



Gemini Gems and Skills Transition Guide

Moving from Gems to skills in Gemini, and other AI tools in Google Classroom and third-party Learning Management Systems

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Familiar with Gems? Here's what you need to know about skills.

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Evolving from Gems to new teacher-led AI in Google Classroom

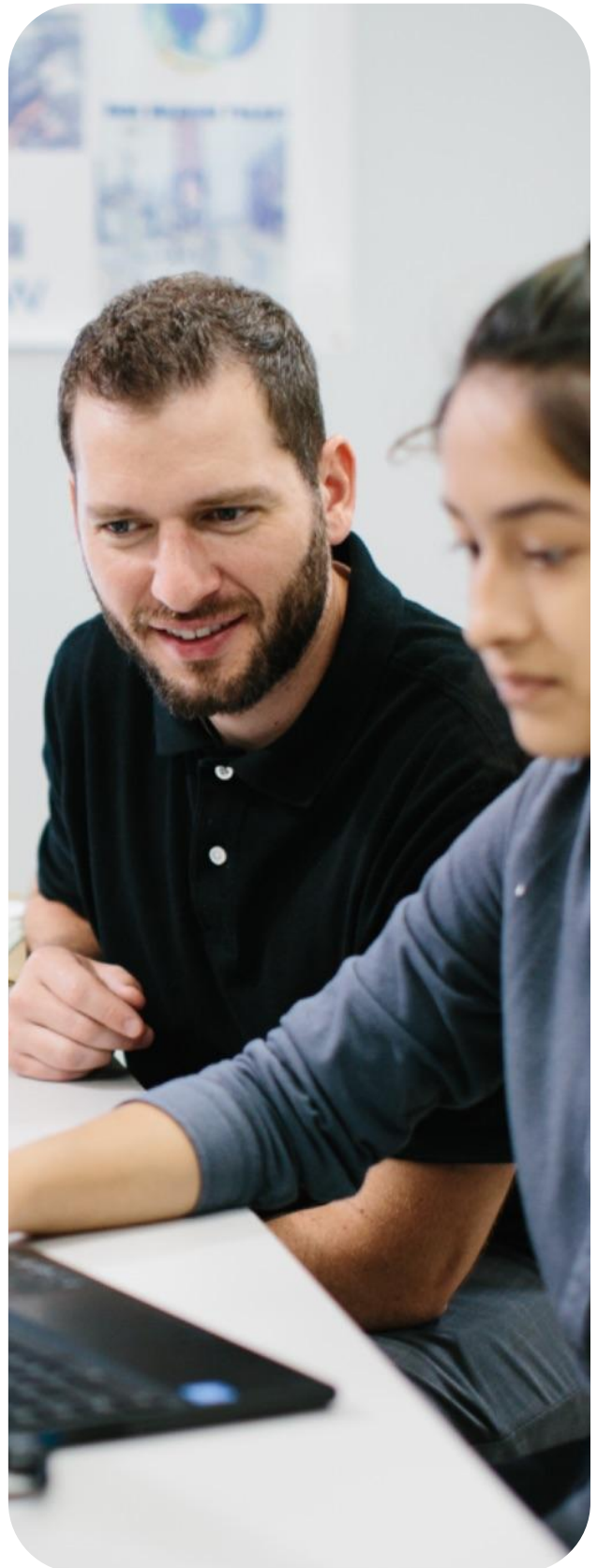
If you're using Google Classroom, discover new AI features beyond Gems.

- 07 Supporting student success with teacher-led AI tools

Part 4

The next phase of teacher-led AI in Gemini LTI™

If you're using Gemini LTI™ discover new AI features beyond Gems.



Using skills in the Gemini app

Gems are transitioning to skills in the Gemini app, which are rolling out soon for educators, staff, and students of all ages.



