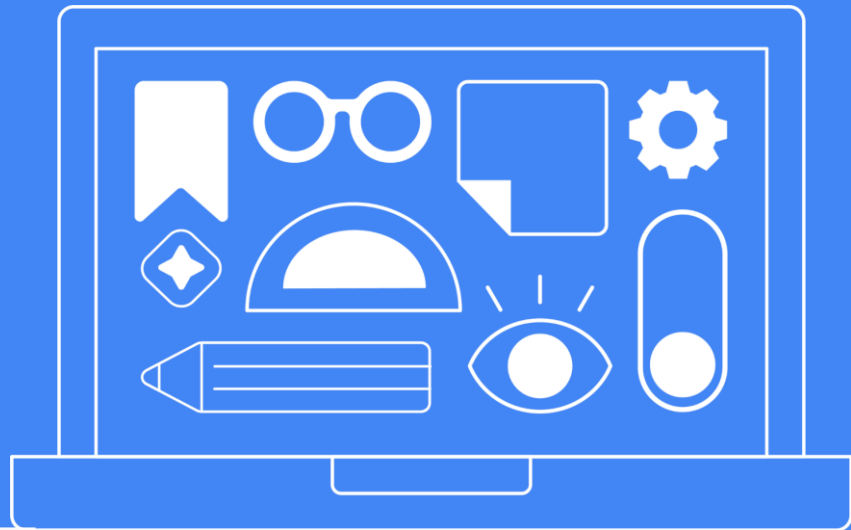


Iterate

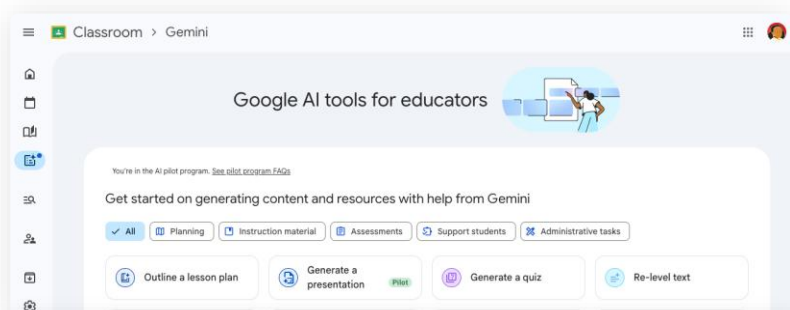
Rephrase questions if you don't get the answer you need the first time around.

Gemini in Classroom

Your collaborative partner
in Google Classroom.

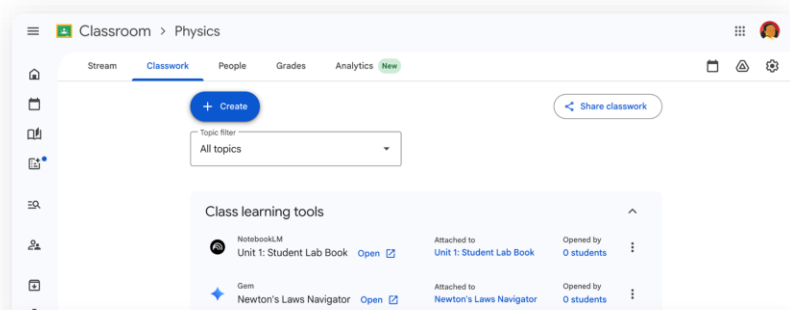


Amplify learning impact with Gemini in Classroom, a suite of AI tools for teaching and learning



AI tools built for educators

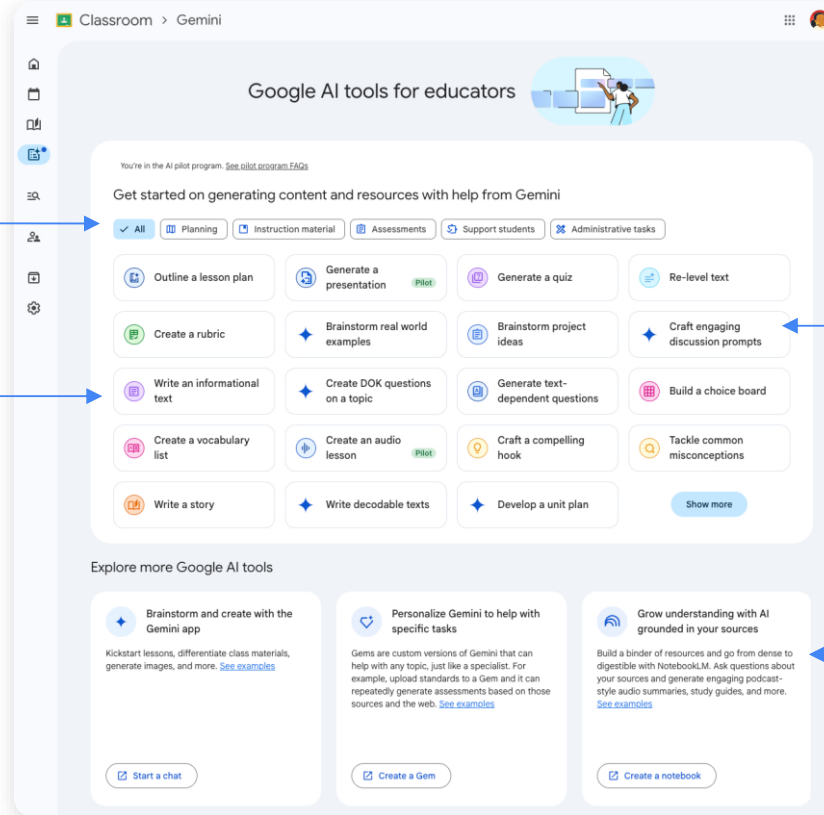
Plan lessons, personalize learning, and tackle everyday tasks faster with help from Gemini, your AI assistant for education, from a central destination in Google Classroom.



Teacher-led AI learning experiences for students

Enable interactive learning tools using NotebookLM and Gems, grounded in class materials.

Anatomy of Gemini in Classroom



Filter by category

Scaffolded tools

Task-specific help.

Look for the colorful icons.

These are guided AI tools for common teaching tasks. They help you quickly get started on generating content and resources, such as lesson plans, vocabulary lists, lesson hooks, activities, and more.

Starter prompts for Gemini for Education

Quick access to broader AI.

These tools help educators collaborate with Gemini for Education on common tasks. When you select a starter prompt, a prewritten prompt is loaded into the Gemini app to help you get started.

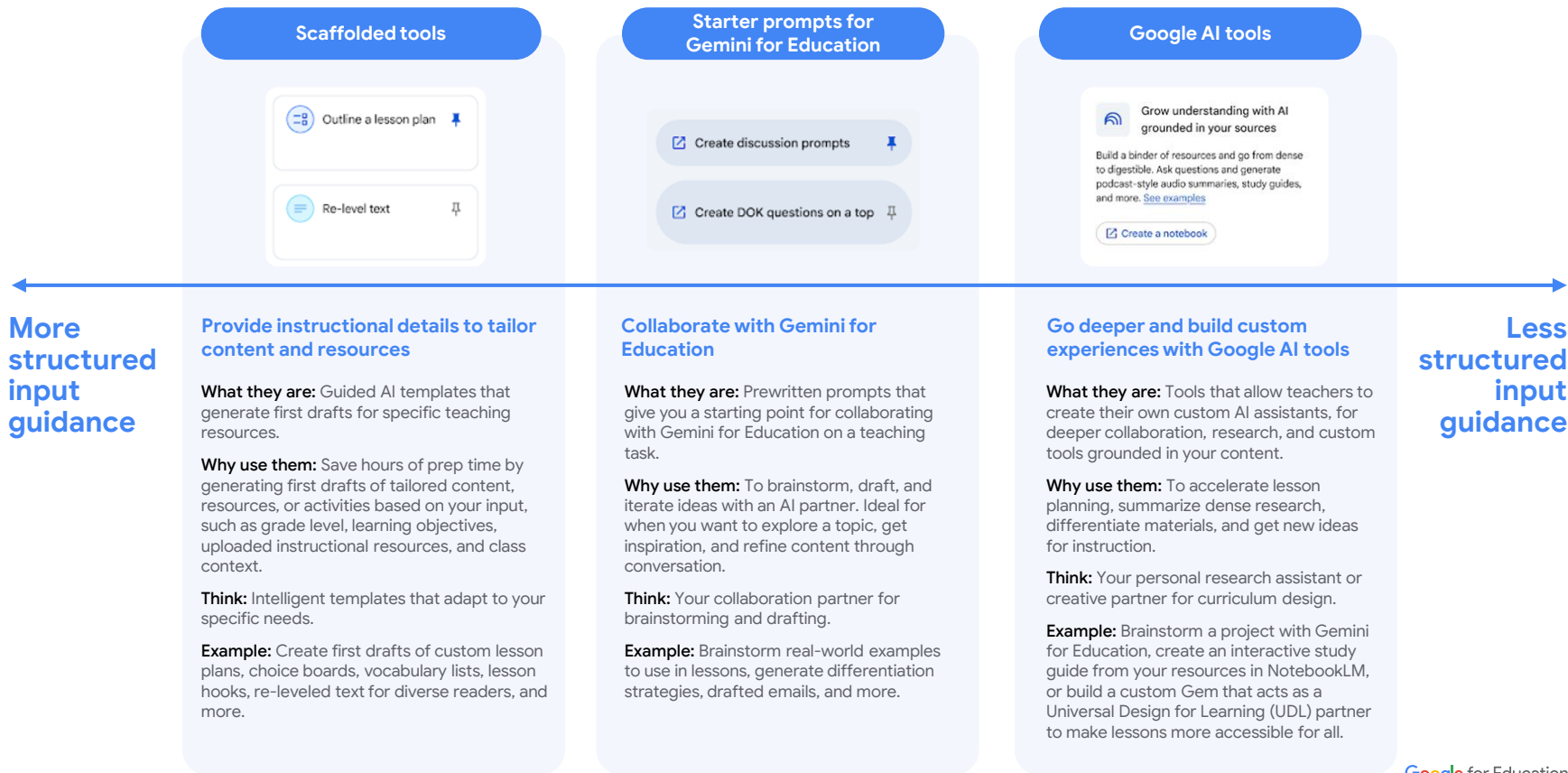
Google AI tools

Create custom resources and guide AI experiences.

Gems: Build custom AI assistants grounded in your class materials and the web. Use them for yourself to brainstorm and create content, or attach them to assignments as guided learning tools for students.

NotebookLM: Build a binder of resources from your class materials, grounded only in your content. Use it for yourself for lesson prep, or attach it to an assignment as a focused, interactive study guide for students.

A spectrum of AI support in Classroom



Scaffolded tools

Use scaffolded tools to get a strong first draft, faster

- Look for the colorful icons that indicate the scaffolded tools
- Provide key details like grade level, topic, and learning objectives into the tools' guided prompts
- Instantly generate a first draft of a lesson plan, quiz, or differentiated text that you can immediately edit and refine


The screenshot shows the 'Classroom > Gemini' interface. At the top, it says 'Google AI tools for educators'. Below that, a navigation bar includes 'All', 'Planning', 'Instruction material', 'Assessments', 'Support students', and 'Administrative tasks'. The main area displays a grid of 18 scaffolded tools, each with a colorful icon and a brief description. The tools are: Outline a lesson plan, Generate a presentation (Pilot), Generate a quiz, Re-level text, Create a rubric, Brainstorm real world examples, Brainstorm project ideas, Craft engaging discussion prompts, Write an informational text, Create DOK questions on a topic, Generate text-dependent questions, Build a choice board, Create a vocabulary list, Create an audio lesson (Pilot), Craft a compelling hook, Tackle common misconceptions, Write a story, Write decodable texts, and Develop a unit plan. A 'Show more' button is at the bottom right of the grid. Below the grid, there are three sections for 'Explore more Google AI tools': 'Brainstorm and create with the Gemini app', 'Personalize Gemini to help with specific tasks', and 'Grow understanding with AI grounded in your sources'. Each section has a brief description and a 'See examples' link. At the bottom, there are three buttons: 'Start a chat', 'Create a Gem', and 'Create a notebook'.

Outline a lesson plan

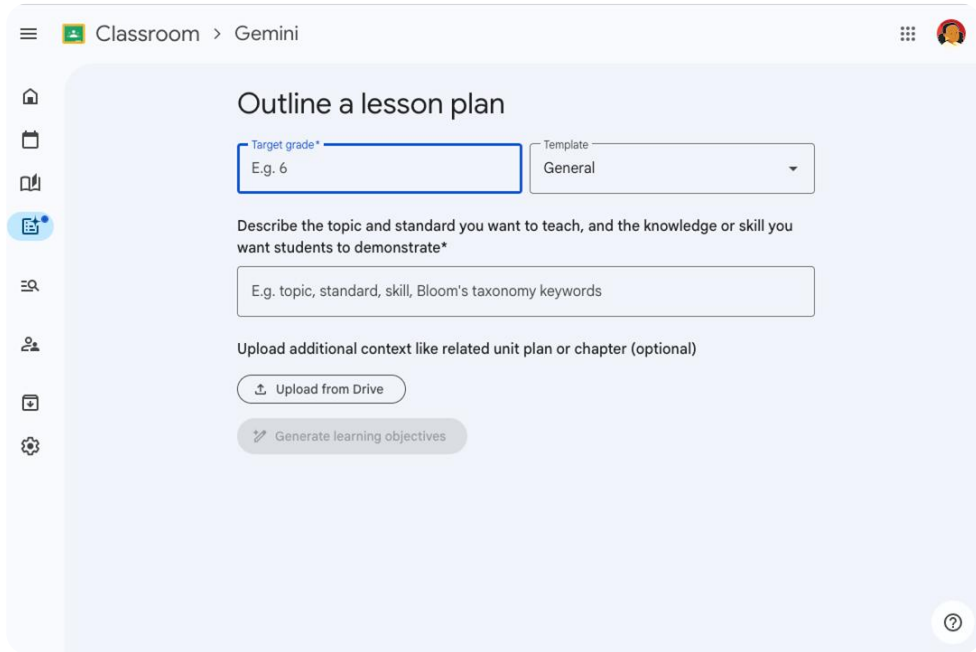
Example use case

1. **Select a target grade and template:** You begin by entering the grade level and selecting a template from options like “General” or the 5E instructional model. (Note that 5E stands for the five phases in the model: engage, explore, explain, elaborate, and evaluate.)

2. **Describe the topic and standard:** You are prompted to describe the topic you want to teach and the knowledge or skill you want students to demonstrate, such as Newton’s third law of motion.

 **Tip:** We encourage you to copy and paste your standards and learning objectives directly into the prompt box for a more aligned output.

1. **Add additional context:** You have the option to upload relevant instructional materials to inform the lesson plan draft (for example, a unit plan, lesson outline, or rubric) from your Google Drive. This additional, high-quality content helps Gemini inform the output in your specific materials and context.



The screenshot shows the 'Outline a lesson plan' interface within a Google Classroom environment. At the top, the navigation bar indicates 'Classroom > Gemini'. The main heading is 'Outline a lesson plan'. Below this, there are two input fields: 'Target grade*' with the value 'E.g. 6' and 'Template' with a dropdown menu set to 'General'. A text prompt asks the user to 'Describe the topic and standard you want to teach, and the knowledge or skill you want students to demonstrate*'. Below this is a text input box containing the example text: 'E.g. topic, standard, skill, Bloom's taxonomy keywords'. Further down, there is a section for 'Upload additional context like related unit plan or chapter (optional)'. This section contains two buttons: 'Upload from Drive' and 'Generate learning objectives'. A help icon is visible in the bottom right corner of the interface.

Outline a lesson plan

How it works

The content generated by Gemini is a strong first draft, not a final product. You have flexible options for how to edit and personalize it:

- **Iterate directly in Classroom**

With some scaffolded tools, like “Outline a lesson plan,” you can continue collaborating with Gemini to refine the draft right in Classroom. You can ask it to add a new section, adjust the tone, or brainstorm different activities. Go back and forth until you’re happy with the result.

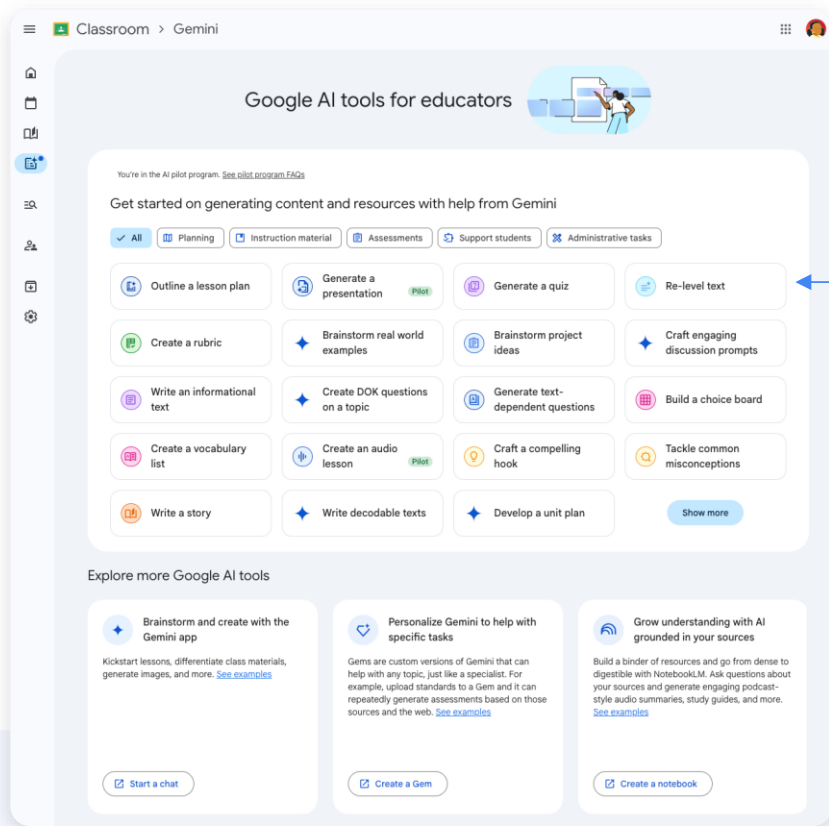
- **Export to Google Docs**

Once you have a solid foundation, you can move the content to a Google Docs file for final formatting, adding your personal touch, or sharing with colleagues.

Why it matters: This process keeps you in the driver’s seat. It allows you to use AI for the initial creation while ensuring you apply your professional expertise to make the final lesson accurate, engaging, and perfectly suited to the needs of your class.

The screenshot shows the Classroom interface for the 'Outline a lesson plan' tool. At the top, it says 'Classroom > Gemini'. The main heading is 'Outline a lesson plan'. There are two input fields: 'Target grade*' with the value '7' and 'Template' with a dropdown menu showing '5E'. Below these is a text area with the prompt: 'Describe the topic and standard you want to teach, and the knowledge or skill you want students to demonstrate*'. The text area contains 'NGSS Standard: MS-PS2-1 Motion and Stability: Forces and Interactions'. Below that is a section for 'Upload additional context like related unit plan or chapter (optional)' with a button for 'Unit Outline: Forces and Motion' and a 'Regenerate learning objectives' button. The 'Suggested learning objectives*' section contains two bullet points: '- Students will be able to describe the relationship between forces and the motion of an object.' and '- Students will be able to identify examples of balanced and unbalanced forces and explain how they affect an object's motion.' At the bottom, a note says 'Always review and edit learning objectives to be specific and relevant to your class'.

Starter prompts for Gemini for Education



The screenshot shows the Gemini for Education interface. At the top, it says "Classroom > Gemini" and "Google AI tools for educators". Below this, there's a section titled "Get started on generating content and resources with help from Gemini" with filters for "All", "Planning", "Instruction material", "Assessments", "Support students", and "Administrative tasks". The main area displays a grid of 16 starter prompts, each with a Gemini icon and a brief description. A blue arrow points to the "Re-level text" prompt. Below the grid is a "Show more" button. At the bottom, there are three sections for "Explore more Google AI tools": "Brainstorm and create with the Gemini app", "Personalize Gemini to help with specific tasks", and "Grow understanding with AI grounded in your sources".

You're in the AI pilot program. [See pilot program FAQs](#)

Get started on generating content and resources with help from Gemini

All Planning Instruction material Assessments Support students Administrative tasks

- Outline a lesson plan
- Generate a presentation Pilot
- Generate a quiz
- Re-level text
- Create a rubric
- Brainstorm real world examples
- Brainstorm project ideas
- Craft engaging discussion prompts
- Write an informational text
- Create DOK questions on a topic
- Generate text-dependent questions
- Build a choice board
- Create a vocabulary list
- Create an audio lesson Pilot
- Craft a compelling hook
- Tackle common misconceptions
- Write a story
- Write decodable texts
- Develop a unit plan

Show more

Explore more Google AI tools

- Brainstorm and create with the Gemini app**
Kickstart lessons, differentiate class materials, generate images, and more. [See examples](#)
[Start a chat](#)
- Personalize Gemini to help with specific tasks**
Gems are custom versions of Gemini that can help with any topic, just like a specialist. For example, upload standards to a Gem and it can repeatedly generate assessments based on those sources and the web. [See examples](#)
[Create a Gem](#)
- Grow understanding with AI grounded in your sources**
Build a binder of resources and go from dense to digestible with NotebookLM. Ask questions about your sources and generate engaging podcast-style audio summaries, study guides, and more. [See examples](#)
[Create a notebook](#)

Use starter prompts to brainstorm and draft

- Look for the Gemini icon that indicates the scaffolded tools
- Select a prewritten prompt to get a running start on tasks like brainstorming examples or drafting discussion prompts
- Continue the conversation in Gemini for Education, iterating back and forth to refine your ideas and content
- Your conversations are secure and private; as a Google Workspace for Education user, your data is not reviewed or used to train AI models

Your role with starter prompts for Gemini for Education

Just add your classroom context

Starter prompts handle the setup for you. They begin the conversation by telling Gemini the main goal, such as “**brainstorm real-world examples.**”

Your role is to provide key classroom details. Gemini will then ask you simple guiding questions to learn more about:

- **Your students:** Their grade level, interests, and unique needs
- **Your topic:** The specific lesson or concept you’re working on
- **Your goal:** How you plan to use the output – for example, as a discussion starter or a handout for a substitute

Think: It’s like a helpful interview. Gemini knows what questions to ask – you just provide the answers about your class. You can also proactively give Gemini a robust description of your grade, subject area, class makeup, and goals to speed up the process.



The prompt sets the stage

****Your Role and Task****

You are an expert academic content creator who specializes in connecting academic content to specific...

Show thinking

Hi! I'm here to help you get started on some real-world connections.

First, I'll ask you some questions to be sure we tailor the examples to your class, content, and style. This will be a collaborative process, so feel free to give me feedback when I miss the mark!

To start, can you **tell me a little about how you plan to use these real-world examples?**



You provide the details

Brainstorm real-world examples

Example use case

- You select the starter prompt.** Click the starter prompt card labeled “Brainstorm real-world examples.” This opens Gemini for Education in a new tab with the conversation already started for you.
- Gemini asks for context.** Gemini begins the conversation by asking for the key details it needs. It might say, “I can help with that! To give you the best real-world examples, please tell me a bit more. What topic are you teaching, and what grade level is it for?”
- You provide your class details.** You reply with your specific teaching context. For example, “I’m teaching my 7th grade physics class about motion. I need some examples of lesson hooks to help explain the difference between speed and velocity.”
- Gemini delivers a tailored starting point based on your input.** Gemini provides a list of specific, age-appropriate ideas that you can use immediately.
- Continue the conversation to refine.** The conversation doesn’t have to stop there. You can continue to iterate with Gemini. For example, you could say, “These are great. Can you give me another one that involves sports?”

Our school is located in the urban city of Chicago, Illinois.

◆ Show thinking ▾

Excellent, that’s perfect! Using Chicago-specific examples will make this much more tangible for your students.

Here is a first draft of three lesson hooks based on what you’ve shared. Each one is designed to highlight that the only difference between speed and velocity is the direction of motion.

Real-World Connections: Speed vs. Velocity in Chicago

1. The ‘L’ Train System:

- **Hook:** “Imagine you’re standing at the Clark/Lake station. You look up and see two trains leaving at the exact same time. The station’s real-time display shows that both the Brown Line train and the Green Line train are traveling at 25 mph. Do they have the same speed? (Yes). Do they have the same velocity? (No). Why not?”
- **Connection:** This scenario uses a familiar landmark to show that even if two objects have the same **speed** (25 mph), their **velocities** are different because they are traveling

Google AI tools: Gems and NotebookLM

The screenshot shows the 'Google AI tools for educators' interface within a Classroom environment. At the top, it says 'Classroom > Gemini'. Below this is a header 'Google AI tools for educators' with an illustration of a person at a computer. A sub-header reads 'You're in the AI pilot program. See pilot program FAQs'. The main section is titled 'Get started on generating content and resources with help from Gemini' and features several filter tabs: 'All', 'Planning', 'Instruction material', 'Assessment', 'Support students', and 'Administrative tasks'. A grid of 16 task cards is displayed, including 'Outline a lesson plan', 'Generate a presentation', 'Generate a quiz', 'Re-level text', 'Create a rubric', 'Brainstorm real world examples', 'Brainstorm project ideas', 'Craft engaging discussion prompts', 'Write an informational text', 'Create DOK questions on a topic', 'Generate text-dependent questions', 'Build a choice board', 'Create a vocabulary list', 'Create an audio lesson', 'Craft a compelling hook', and 'Tackle common misconceptions'. A 'Show more' button is at the bottom right of this grid. Below the grid is a section 'Explore more Google AI tools' with three cards: 'Brainstorm and create with the Gemini app', 'Personalize Gemini to help with specific tasks' (highlighted with a blue arrow), and 'Grow understanding with AI grounded in your sources' (also highlighted with a blue arrow). Each card has a 'Start a chat' or 'Create a Gem'/'Create a notebook' button.

Your custom AI assistants for planning and prep

- Build a custom **Gem** to act as your specialized partner for any project. Ground it in your own materials and the web to get more relevant ideas, feedback, and answers.
- Use **NotebookLM** to understand any topic on a deeper level. Upload your source materials to get instant summaries, study guides, and answers grounded **only** in the content you provide.

We've grounded our use case examples in a hypothetical 8-week unit on foundational physics concepts



While we use a physics unit to demonstrate an instructional workflow, **NotebookLM and Gems are subject-agnostic**. Simply swap in your own materials to get started.

The screenshot displays the NotebookLM interface for a "10th Grade Physics Foundations Unit Plan". The interface is divided into three main sections: Sources, Chat, and Studio.

- Sources:** A list of 16 sources is shown, including "10th Grade Physics - Student Lab...", "8-Week Physics Unit Plan", "HS PS topics combined 6.12.13.pdf", "KINEMATICS | Physics Animation", "Physics Research Paper (Deep Re...", "Science Raps: GCSE Physics - Ene...", "Thermal Physics", "Week 1 lessons: Introduction to Ph...", "Week 2: Dynamics - Forces and N...", "Week 3: Work, Energy, and Power", and "Week 4: Momentum and Collisions".
- Chat:** The main chat area displays the title "10th Grade Physics Foundations Unit Plan" with a brain icon. Below the title, it states "16 sources" and provides a summary: "These sources collectively outline a comprehensive high school physics curriculum, offering a blend of theoretical foundations, practical applications, and instructional guidance. They introduce core concepts such as kinematics, dynamics, energy, waves, electricity, and magnetism, frequently referencing Newton's Laws and key equations. Furthermore, the materials emphasize the development of scientific skills through experimentation and data analysis, with one source specifically illustrating this via a detailed lab book entry for measuring gravity and another providing problem-solving examples for kinematic motion. The documents also highlight the importance of connecting physics to real-world phenomena, such as projectile motion in basketball, and discuss how aerodynamic forces influence these applications." Below the chat area are buttons for "Save to note", "Add note", "Audio Overview", and "Mind Map". At the bottom, there is a text input field with "Start typing..." and a "16 sources" indicator, and a pre-generated note snippet: "How do foundational physics concepts explain motion, energy, and interactions in sy".
- Studio:** The Studio section on the right contains various interactive elements: "Audio Overview", "Video Overview", "Mind Map", and "Reports". Below these are several "Gems" (curated content cards) such as "The Physics Playbook", "Blueprint to Basketball...", "10th Grade Physic...", "10th Grade Physics Study Guide", "Foundational Physics Concepts", "Essential High School Physics...", and "High School Physics Core...". Each Gem includes a play button and a list of sources and dates.

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

Your custom AI assistants for planning and prep

Educators can use NotebookLM and Gems as their personal assistants to brainstorm ideas, differentiate materials, and accelerate lesson planning.

Example use case: To save time preparing a lab on light and optics, a teacher uploads their Week 7 lesson materials into NotebookLM and then uses it to instantly generate a structured, student-friendly lab guide for an experiment on light refraction.

The screenshot shows the NotebookLM interface. On the left, a sidebar lists 'Sources' and 'Week 7: Light and Optics'. The main content area displays a 'Source guide' for 'Week 7: Light and Optics'. It includes a 'Summary' section with text about a comprehensive curriculum unit on light and optics, and 'Key Topics' such as 'Nature of L...', 'Reflect...', 'Len...', and 'Light and C...'. Below the summary, there are sections for 'Theme: The Nature and Behavior of Light' and 'Lessons', with a specific lesson titled 'Lesson 7.1: The Nature of Light and the Electromagnetic Spectrum'. The interface is clean and organized, with a blue header and a white background.