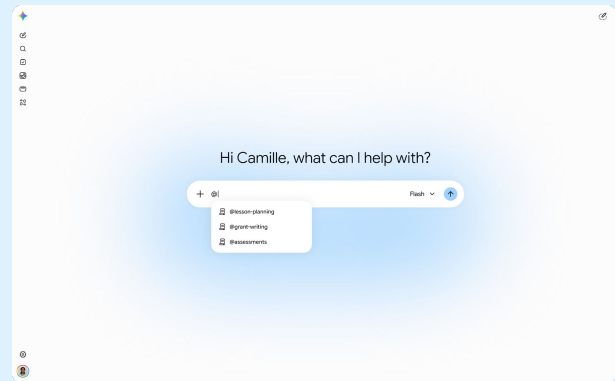
Speed up your most repetitive tasks with **skills in Gemini**

Like Gems, skills are custom, reusable instructions that teach Gemini to handle repetitive tasks just like you would – so you don't have to prompt from scratch every time. Skills have added functionality that can make them even more helpful.



Skills: A more flexible way to customize Gemini

Whether you're drafting course syllabi or a weekly newsletter, skills offer a more flexible evolution of Gems. You can now bake your tone, educational standards, and formatting right into your main Gemini chat for a seamless experience – or even ask Gemini to help you build and refine new skills directly from your conversation.



What's new?



Use skills in any chat

Bring specialized guidance into any conversation without switching contexts. Simply type “@” in any active chat to pull up a skill.



Get context-aware support

Let Gemini anticipate your needs. Skills can activate automatically based on the context and intent of your prompt to streamline daily administrative and instructional workflows.



Use multiple skills at once

Tackle complex tasks by using multiple skills in one chat. For example, you can create a [@citation-checker](#) skill alongside a [@journal-style-guide](#) skill to review research drafts in one pass.

Your guide to using skills

A Navigate to the skills page.

You can easily access **skills** in the **settings** menu at the bottom of the left sidebar. Think of the skills manager page as your control center, where you can see your skills all in one place and easily edit them or create new ones.

B Create custom skills to meet your unique needs.

You can create a skill with help from Gemini, build one from a prefilled or blank template, or upload a skill.md file on the skills page. You can also start one from any chat.



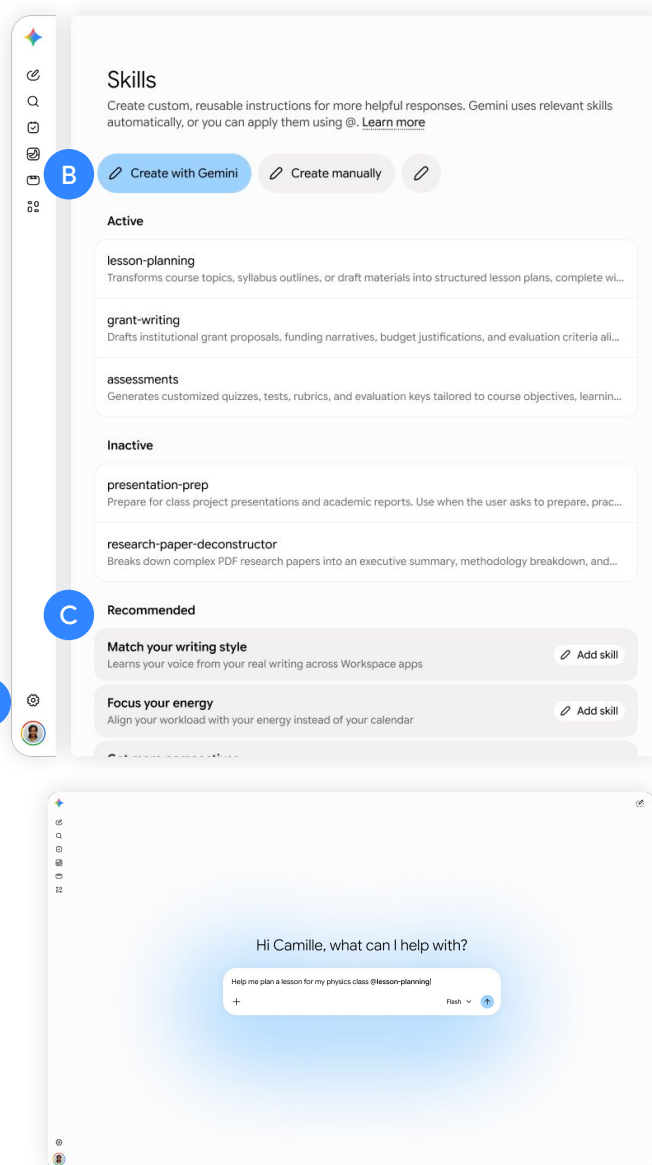
Tip: You can reference other skills within your skill instructions to build more complex workflows.

C Access recommended skills.

Gemini comes with premade recommended skills to help you get started right away. For example, the [@match-your-writing-style](#) skill learns your voice from your real writing across Google Workspace apps.

Trigger skills in any chat.

Ask Gemini to use a skill by entering “@” directly inside any active chat window before selecting a skill from the drop-down menu. Gemini can also automatically use skills that are enabled based on the context and intent of your task.



4 ways to create your own skills

01 Start from scratch

Click create manually to set your own name, description, and custom instructions from the ground up.

02 Create with Gemini

Click create with Gemini to design your skill step-by-step with Gemini as your guide.

03 Customize a template

Browse “**recommended skills**” and fine-tune the details to make it your own.

04 Upload a file

Instantly create a custom skill by uploading a **.md** instruction file, plain text, PDF, image, or any combination of the above directly to Gemini.

Start using skills in the Gemini app at gemini.google.com

Set your skills up for success

To ensure Gemini handles your task the way you want it to, write a skill with specific instructions for Gemini to follow. Check out these best practices and tips to get the most out of skills.

Task objective

Build for repeatable tasks

Focus on common workflows rather than one-off tasks so you can get the most value out of the skills you build. .

Example:

Build a [monthly-newsletter](#) skill instead of a [october-parent-newsletter](#) skill.

Name and description

Write clear, action-oriented names and descriptions

Name your Skill using lowercase action words (for example, [@build-lab-rubric](#)). When writing your description, include “Use when...” so Gemini knows when to use your skill.

Head’s up: Gemini relies solely on the name and description to trigger a skill. To avoid confusion, keep descriptions specific, avoid creating skills for overlapping tasks, and always follow “Use when...” with concrete examples.

Example:

[@build-lab-rubric](#)– “Generates structured, criteria-based evaluation scales and scoring guides for science experiments and practical lab reports. Use when I ask to 'create a lab rubric,' 'build experiment scoring guide,' or 'set up practical assessment criteria.'”

Instructions

Define what you want the output to look like

Within the instructions, include layouts, checklists, and formats to follow so your handouts, lesson plans, or rubrics come out preformatted and ready to go.

Example:

“Always format response as: 1) Objective, 2) 15-Minute Activity, 3) 3-Question Exit Ticket.”

Be explicit about what NOT to do

Include a brief list of common pitfalls and guardrails directly in the instructions to keep Gemini aligned with your classroom standards without extra editing.

Example:

“Keep sentences under 15 words, and always include sentence starters for English Language Learners. Do not use complex jargon.”

Instruct Gemini on missing details

Tell Gemini to pause and ask for missing dates or context instead of guessing.

Example:

“If I forget to state the grade level, ask me before generating the lesson materials.”

Start using skills in the Gemini app at gemini.google.com

How education institutions are using skills in Gemini



Educators

- **Lesson planning:**
Quickly create comprehensive lessons grounded directly in your curriculum and education standards.
- **Differentiation:**
Save prep time by instantly scaffolding assignments and generating tiered practice problems for diverse learning levels.
- **Formative assessment:**
Convert class readings, lecture slides, or PDFs into practice quizzes to check for understanding.