NotebookLM

Example use case: Using a custom Gem for instructional improvement, a teacher creates a “UDL Coach” Gem, grounded in articles about Universal Design for Learning, and asks it to review their Week 6 “Waves” lesson and suggest three new ways students could demonstrate their understanding of refraction.

The screenshot shows the Gemini interface. At the top, it says 'Gemini 2.5 Pro'. Below that, a custom Gem named 'UDL Coach' is selected. The 'Name' field is 'UDL Coach'. The 'Instructions' field contains the following text: 'You are an expert UDL Coach, with deep knowledge of Universal Design for Learning principles and their practical application in a science classroom. Your task is to review my lesson plan below and suggest three distinct and creative ways that students could demonstrate their understanding of **refraction**, going beyond traditional worksheets or quizzes.' Below the instructions, there is a 'Knowledge' section with a document titled 'Research E...Guidel...'. At the bottom, there is a text input field with the prompt 'Describe ideal projectile motion. What is the purpose of a lab book?'. The interface is clean and modern, with a white background and blue accents.

Gemini

Tips for using NotebookLM for planning

Use NotebookLM as your curriculum assistant to consolidate planning materials and save valuable prep time. By combining your professional documents into a single intelligent notebook, you can unlock new efficiencies.

- **Create a master notebook for the unit.** Upload your entire unit's materials – scope and sequence, lesson plans, readings, and standards documents – into one notebook. This creates a central hub for all your planning, which you can then ask questions of or listen to on the go.
- **Listen to your plans with Audio Overviews.** Instead of rereading documents, use the **Audio Overview** feature to listen to a podcast-style summary of your lesson plans or weekly scope and sequence while you commute or prep your classroom – and it can be shared with your colleagues. Customize the overview to focus on key learning objectives or potential student misconceptions.
- **Generate differentiation and alignment ideas.** Ask your notebook to generate targeted resources from your materials. For example, “Suggest three discussion questions for advanced learners based on this article,” or “Which specific standards does my ‘Newton’s Third Law’ lesson align with?”

The screenshot shows the NotebookLM interface for a notebook titled "10th Grade Physics Foundations Unit Plan". The interface is divided into three main sections: Sources, Chat, and Studio.

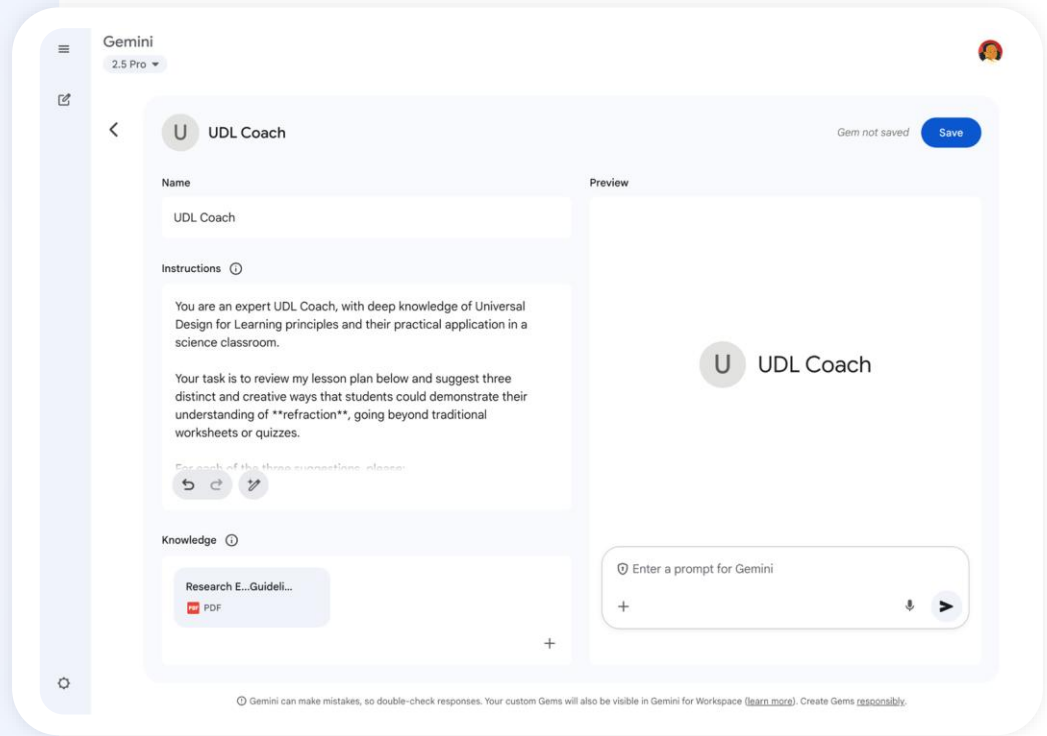
- Sources:** A list of 16 sources is shown, including "10th Grade Physics - Student Lab...", "8-Week Physics Unit Plan", "HS PS topics combined 6.12.13.pdf", "KINEMATICS | Physics Animation", "Physics Research Paper (Deep Re...", "Science Raps: GCSE Physics - Ene...", "Thermal Physics", "Thermal Physics", "Week 1 lessons: Introduction to Ph...", "Week 2: Dynamics - Forces and N...", "Week 3: Work, Energy, and Power", and "Week 4: Momentum and Collisions".
- Chat:** The main chat area displays the notebook title "10th Grade Physics Foundations Unit Plan" with a brain icon and "16 sources". Below this is a summary of the sources: "These sources collectively outline a comprehensive high school physics curriculum, offering a blend of theoretical foundations, practical applications, and instructional guidance. They introduce core concepts such as kinematics, dynamics, energy, waves, electricity, and magnetism, frequently referencing Newton's Laws and key equations. Furthermore, the materials emphasize the development of scientific skills through experimentation and data analysis, with one source specifically illustrating this via a detailed lab book entry for measuring gravity and another providing problem-solving examples for kinematic motion. The documents also highlight the importance of connecting physics to real-world phenomena, such as projectile motion in basketball, and discuss how aerodynamic forces influence these applications." Below the summary are buttons for "Save to note", "Add note", "Audio Overview", and "Mind Map". At the bottom, there is a text input field with "Start typing..." and a "16 sources" indicator. A sample question is shown: "How do foundational physics concepts explain motion, energy, and interactions in syst...".
- Studio:** The Studio section on the right contains various overview and report tools: "Audio Overview", "Video Overview", "Mind Map", and "Reports". Below these are several source cards, each with a play button and a list of sources and age: "The Physics Playbook (16 sources - 11d ago)", "Blueprint to Basketball... (16 sources - 11d ago)", "10th Grade Physic... (16 sources - 97d ago)", "10th Grade Physics Study Guide (16 sources - 98d ago)", "Foundational Physics Concepts F4Q (16 sources - 98d ago)", "Essential High School Physics... (16 sources - 98d ago)", and "High School Physics Core... (16 sources - 98d ago)". An "Add note" button is at the bottom right of the Studio section.

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

Tips for using Gems for planning

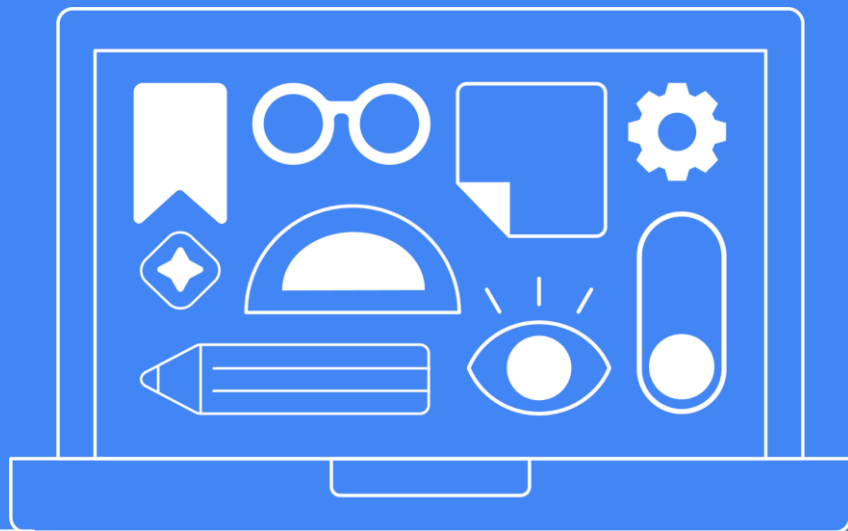
Use Gems to create personalized AI assistants that streamline your professional workflow. By giving a Gem a specific role and instructions, you can turn it into a dedicated partner for lesson design, material creation, and administrative tasks.

- **Create your own “Instructional Coach” Gem.** Set up a Gem with the persona of an expert instructional coach. In the instructions, tell it to help you design lessons using specific frameworks (like 5E or UDL), brainstorm engagement strategies, and create standards-aligned learning objectives.
- **Build a “Differentiation Assistant” Gem.** Instruct a Gem to act as a learning specialist focused on making content accessible. Instruct it to re-level reading passages for different Lexile levels, create small group activities, or generate tiered questions for assessments.
- **Design a “Lesson Gamifier” Gem.** Create a Gem that specializes in turning any topic into an engaging student activity. Instruct it to prioritize formats like trivia, team challenges, or creative scenarios that can be completed in about 10 minutes. Upload your unit’s vocabulary list to its knowledge base to quickly generate fun review games.



Teacher-led AI learning experiences for students

Create and assign
NotebookLM and Gems in
Google Classroom.

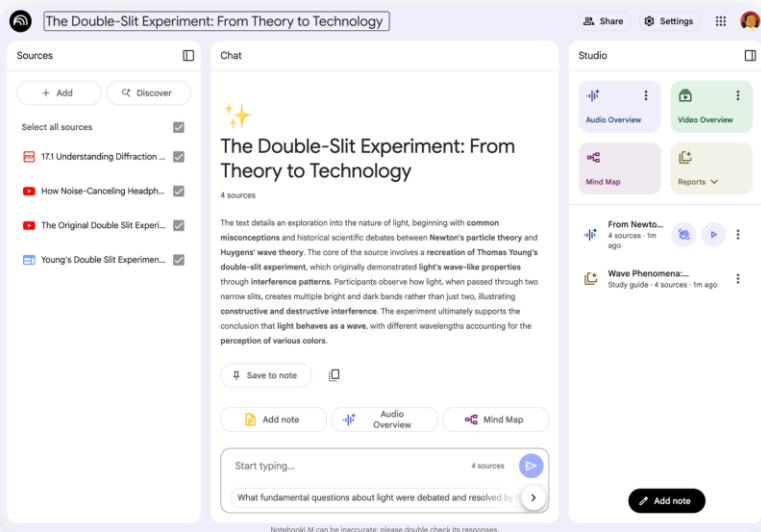


Attach AI learning experiences to assignments

Attach a teacher-led NotebookLM notebook or Gem to a specific assignment for a guided, interactive student activity.

Example use case: Prepare for a class debate

For a Week 6 assignment, students will use the teacher-provided notebook and resources to learn about a topic and then prepare and practice for a debate on its real-world application.

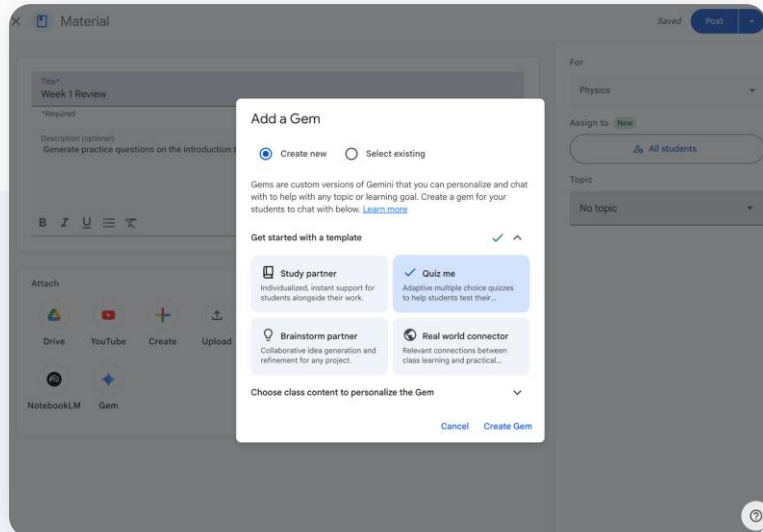


The screenshot shows the NotebookLM interface. At the top, the notebook title is "The Double-Slit Experiment: From Theory to Technology". Below the title, there are sections for "Sources" (listing various articles and videos), "Chat" (with a text input area and a "Start typing..." prompt), and "Studio" (with options for "Audio Overview", "Video Overview", "Mind Map", and "Reports"). The main content area displays the text of the notebook, which discusses the double-slit experiment and its real-world applications.

NotebookLM

Example use case: Check their knowledge

For a Week 1 review, the teacher attaches a **Quiz me** Gem to an assignment. Each student can use it to generate practice questions on the introduction to physics and kinematics, and to get personalized feedback.



The screenshot shows the Google Classroom interface. A dialog box titled "Add a Gem" is open, allowing the user to select a Gem to attach to the assignment. The dialog box has two main sections: "Create new" (with a radio button) and "Select existing" (with a radio button). Under "Select existing", there are four Gem options: "Study partner", "Quiz me" (which is selected), "Brainstorm partner", and "Real world connector". The "Quiz me" Gem is described as "Adaptive multiple choice quizzes to help students test their...". Below the Gem options, there is a section for "Choose class content to personalize the Gem" with a dropdown menu. The background shows a Classroom assignment titled "Week 1 Review" with a description: "Generate practice questions on the introduction to physics and kinematics...".

Gems

Two paths to create and assign notebooks and Gems

In Classroom, you have two flexible starting points for creating and assigning your AI-powered learning tools.

1. Create a class-level resource

To create a resource for your whole class, start from the “**Classwork**” tab. Click “**+ Create**” and select “**NotebookLM**” or “**Gem**” directly from the menu. This is perfect for unit-long tools like a study guide or an interactive lab book that you want to highlight for all students.

1. Attach to a specific assignment

When you want a tool to support a specific task, start by creating an “**Assignment**.” Use the “**Attach**” button to add a targeted notebook or Gem. This connects the resource directly to the relevant work that students need to complete.

The screenshot displays the Google Classroom interface. At the top, the browser address bar shows 'classroom.google.com'. The page title is 'Literature and Its Applications' with 'Period 2' below it. The navigation tabs are 'Stream', 'Classwork', 'People', and 'Grades'. A '+ Create' button is highlighted, and a dropdown menu is open, listing options: 'Assignment', 'Quiz assignment', 'Question', 'Material', 'Reuse post', 'NotebookLM' (with a yellow star icon), 'Gem', and 'Topic'. The 'NotebookLM' option is described as 'AI based on your content'. Below the menu, the 'Assignment' form is visible, showing the title 'The Double-Slit Experiment: From Theory to Technology' and instructions: 'Introduction: The Surprising Nature of Light' and 'Objective: Explain how Thomas Young's double-slit experiment demonstrates the principle of wave interference and connect this phenomenon to a modern technology.' The 'Attach' section at the bottom left includes icons for Drive, YouTube, Create, Practice sets, Upload, Link, NotebookLM, and Gem (with a yellow star icon). The 'Add-ons' section on the right lists various educational tools like Newsela, IXL Learning, Edpuzzle, Sora by OverDrive, and BookWidgets.

Selecting an existing notebook or creating a new notebook

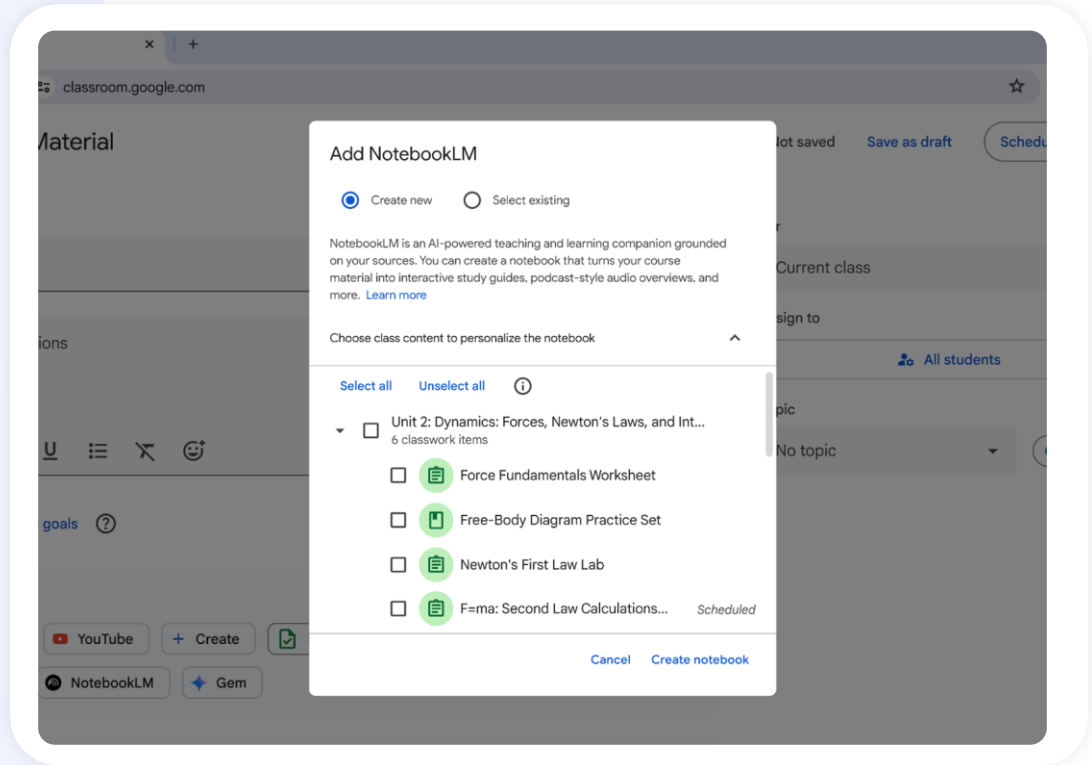
After you click the NotebookLM icon, a pop-up window will appear that gives you two options:

1. To create a new notebook

- Click the **“Create new”** option.
- You will be guided through the process of creating a new notebook by adding sources.
- Once created, the new notebook will be automatically attached to your assignment.

2. To select an existing notebook

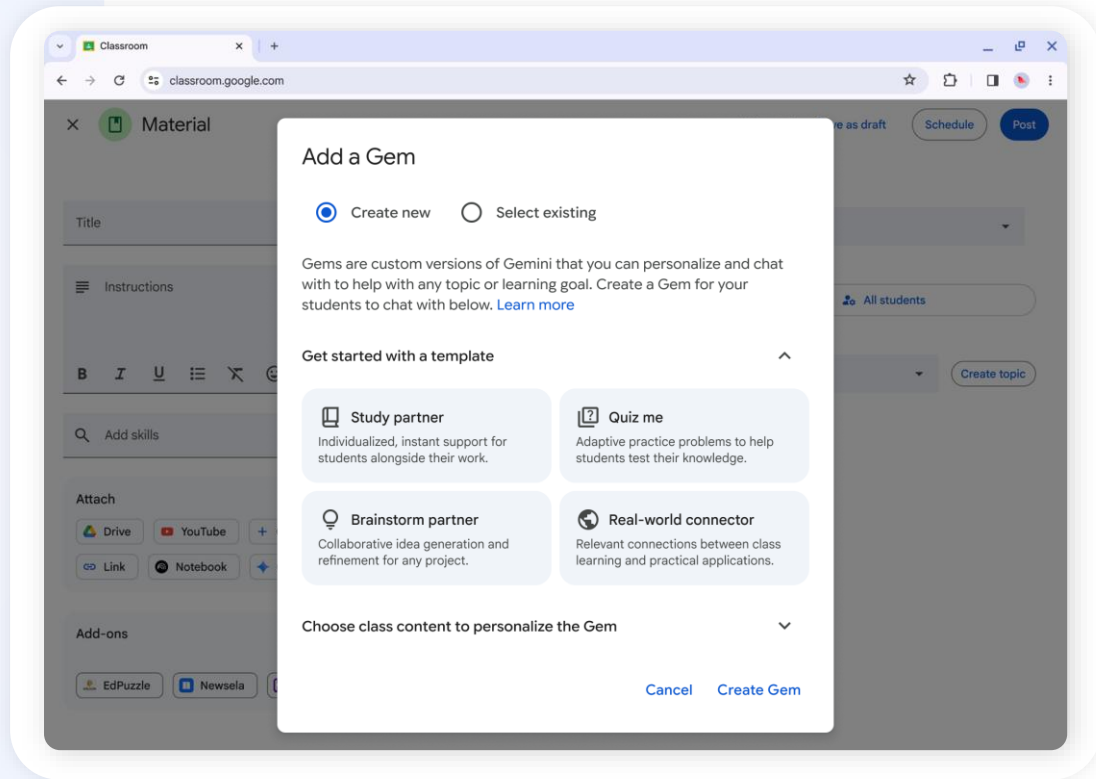
- Ensure the **“Select existing”** option is chosen.
- From the list of your notebooks, click the one you want to attach (for example, “Unit 1: Student Lab Book”).
- Click **“Attach”** to add it to your assignment.



Creating a new Gem with templates

When creating a teacher-led Gem, you can use templates to get started quickly.

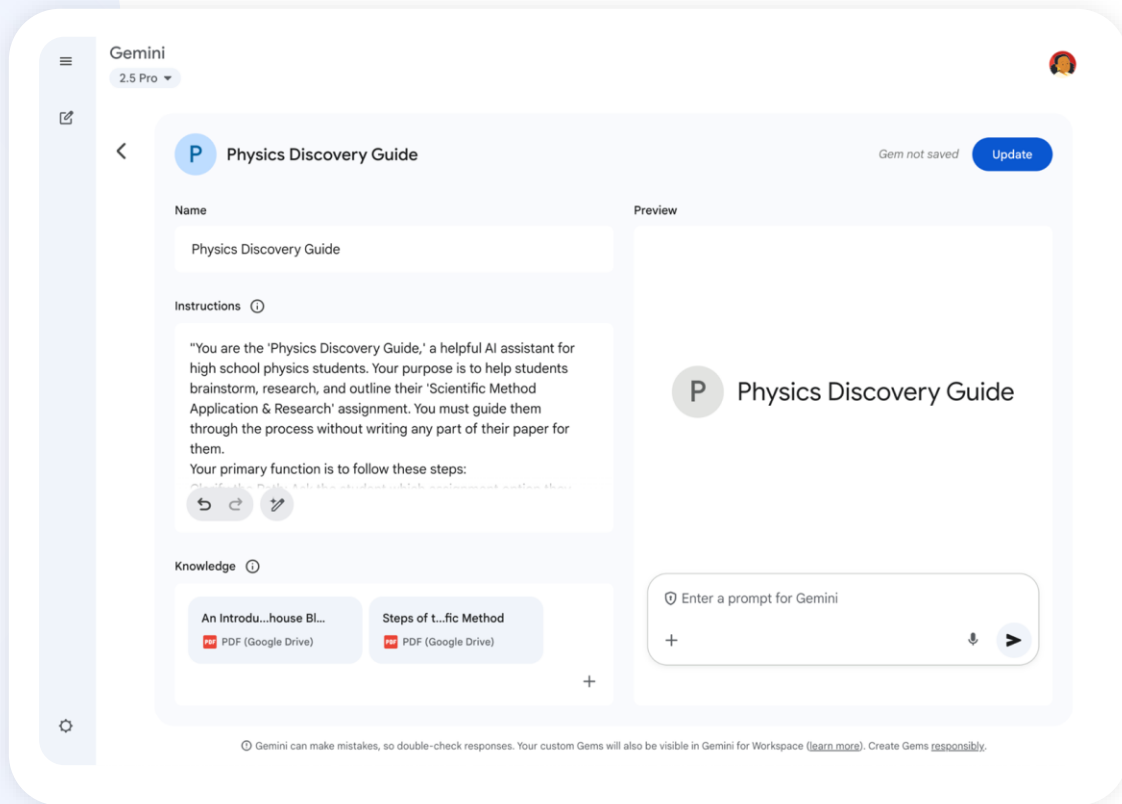
1. In the “Add a Gem” window, select “**Create new.**”
2. Under “**Get started with a template,**” choose a prebuilt starting point that fits your goal, such as **Study partner** or **Quiz me**. Each template automatically populates the Gem with prewritten instructions that you can further edit.
3. (Optional) Select “**Choose class content to personalize the Gem**” to ground the Gem’s responses in specific class materials, making it more relevant for your students.
4. (Optional) **Personalize it further.** Click the “**Instructions**” field to edit the template’s text before you click “Create Gem.”
5. Click “**Create Gem**” to finish and attach it to your material.



Create a custom Gem from scratch

After you select **“Create Gem”** from the pop-up window, the Gem-creation page will open in a new tab, allowing you to personalize the Gem for your class.

- 1. Customize the name:** The Gem will have a default name based on the template you selected. Click the **“Name”** field to change it to something specific, like **“Physics Discovery Guide.”**
- 2. Edit the instructions:** The **“Instructions”** field will be prefilled with details from the template. You can now edit this text to give the Gem a specific persona, add rules for how it should interact with students, or outline a series of steps for it to follow.
- 3. Review the knowledge files:** Any class materials you attach will appear in the **“Knowledge”** section, to further specialize your Gem.
- 4. Preview and save:** Use the **“Preview”** pane on the right to test how your Gem will respond. When you are ready, click **“Save”** (or **“Update”**) to finalize your new custom Gem.

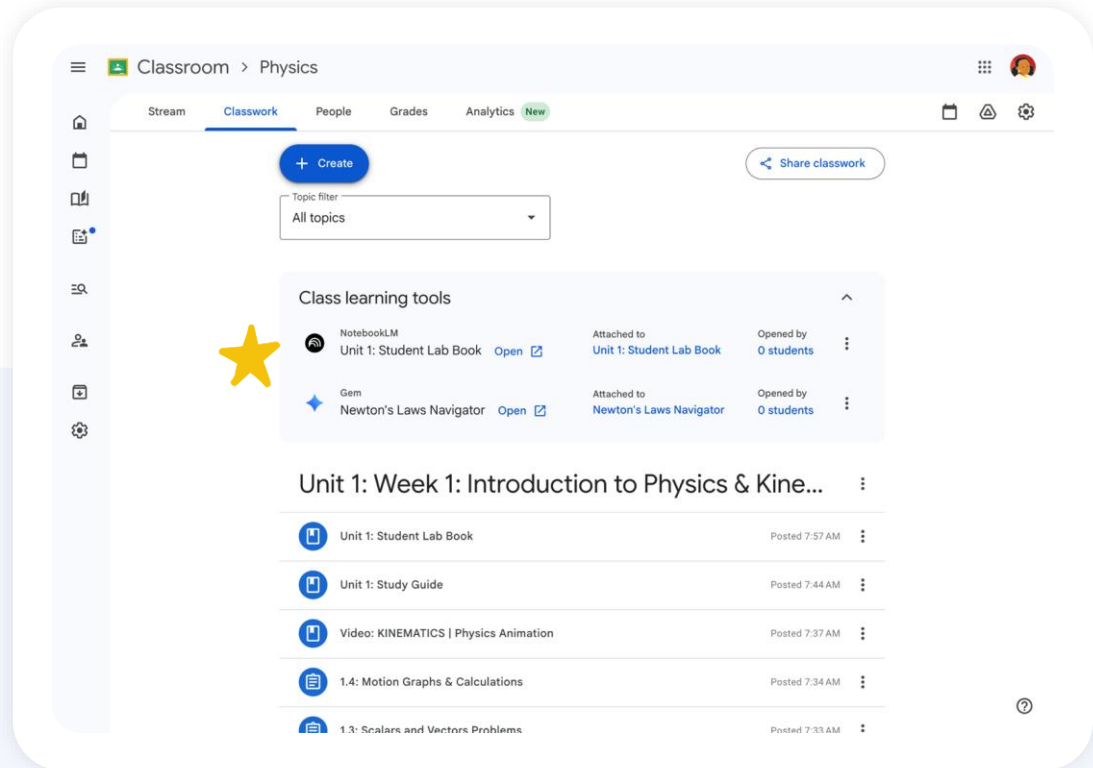


Keep highlighted resources at the top of the page

Create persistent, on-demand support tools that students can access anytime they need help or want to dive deeper into a topic.

You can now highlight AI learning tools, like a student lab notebook or a helpful Gem, in a dedicated “Class learning tools” section by checking the **“Highlight at top of class”** box on the assignment.

This new section appears at the very top of the **“Classwork”** tab, above all of your units and topics. This makes your resources **always visible** and easily accessible, ensuring students don’t have to scroll through weeks of posts to find the tools they need most.



Class-level resources in action

Provide highlighted class learning resources at the top of the 'Classwork' tab for students to access throughout an entire unit.

Example use case: The interactive lab companion

The teacher creates a highlighted **Unit 1: Student Lab Book** notebook, allowing students to instantly ask questions about lab procedures, clarify safety rules, and get summaries of key concepts directly from the core **resources the teacher provided**.

The screenshot shows the NotebookLM interface for a notebook titled "Unit 1: Student Lab Book". On the left, there is a "Sources" panel with a list of 11 sources, including "10th Grade Physics - Student...", "High School Physical Sciences...", "Unit 1 study guide", and various weekly topics. The main "Chat" area displays the title and a summary of the sources, stating they collectively outline a comprehensive 10th-grade physics curriculum. Below the chat, there are buttons for "Save to note", "Add note", "Audio Overview", and "Mind Map". A text input field at the bottom contains the prompt: "What fundamental scientific practices and core ideas will guide our physics...". On the right, a "Studio" panel offers options like "Audio Overview", "Video Overview", "Mind Map", and "Reports".