Students

- **Exam prep:**
Turn class notes into tailored practice quizzes, flashcards, and active recall prompts tuned to your personal study preferences.
- **Simplifying complex topics:**
Break down dense academic texts and difficult concepts into plain-language summaries and relatable analogies.
- **Essay feedback:**
Get instant, targeted feedback on thesis strength, argument flow, and mechanics.
- **Internship prep:**
Polish your resume, refine cover letters, and practice role-specific interview questions aligned with your target career field.

Start using skills in the Gemini app at gemini.google.com

How education institutions are using skills in Gemini



Researchers

- **Peer and journal review:**
Audit references, check citations, and enforce strict publication guidelines aligned directly with your target journal's style guide.
- **Grant writing:**
Draft compliant funding proposals preconfigured to specific federal agency rules and submission criteria.
- **Lit review:**
Synthesize dense academic papers, extract experimental frameworks, and summarize key findings in a single pass.

Administrators

- **Institutional comms:**
Draft official notices, memos, and campus updates that automatically embed correct terminology, legal disclaimers, and policy rules.
- **Event planning:**
Quickly coordinate complex timelines, vendor communications, and run-of-show agendas for campus lectures, conferences, and ceremonies.
- **Reporting:**
Convert raw survey feedback and dense department reports into clear, executive-ready briefings formatted for quick decision-making.

Start using skills in the Gemini app at gemini.google.com

Take your workflows further by using multiple skills at once

Tackle complex tasks step-by-step by using skills together – like passing raw research into a summary tool, then into a draft writer and citation checker – with your expertise at the center of every review.

Transitioning from Gems to skills in Gemini

Guidance to help you navigate the transition.



Comparing Gems and skills in Gemini

Skills bring powerful, custom instructions directly into your everyday conversations, replacing Gems with an in-line workflow.

	Gems	Skills
Set up and get started		
Create a new Gem or skill	Only from the Gems manager page	From any chat or the skills manager page
Use a Gem or skill	Only from the Gems manager page	Type @ in any chat
Create and edit on mobile		
Craft instructions	Write manually or use Gemini to rewrite instructions	Write manually or co-create with help from Gemini
Accomplish daily work		
Use multiple at once		
Attach files as knowledge sources		
Use automatically, based on the context and intent of your task		
Save and share		
Make a copy		 Download, reupload, and customize as a new skill
Share via Google Drive		

Key milestones

Here are the key dates you should know as Gems transition to skills in the Gemini app.

9/30/2026

- Skills roll out to personal accounts in the Gemini app, with access for education coming soon.
- Education users can continue creating and using Gems in the Gemini app, Google Classroom, and Gemini LTI™.

10/13/2026

- Skills roll out in the Gemini app for education users. They can continue to create and use Gems.
- Users can no longer create or edit Gems in their personal Google accounts.

11/17/2026

- Gems auto-migrate to skills for users in their personal Google accounts.
- The Gems endpoint moves to the settings menu for education users. They can continue to create and use Gems.

6/1/2027 or later

- Gems auto-migrate to skills for education users.
- Gems are no longer available in the Gemini app, Classroom, and Gemini LTI™.

Frequently Asked Questions

Will my existing Gems automatically convert to skills?

Gems created in the Gemini app will automatically migrate to skills on or after June 1, 2027. However, Gems created in Google Classroom or third party LMS' via Gemini LTI™ will not be automatically migrated, as skills will not be available directly in those tools. Continue reading to learn more about evolving from Gems to other teacher-led AI tools in those products.

What is the easiest way to re-create my Gems as skills in Gemini?

Open two browser tabs side-by-side:

1. **Copy details:** Copy your Gem's title, description, and custom instructions into your new skill.
2. **Upload files:** Reattach any grounding files or curriculum materials directly to your new skill.
3. **Reshare:** If your original Gem was shared with colleagues or students, share your new skill with them.

Alternatively, you can wait until June 1, 2027 and your Gems will automatically convert into skills.

Once Gems migrate to skills can I start using them right away?

Your Gems will automatically convert to draft skills. Simply review and activate them to start using them in any chat.

What happens to my past chats with Gems after they convert to skills?

Your past chats with Gems can be found in your main Gemini chat history.

Why is Google making this change?

We're upgrading Gems to skills as they provide more robust functionality, like the ability to easily use them in any chat and tackle complex tasks by using multiple skills in one chat. Skills are also becoming the industry standard for providing custom, reusable instructions that teach AI tools how to handle repetitive tasks.

Evolving from Gems to new teacher-led AI in Google Classroom

As Gems phase out in Classroom, a suite of built-in features is stepping in to support your teaching tasks.



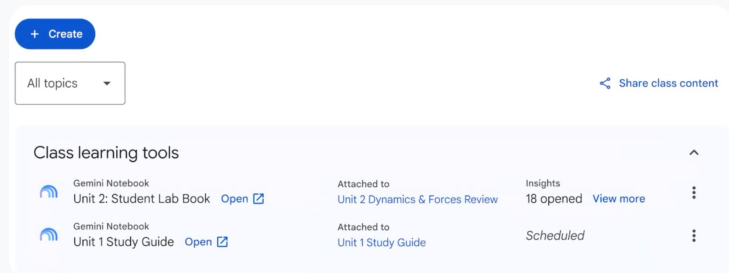
Guided by teachers, tailored for students

When educators lead AI implementation, the results are clear. We're bringing new learning experiences to Google Classroom that are designed to be led by teachers, rooted in curriculum, and powered by actionable insights.

Keep educators in the lead

Extend your teaching goals with tools built to personalize and scale learning.

Create interactive study guides, deliver adaptive quiz prep, and provide real-time homework support grounded in your objectives – attached directly to Assignments or pinned to your Classwork tab.



Stay rooted in curriculum

Anchor every tool to your materials, your objectives, and your students.

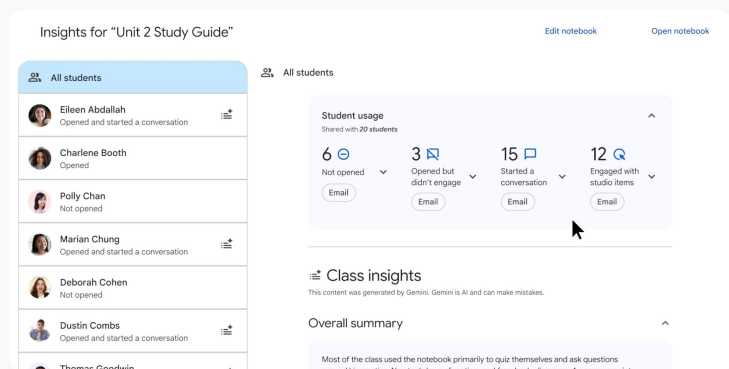
Select specific files directly from your Classroom topics and Google Drive to inform AI activities, keeping content relevant and accurate.



Give actionable insights

Keep a pulse on what's happening across your class, clearly and consistently.

Gain clear visibility into teacher-led AI activities for students at both the individual and class level to inform daily instruction – accessed directly from the assignment.

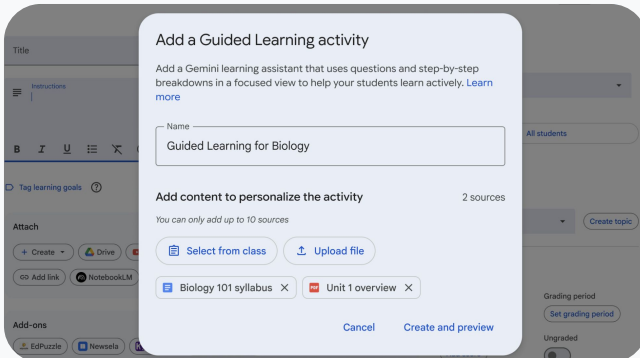


Over the next few months, Google Classroom will introduce insights for teacher-led AI activities, starting with Gemini Notebook and Guided Learning in Gemini.