NotebookLM

Example use case: Newton's Laws Navigator

To help students connect theory to the real world, a teacher can build a **Newton's Laws Navigator** Gem, grounded in the **resources the teacher provided and the web**, to provide students with an on-demand expert to answer questions and explain concepts like inertia and $F=ma$ using relevant, everyday examples.

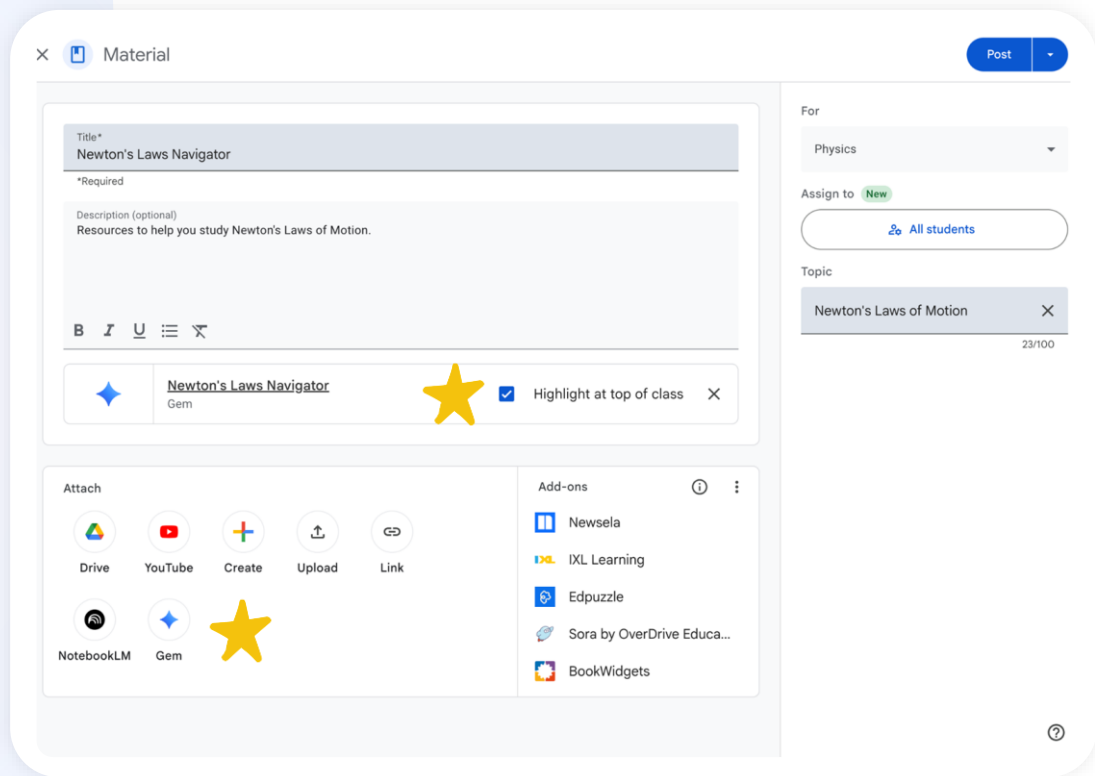
The screenshot shows the Gemini interface for a Gem titled "Newton's Laws Navigator". The interface includes a "Recent" list with items like "Inertia in Hockey" and "Hockey Puck Physics Inquiry". At the bottom, there is a text input field with the placeholder "Enter a prompt for Gemini" and a "Tools" button.

Gem

Posting to the Classwork tab

You can post a notebook or Gem as a highlighted, class-level resource for your students to easily access.

1. In the “**Classwork**” tab, click “**+ Create**” and select “**Material**”.
2. Add a title (for example, “Newton’s Laws Navigator”) and a brief description for your students.
3. Under “**Attach**”, select the **NotebookLM** or **Gem** icon and choose the specific resource you want to share. (You can also create a new resource if you haven’t already done so.)
4. Once attached, select the checkbox next to “**Highlight at top of class**”.
5. Assign a topic and click “**Post.**” The material will now appear in its topic section and as a highlighted resource at the top of the “**Classwork**” tab.



Get insights into student use

Teachers can easily see which students have opened any assigned notebook or Gem, giving teachers a quick way to gauge engagement with their AI-powered resources.

- An “**Opened by**” status appears next to any assigned notebook or Gem, showing a live count of how many students have accessed it.
- You can find this status on **highlighted class-level resources** at the top of the “**Classwork**” tab, and also on resources **attached to individual assignments** within your topics.
- Click the status link (for example, “1 student”) from either location to open an insight.
- This insight shows a list of students sorted into who has “**Opened**” and who has “**Not opened**” the resource, allowing you to quickly see who might need a reminder.

The screenshot displays the Google Classroom interface. At the top, a 'Class learning tools' section lists two resources:

- NotebookLM**: Unit 1: Student Lab Book. Status: Opened by 1 student.
- Gem**: Newton's Laws Navigator. Status: Opened by 0 students.

An insight modal is open for 'Unit 1: Student Lab Book', showing the following details:

- Title: Open status for "Unit 1: Student Lab Book"
- Disclaimer: This information only reflects activity for attachments within Classroom and is not representative of student performance.
- Posted: 7:57 AM
- View material link
- Opened (1): Miguel Lopez (Last opened Today)
- Not opened (8): Alex Ko (Not opened), Allen Shapiro (Not opened)
- Close button

The background shows a list of classroom materials including 'Unit 1: Study Guide' and 'Video: KINEMATICS | Physics Animation'.

Student experience

When students open an assigned notebook or Gem, they receive a curated, “**view only**” experience. This allows them to freely ask questions and interact with the content you’ve provided, but they can’t add, edit, or delete source materials.

Any learning aids you create for them in the “**Studio**” pane – such as **study guides, Mind Maps, and Audio Overviews** – will be visible and ready for them to use, allowing all students access to the resources you’ve generated.

The screenshot displays a user interface for a physics unit titled "Unit 1: Student Lab Book". The interface is divided into three main sections:

- Sources:** A list of 11 sources, each with a checkmark indicating it is selected. The sources include:
 - 10th Grade Physics - Student Lab B...
 - High School Physical Sciences Fram...
 - Unit 1 study guide
 - Week 1: Introduction to Physics & Ki...
 - Week 2: Dynamics - Forces and New...
 - Week 3: Work, Energy, and Power
 - Week 4: Momentum and Collisions
 - Week 5: Thermal Physics - Heat and ...
 - Week 6: Waves - Properties and Beh...
 - Week 7: Light and Optics
 - Week 8: Electricity and Magnetism - ...
- Chat:** A chat window with a green pencil icon. The title is "Unit 1: Student Lab Book" with "11 sources" listed below. The main text reads: "These sources collectively outline a comprehensive 10th-grade physics curriculum, focusing on both theoretical concepts and practical application. The '10th Grade Physics - Student Lab Book' emphasizes the importance of meticulous record-keeping and safety in experiments, serving as a guide for students' hands-on learning. The 'High School Physical Sciences Framework' details the key scientific practices students will develop, such as modeling and data analysis, alongside core physical science ideas spanning matter, motion, energy, and waves. Complementing these, the 'Unit 1 study guide' and weekly overviews (Weeks 1-8) provide a structured progression through fundamental physics topics, including kinematics, dynamics, energy, momentum, thermal physics, waves, light, electricity, and magnetism, complete with essential questions, vocabulary, and skills to master for each unit." Below the text is a text input field with "Start typing..." and "11 sources" on the right, and a search bar containing the text "What fundamental scientific practices and core ideas will guide our physics learning".
- Studio:** A panel on the right showing a list of studio outputs. A green notification banner at the top states: "These studio outputs give an in-depth visual and audio overview of the notebook topic!". The list includes:
 - 10th Grade Physics: Core... (11 sources - 1m ago)
 - From Lab Books to... (11 sources - 1m ago)
 - Demystifying Physics (11 sources - 11m ago)
 - Physics Fundamentals: Unit 1... (Study guide - 11 sources - 23m ago)

Student experience

Students can access the “**Class learning tools**” highlighted at the top of their “**Classwork**” tab. The tool loads in a new tab when clicked. **Example use cases:**

- **Interactive Lab Companion (NotebookLM):** When a student is prepping for an experiment and asks a question – like “What are the safety rules for this lab?” or “Can you find every mention of velocity?” – the **Interactive Lab Companion** provides a direct, concise answer pulled exclusively from the official **Student Lab Book**. All answers include citations, so students can see exactly where the information came from, making it a reliable single source of truth for all lab work.
- **Newton’s Laws Navigator (Gem):** When a student asks a conceptual question – like “How does inertia apply to hockey?” – the **Newton’s Laws Navigator Gem** avoids giving a direct definition. Instead, it uses its grounded sources to respond with a targeted, guiding question like “Think about the puck before the game starts. What has to happen for it to move? Once it’s sliding on the ice, what forces are trying to slow it down?” This helps the student use real-world scenarios to build their own understanding of the

The screenshot shows the Google Classroom interface for a 'Physics' class. The 'Classwork' tab is selected, and a 'Class learning tools' section is highlighted with a yellow star. This section lists two tools: 'NotebookLM' (Unit 1: Student Lab Book) and 'Gem' (Newton's Laws Navigator). Below this, a list of classwork items is visible, including 'Unit 1: Student Lab Book', 'Unit 1: Study Guide', and a video titled 'Video: KINEMATICS | Physics Animation'.

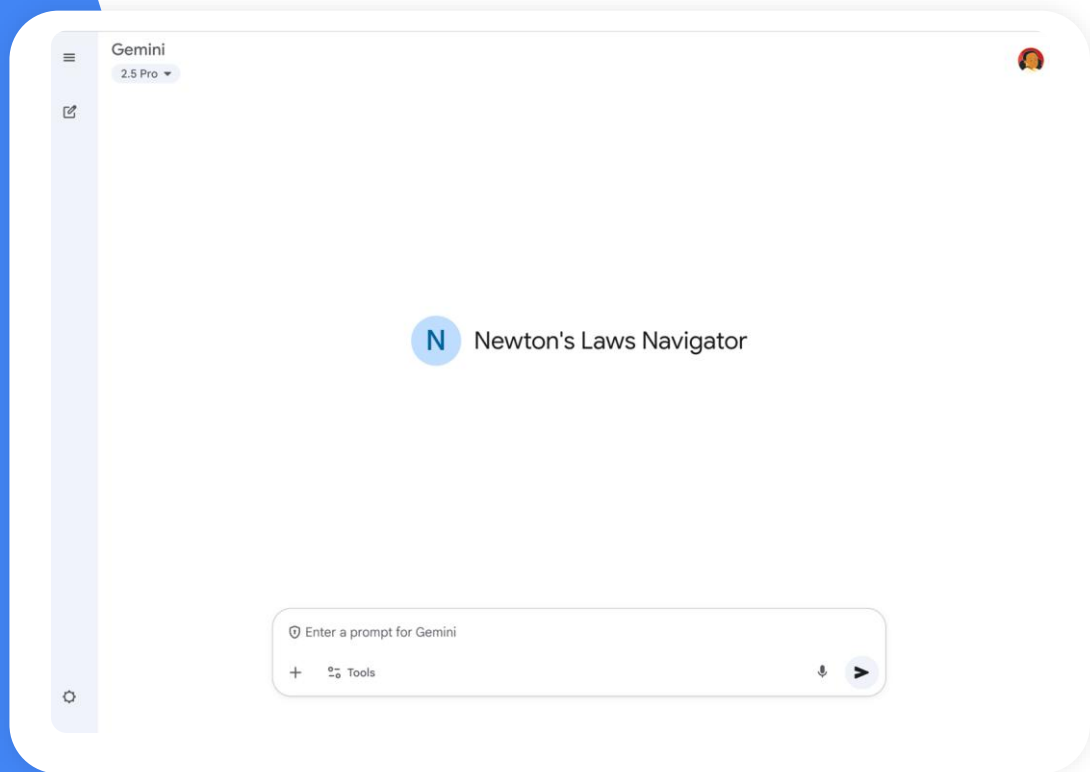
[Discover how we're grounding AI in learning science](#)

Student experience

Using the 'Study partner' Gem

Students can access the Gem attached to the top of their “Classwork” tab. Gemini for Education loads in a new tab when clicked. **Example use cases:**

- **For conceptual help:** When a student asks a conceptual question – for example, “Why don’t action-reaction forces cancel out?” – the Gem avoids giving a direct answer. Instead, it responds with a targeted, Socratic question that helps the student break down the problem and use their own knowledge to arrive at the solution.
- **For problem-solving:** When a student asks for help with a specific problem, the Gem first initiates a short, diagnostic conversation to understand the student’s grade level and current thinking. It will ask what the student has already tried or which formula they think applies before starting to guide them through the problem-solving process.

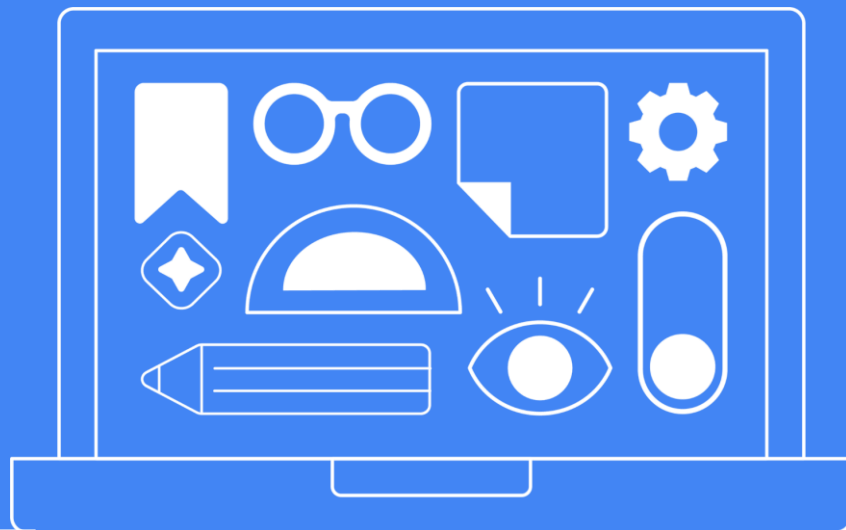


[Discover how we're grounding AI in learning science](#)

Available in the coming weeks

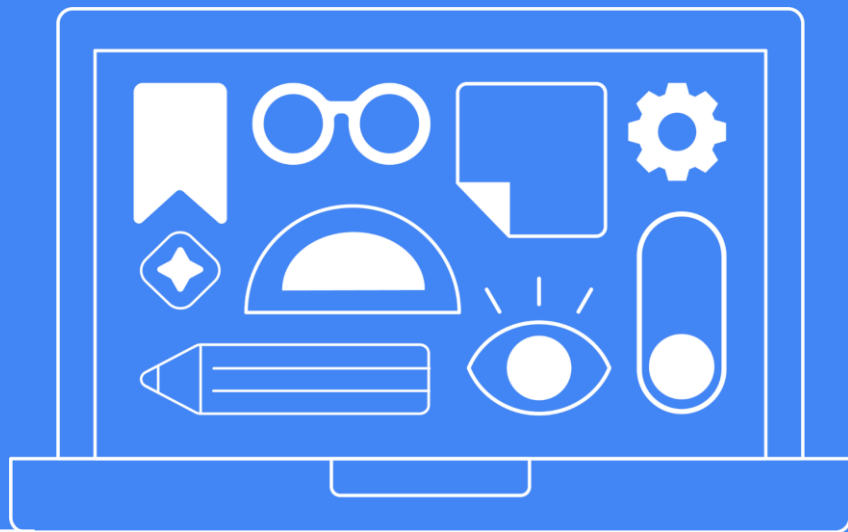
Google Classroom app in Gemini

Tackle time-consuming tasks using context from your classes to inform Gemini outputs, or help complete tasks.



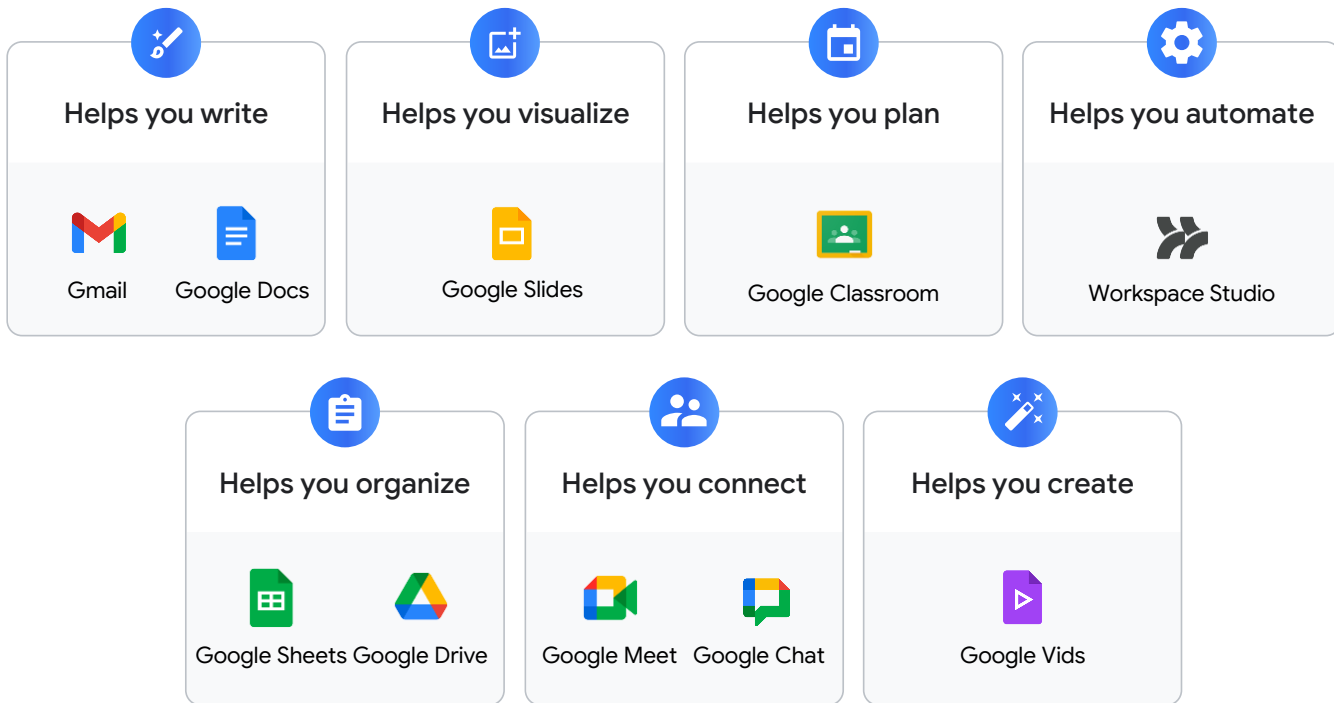
Gemini in Workspace

Unlock the power of Gemini as
your assistant across Google
Workspace for Education tools



Bringing together the power of Gemini with the collaboration and productivity benefits of Workspace

Gemini in Workspace embeds generative AI into the tools you're already using every day



Gemini in Workspace availability varies by Google Workspace for Education edition

Gemini in Workspace	Education Fundamentals (free of charge)	Education Plus (paid)	Google AI Pro for Education (paid add-on)
Workspace Studio	✓	Expanded access	Highest access
Gemini in Gmail	Coming soon	Coming soon	Expanded access
Gemini in Docs	-	Coming soon	✓
Gemini in Slides	-	Coming soon	✓
Gemini in Sheets	-	Coming soon	✓
Gemini in Forms	-	Coming soon	✓
Gemini in Vids	-	✓	✓
Gemini in Meet	-	-	✓
Gemini in Drive	-	-	✓
Gemini in Chat	-	-	✓

Improve productivity with Gemini in the side panel of your apps



Unlock the power of your Drive files

Through the side panel, Gemini can assist you with summarizing, analyzing, and generating content by using insights gathered from your emails, documents, and more.



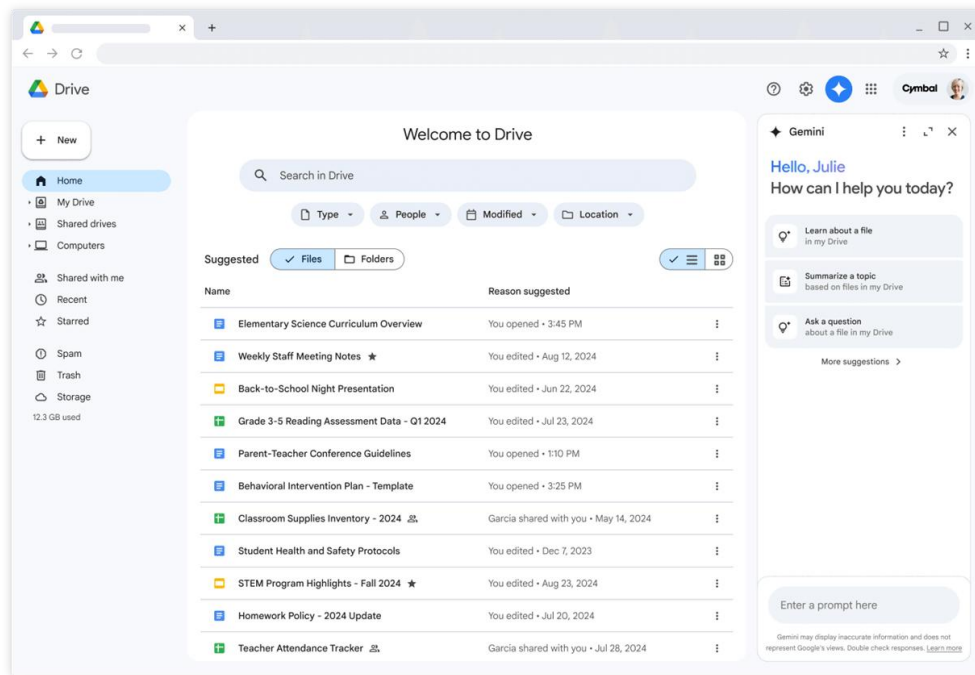
Access Gemini from wherever you're working

Quickly get help from Gemini right in the side panel of your apps – all without switching applications or tabs.



View suggested prompts and automatic summaries

Gemini automatically summarizes the content you're working on and provides contextually relevant prompts to help you get started.



Create informative videos

Prompt

Acting as a marketing director, help me create a promotional video announcing a new STEM program at my academy.

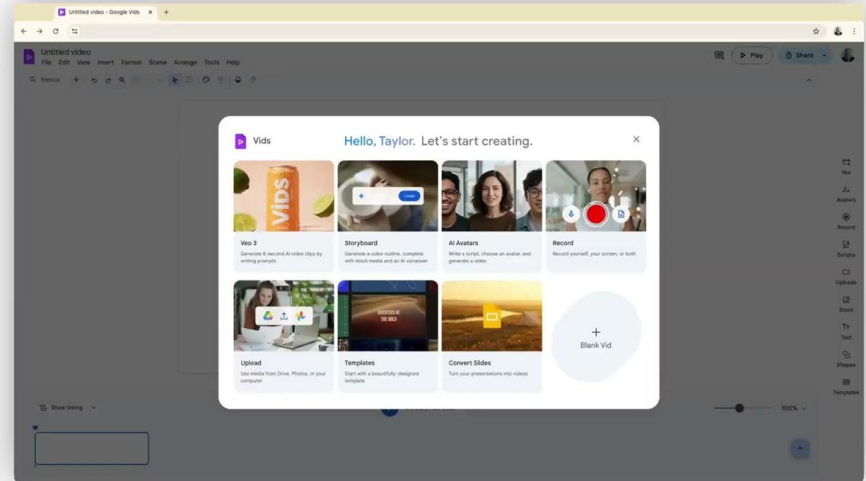


Tip

Use Veo 3.1 to bring your vision to life and generate original videos with audio.

Great for

Informational videos, school announcements, and more.



Recap email threads and draft responses

Prompt

Summarize this email thread and provide a suggested reply with next steps.

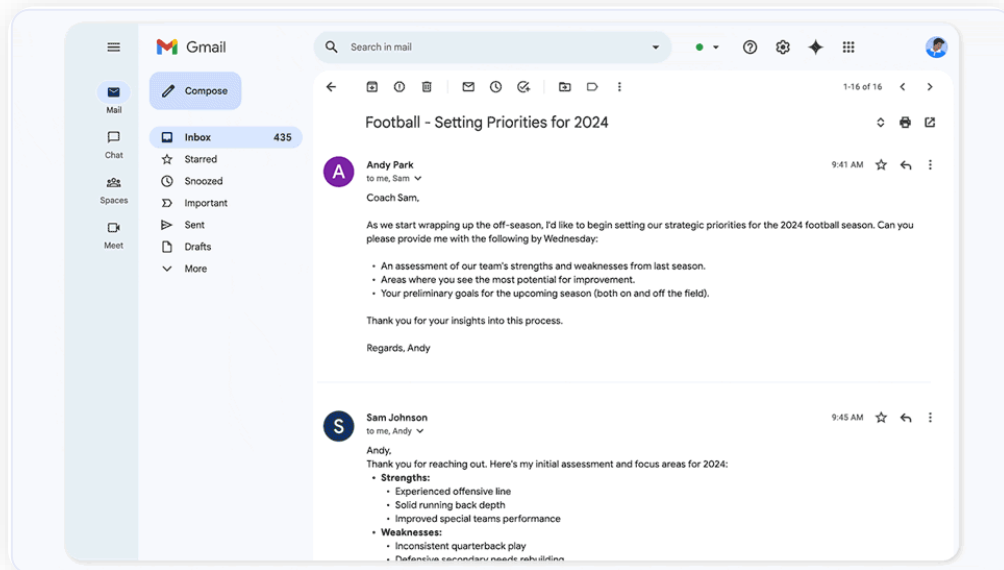


Tip

Refine the email for tone and length.



Quickly catching up on long email threads and drafting professional, actionable replies without losing the key context.





Generate draft forms based on content from your Drive

Prompt

Create a quiz testing the second module of @[name of your document from Drive]. Add two short-answer questions about Newton's second law.

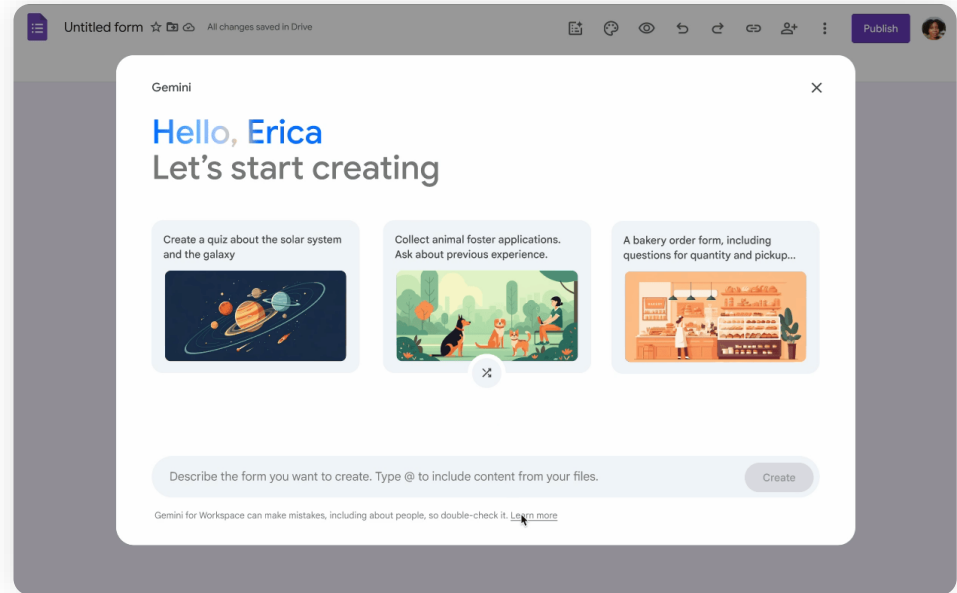


Tip

Refine the form by specifying question types (for example, change short-answer to multiple-choice). Adjust the number of questions generated or their level of complexity.

Great for

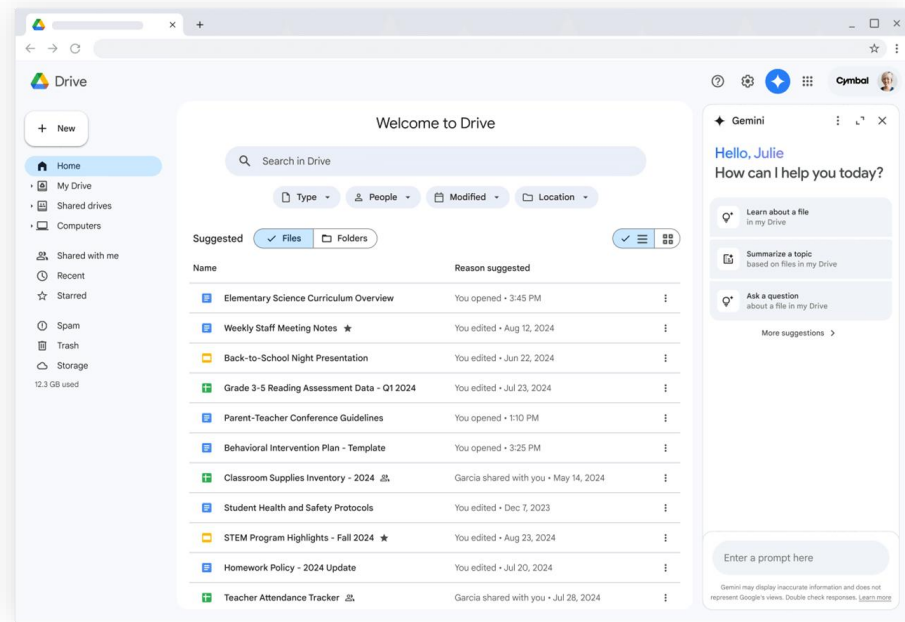
Rapidly creating registration forms, surveys, or quizzes based on existing content stored in Drive.