2 teacher-led AI tools designed to scale and personalize learning experiences

Choose from different AI tools to tailor your workflows your daily workflow with new classroom tools shaped by educators, for educators.

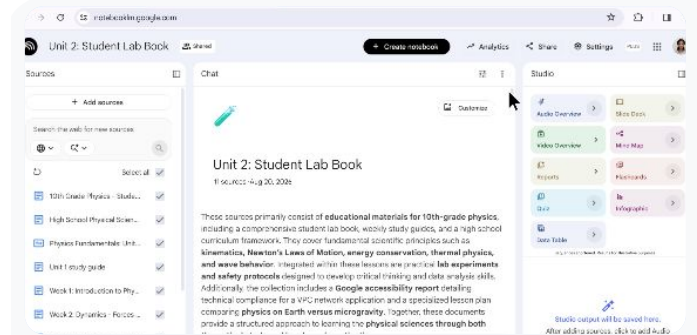
1



Guided Learning in Gemini

Promote active learning with a focused experience locked to teacher-provided content, while giving educators full visibility into student progress.

2



Gemini Notebook

Transform static curriculum files into interactive, multimodal study tools – like flashcards, mind maps, audio overviews, and study guides – grounded in your uploaded materials.



Supporting student success with AI fine-tuned for learning



Gemini: Grounding our models in learning science

Built in collaboration with experts in education, LearnLM began as a research effort to develop a family of models fine-tuned for learning and informed by learning science.

Now, these capabilities and advancements are infused directly into the Gemini models to drive better learning outcomes



Inspire active learning

Help the learner acquire and organize knowledge.



Manage cognitive load

Present relevant, well-structured information.



Deepen metacognition

Plan, monitor, and help learners reflect on progress.



Stimulate curiosity

Inspire engagement through the learning journey.

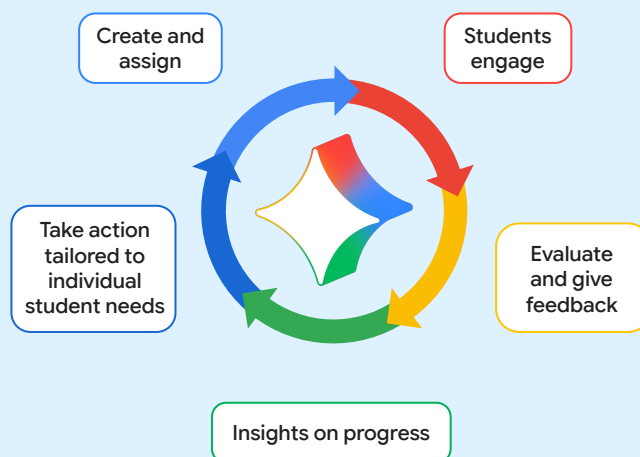


Adapt to the learner

Dynamically adjust to learners' goals and needs.