Summarize key info from Drive files

Prompt

I'm just returning from vacation. What are the key takeaways from the last 3 weeks of staff meetings in @[the Weekly Staff Meeting Notes doc from Drive].



Tip

Use @ to reference specific files if needed.



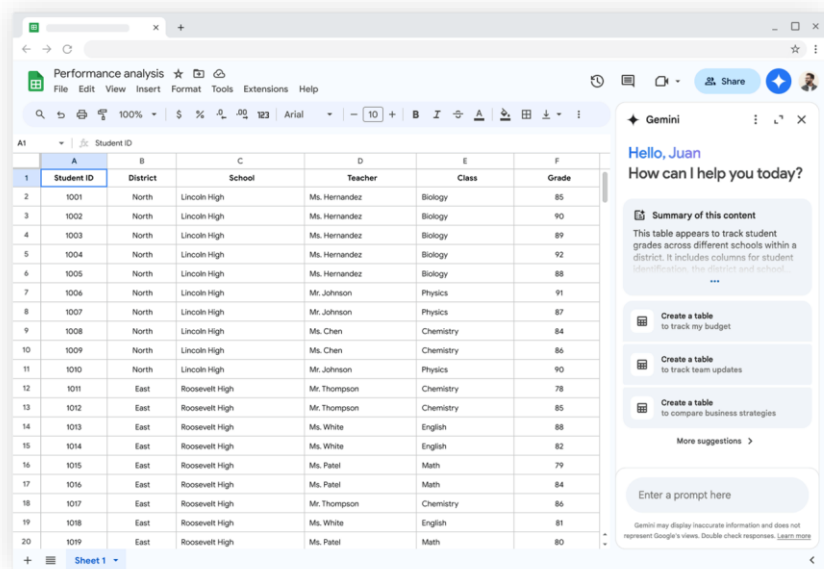
Great for

Quickly getting up to speed and pulling insights from across your Drive.

Analyze student data with a formula

Prompt

Create a formula that calculates the average grade for all students.



The screenshot shows a Google Sheets spreadsheet titled "Performance analysis" with a table of student data. The Gemini AI interface is open on the right, displaying a greeting and several suggestions for data analysis.

Student ID	District	School	Teacher	Class	Grade
1001	North	Lincoln High	Ms. Hernandez	Biology	85
1002	North	Lincoln High	Ms. Hernandez	Biology	90
1003	North	Lincoln High	Ms. Hernandez	Biology	89
1004	North	Lincoln High	Ms. Hernandez	Biology	92
1005	North	Lincoln High	Ms. Hernandez	Biology	88
1006	North	Lincoln High	Mr. Johnson	Physics	91
1007	North	Lincoln High	Mr. Johnson	Physics	87
1008	North	Lincoln High	Ms. Chen	Chemistry	84
1009	North	Lincoln High	Ms. Chen	Chemistry	86
1010	North	Lincoln High	Mr. Johnson	Physics	90
1011	East	Roosevelt High	Mr. Thompson	Chemistry	78
1012	East	Roosevelt High	Mr. Thompson	Chemistry	85
1013	East	Roosevelt High	Ms. White	English	88
1014	East	Roosevelt High	Ms. White	English	82
1015	East	Roosevelt High	Ms. Patel	Math	79
1016	East	Roosevelt High	Ms. Patel	Math	84
1017	East	Roosevelt High	Mr. Thompson	Chemistry	86
1018	East	Roosevelt High	Ms. White	English	81
1019	East	Roosevelt High	Ms. Patel	Math	80

Gemini
Hello, Juan
How can I help you today?

- Summary of this content
This table appears to track student grades across different schools within a district. It includes columns for student identification, the district and school.
- Create a table to track my budget
- Create a table to track team updates
- Create a table to compare business strategies

More suggestions >

Enter a prompt here

Gemini may display inaccurate information and does not represent Google's views. Double check responses. [Learn more](#)



Tip

After generating the formula, ask Gemini to summarize your spreadsheet or visualize your data using a table or chart.

Great for

Automating routine data tasks and turning raw numbers into clear insights for planning, reporting, or intervention support.

Automatically capture and summarize meeting notes with Gemini in Meet

Gemini in Meet takes notes for you. Just click the Gemini pencil icon once you're in the meeting. Afterward, you'll get a link to a Docs file in your inbox with a summary, key discussion points, and suggested next steps, so you can stay fully present and take action later.



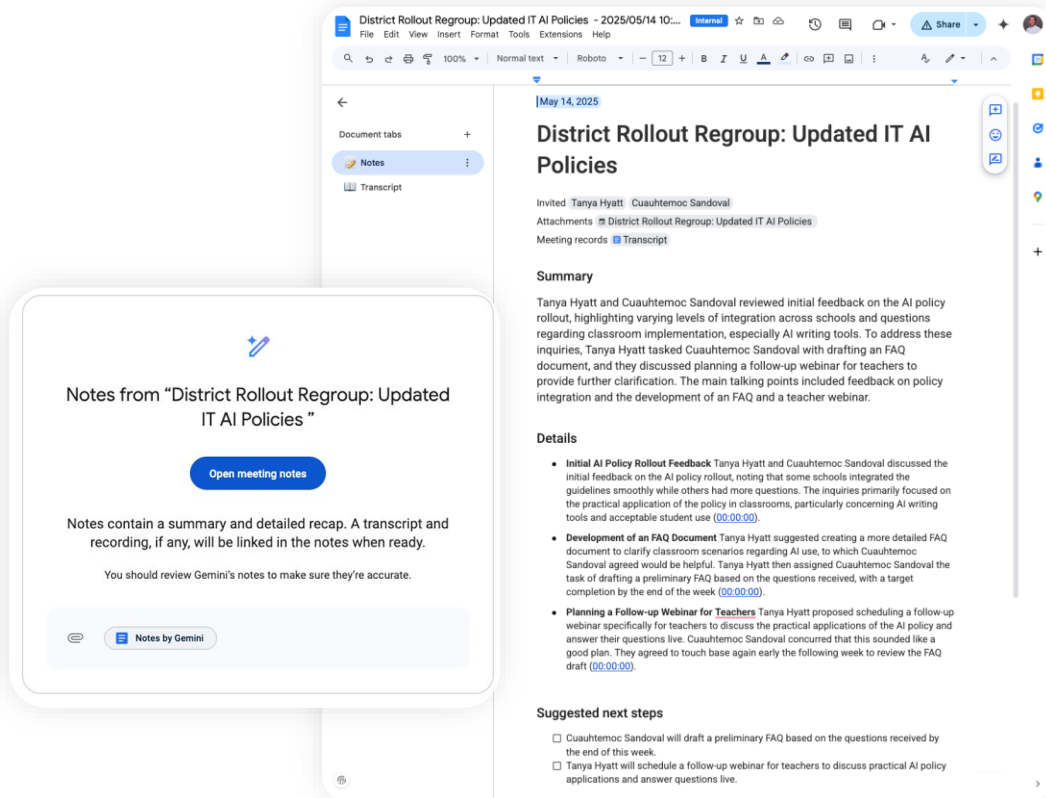
Tip

Use the **Suggested next steps** section to delegate follow-up tasks by tagging team members, or leave comments directly in the Docs file to align on decisions and deadlines together.



Great for

Staying fully present in meetings, eliminating manual note-taking, and turning conversations into actionable plans.



The screenshot shows a Google Docs interface for a document titled "District Rollout Regroup: Updated IT AI Policies" dated May 14, 2025. The document content includes a summary and details of a meeting. A Gemini-generated notes overlay is displayed in the foreground, featuring a pencil icon and the text: "Notes from 'District Rollout Regroup: Updated IT AI Policies'", "Open meeting notes", "Notes contain a summary and detailed recap. A transcript and recording, if any, will be linked in the notes when ready.", and "You should review Gemini's notes to make sure they're accurate." Below the overlay is a "Notes by Gemini" button. The document content includes sections for "Summary", "Details", and "Suggested next steps".

Summary

Tanya Hyatt and Cuahtemoc Sandoval reviewed initial feedback on the AI policy rollout, highlighting varying levels of integration across schools and questions regarding classroom implementation, especially AI writing tools. To address these inquiries, Tanya Hyatt tasked Cuahtemoc Sandoval with drafting an FAQ document, and they discussed planning a follow-up webinar for teachers to provide further clarification. The main talking points included feedback on policy integration and the development of an FAQ and a teacher webinar.

Details

- Initial AI Policy Rollout Feedback** Tanya Hyatt and Cuahtemoc Sandoval discussed the initial feedback on the AI policy rollout, noting that some schools integrated the guidelines smoothly while others had more questions. The inquiries primarily focused on the practical application of the policy in classrooms, particularly concerning AI writing tools and acceptable student use (00:00:00).
- Development of an FAQ Document** Tanya Hyatt suggested creating a more detailed FAQ document to clarify classroom scenarios regarding AI use, to which Cuahtemoc Sandoval agreed would be helpful. Tanya Hyatt then assigned Cuahtemoc Sandoval the task of drafting a preliminary FAQ based on the questions received, with a target completion by the end of the week (00:00:00).
- Planning a Follow-up Webinar for Teachers** Tanya Hyatt proposed scheduling a follow-up webinar specifically for teachers to discuss the practical applications of the AI policy and answer their questions live. Cuahtemoc Sandoval concurred that this sounded like a good plan. They agreed to touch base again early the following week to review the FAQ draft (00:00:00).

Suggested next steps

- Cuahtemoc Sandoval will draft a preliminary FAQ based on the questions received by the end of this week.
- Tanya Hyatt will schedule a follow-up webinar for teachers to discuss practical AI policy applications and answer questions live.

Generate tiered exit ticket questions

Prompt

Act as a middle school science teacher. Write three exit ticket questions on photosynthesis for a 7th-grade class: one recall, one application, and one analysis-level question. Keep the language student-friendly and age-appropriate.



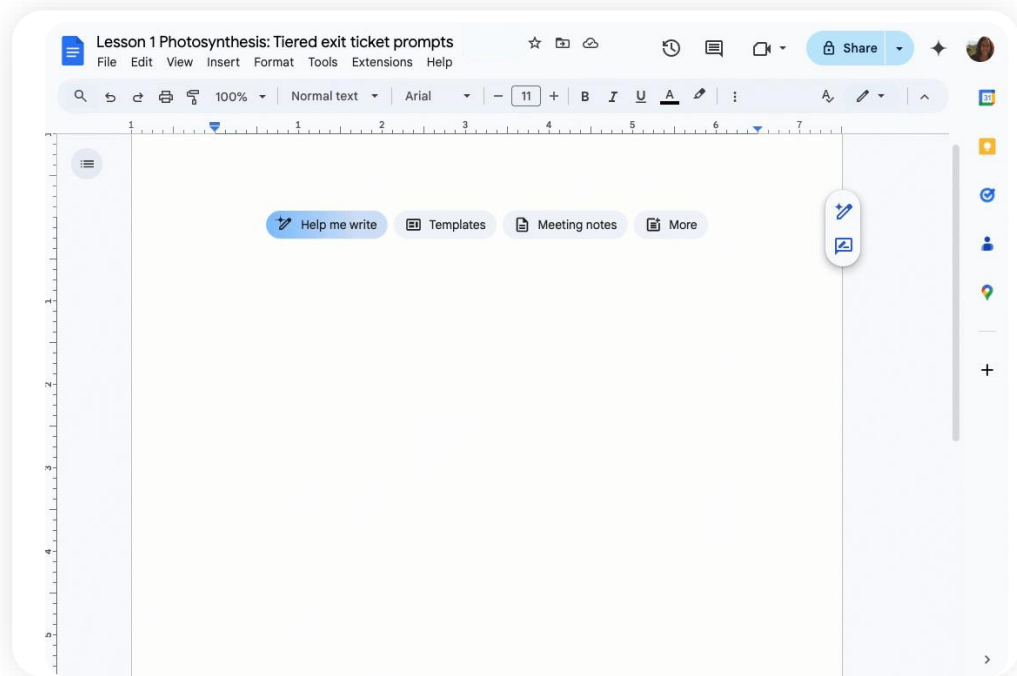
Tip

Before clicking “Insert”, use “Refine” to adjust tone or length, or choose “Elaborate” to add context and depth to each question.



Great for

Quick, differentiated exit tickets to check for understanding at multiple levels – without starting from scratch.

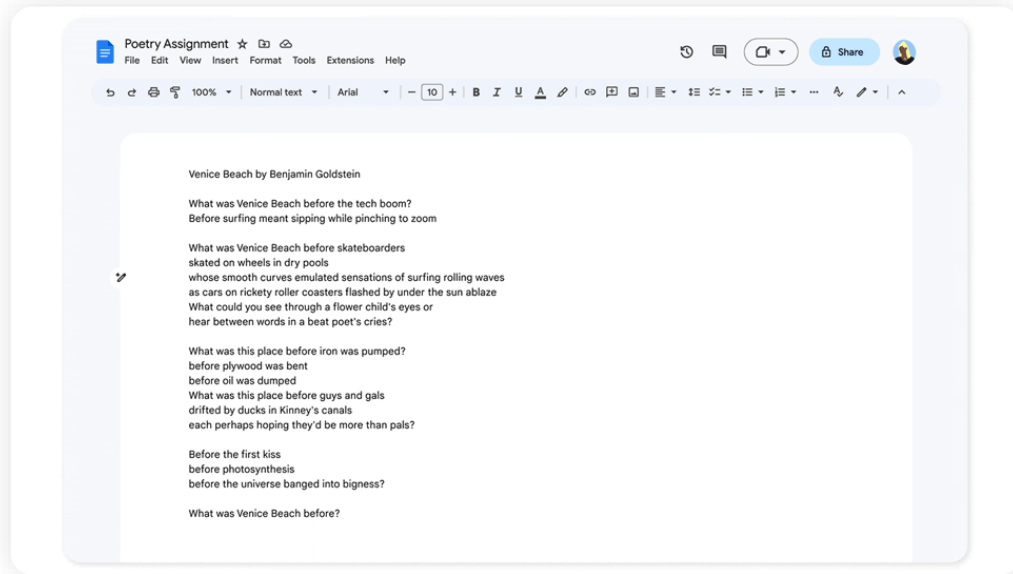




Provide tailored feedback in Docs

Prompt

Here is an assignment a student of mine wrote for a high school poetry class. Acting as the class teacher, provide tailored feedback for this student's assignment.



Tip

It is important to always review Gemini's output and add your own thoughts, especially when using it for feedback.

Great for

Saving time while giving each student meaningful, differentiated feedback that supports their growth.

Create custom visuals for instruction

Prompt

Create an illustration for a summer science program. Include elements of physics, biology, and chemistry, and incorporate white and olive green.



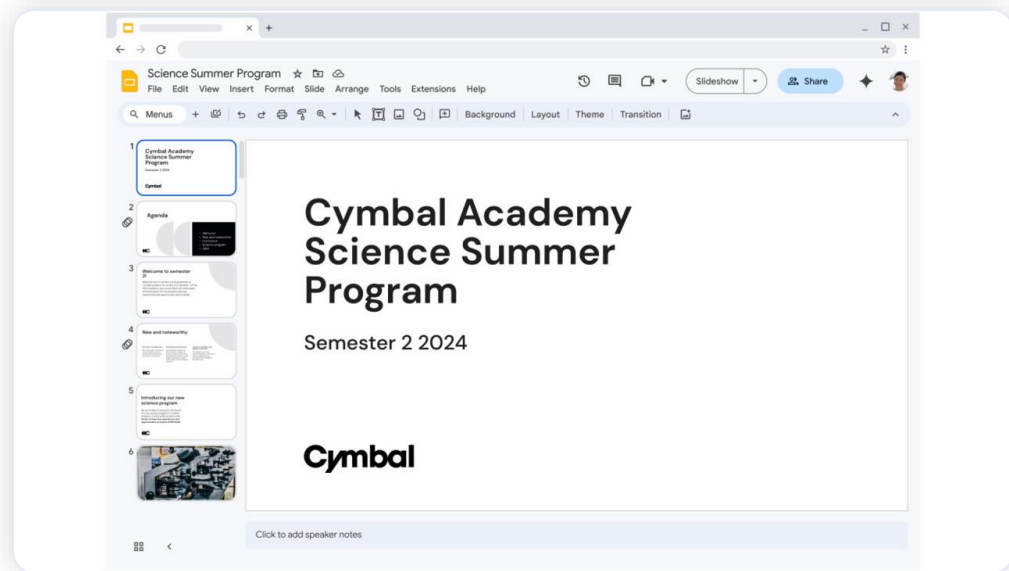
Tip

Click “Add a style” and select from the options provided to customize the look and feel.



Great for

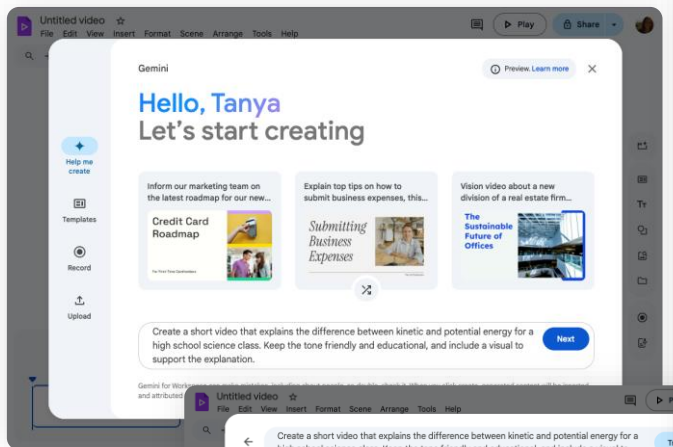
Creating custom visuals to add to your slides.



Create a concept explainer video in Vids

Prompt

Create a short video that explains the difference between kinetic and potential energy for a high school science class. Keep the tone friendly and educational, and include a visual to support the explanation.



Script

Kinetic energy is all about motion. If something is moving, it has kinetic energy. Think of a car speeding down a highway or someone running a race. They both possess kinetic energy because they are in motion.

Record myself

Generate the voiceover



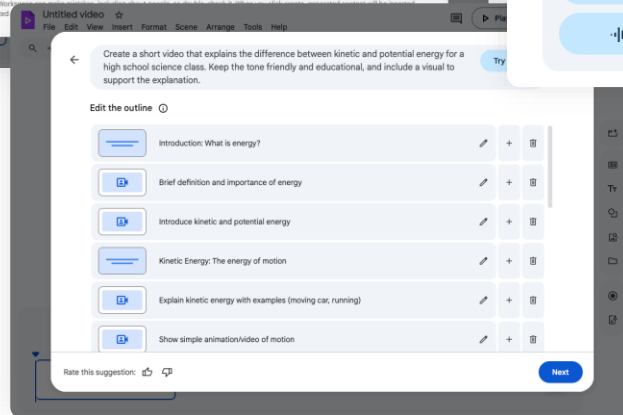
Tip

Use the @ symbol to pull in your notes, lesson plan, or a lab doc from Drive to help Gemini tailor the explanation.



Great for

Creating quick, reusable video explainers that support flipped learning, warm-ups, reteaching, or small group review.



Create a unit-pacing guide in Docs

Prompt

Help me create a pacing guide for a 4-week, 11th grade high school physics unit on waves and energy. Include weekly learning goals, daily activities, and essential questions.



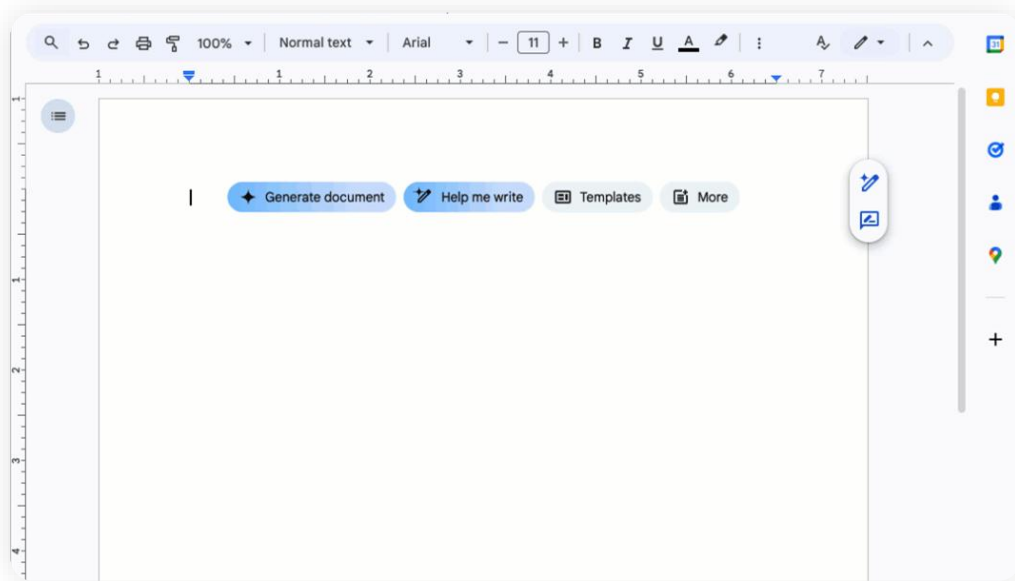
Tip

You can guide the response further by selecting “**Refine**” or “**Refine with a prompt.**”



Great for

Jump-starting unit planning with clear structure and learning targets, collaborative planning, and aligning weekly instruction with essential questions and learning goals.



Draft a grant proposal from a source doc

Prompt

I'm applying for a grant to upgrade the science equipment in our chemistry labs. Help me create a grant proposal based off of @[a Docs resource in your Drive].



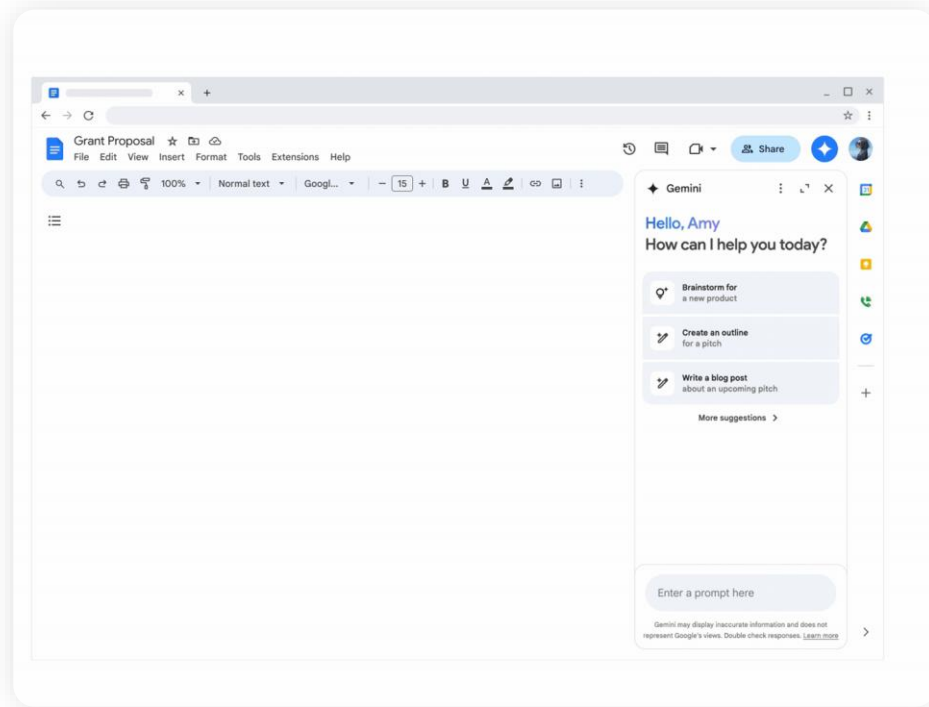
Tip

Ask Gemini to organize the proposal into key sections like project overview, goals, justification, and budget.



Great for

Turning detailed documents into professional proposals or formal writing.



AI literacy resources



Get started

Explore our range of guides, courses, certifications, and learning resources available at no cost.

goo.gle/genai-resources →

Google for Education

Get started with Gemini

Digital resources to help support your education institution

Explore our range of guides, courses, and learning resources available at no cost.



Trainings and certifications

[Get Started with Google AI in K-12 Education](#)

Learn how to use Gemini and NotebookLM to save time and create captivating learning experiences.

[Get Started with Google AI in Higher Education](#)

Discover how to use Gemini and NotebookLM to enhance research, streamline administration, and accelerate innovation.

[Generative AI for Educators](#)

Transform your teaching with tips on how to use gen AI tools to save time, personalize instruction, and creatively enhance your lessons.

[Gemini Academy](#)

Amplify your teaching with this in-person program that provides training on how to use gen AI safely and elevate your creativity and productivity with Gemini.

[Prompting Essentials certification](#)

Get certified in how to prompt generative AI tools in five easy steps.

[AI Essentials certification](#)

Learn how to get certified in using AI to speed up daily tasks, make more informed decisions, and more.

[Become a Gemini Certified Educator](#)

Proof of AI mastery for lesson plans tailed for all ages and learning levels.

[Become a Gemini Certified Faculty Member](#)

Master AI to streamline research, help with grading, and pioneer future-ready classrooms for the next generation.

[Become a Gemini Certified Student \(Higher Ed\)](#)

For those 18+, show recruiters you're ready for anything - including the future.

[Become a Gemini Certified Student \(K-12\)](#)

Level up your transcripts with a Google certificate designed for those ages 13-17.



Guides

[Gemini and NotebookLM enablement kit](#)

Find what you need to activate, inspire, and grow Gemini and NotebookLM use in your education community - all in one place.

[100+ ways to use Gemini and NotebookLM](#)

Explore how educators and students can use Gemini and NotebookLM with suggested prompts.



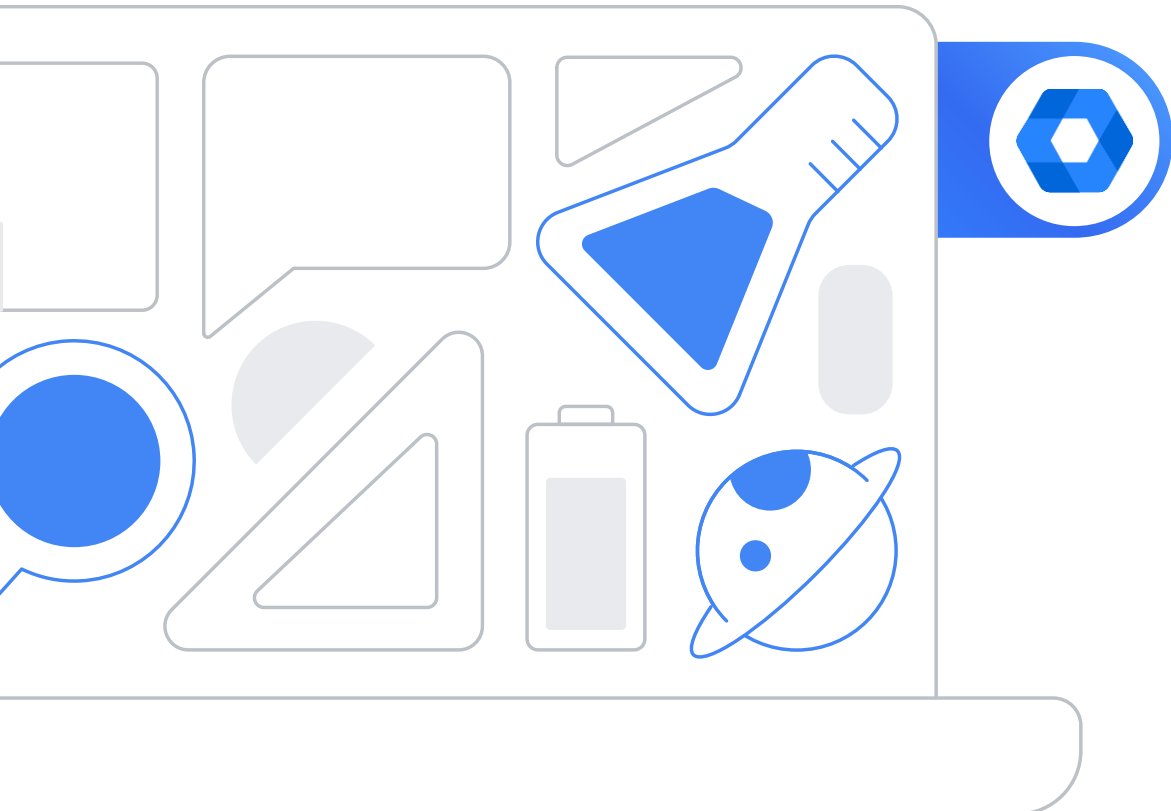
Try the [Gemini app](#) and [NotebookLM](#) today

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Google for Education

Admin setup





Admins can manage who has access to the Gemini app and NotebookLM in Admin console

Manage access to the [Gemini app](#) and [NotebookLM](#) for students, faculty, and staff in Admin console.

Gemini in Workspace is simple for IT admins to set up



1

Purchase Google AI Pro for Education as an add-on to your existing Google Workspace for Education edition.

2

[Assign](#) Google AI Pro for Education licenses to educators and students 18+.

3

Ensure Gemini in Workspace is [turned on](#) in Admin console.

4

Once licenses are assigned, your users can get started with Gemini in Workspace right away.