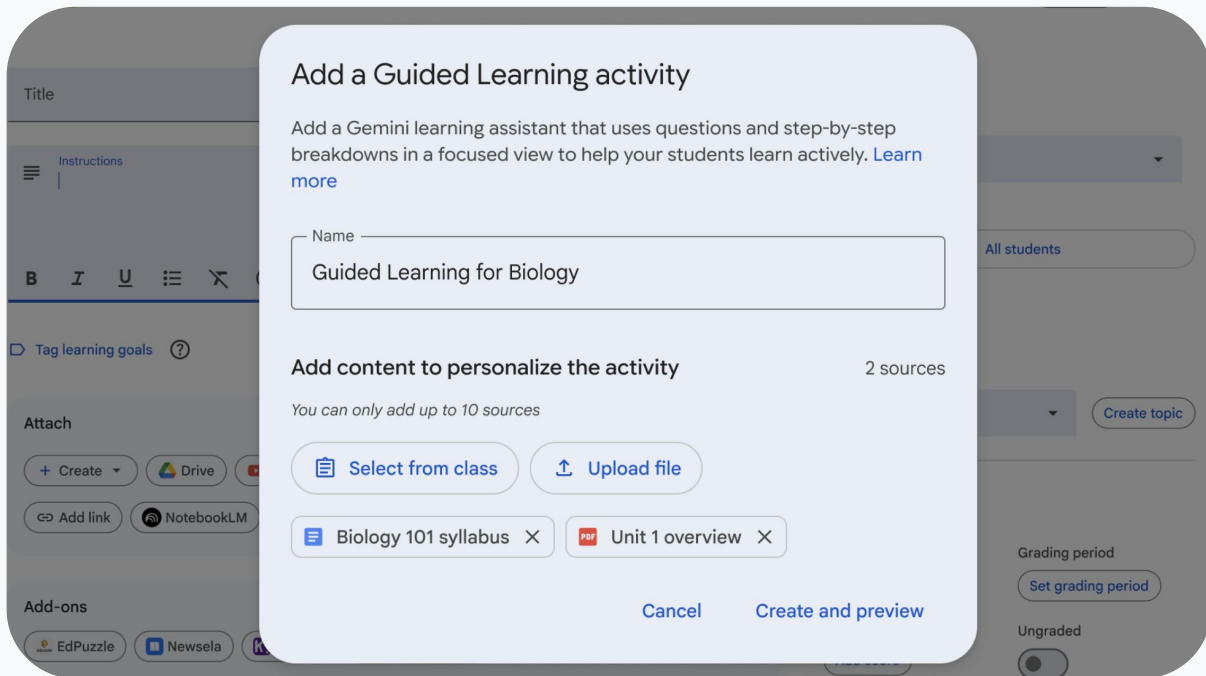
Gemini can supercharge teaching and learning in Google Classroom

Purpose-built AI tools in **Google Classroom** extend your reach at every step, helping you personalize instruction, track student progress, and take meaningful action with confidence.



Guided Learning in Classroom

Guided Learning in Google Classroom* is a tool purpose-built for learning that enables teachers to create AI learning experiences informed by class content where students explore and practice concepts, while giving educators visibility and control.



* Coming soon to Google Classroom.

Provide conversational, scaffolded support that promotes active student learning and deeper understanding

What it is

-  **Curriculum-aligned scaffolding:** Select your Classroom materials to provide step-by-step support tailored to your lesson content, without giving away direct answers.
-  **Focused view:** When students open Guided Learning in Classroom, side navigation is automatically hidden, new chats are disabled, and they remain in Guided Learning mode. Students cannot edit the source materials that their teachers set up to inform the activity.
-  **Real-time actionable insights:** Track student progress through class dashboards, engagement trends, and individual chat transcripts to easily spot and address misconceptions.

How it supports educators

-  **Frees up instructional time:** The tool can field routine assignment questions during independent practice, allowing you to focus on students who need one-on-one support.
-  **Fosters productive struggle:** Encourage students to think critically and solve multi-step problems rather than relying on quick answers.
-  **Differentiates learning at scale:** Provide tailored support to students working at different paces and level of understanding.

Grounded in educational research and built for proven impact

Guided Learning combines advanced AI models with proven pedagogical research to spark student curiosity and deepen academic achievement.

Grounded in LearnLM research

Guided Learning is built from years of research and work in our LearnLM efforts to be pedagogically-grounded and specifically tuned to prioritize building understanding over providing direct answers.

- ✓ **Promote active learning:**
The model prompts students to share their thinking and respond meaningfully, building confidence through effort to drive cognitive engagement and productive struggle.
- ✓ **Provide scaffolded support:**
Rather than passively serving answers, the assistant offers guided feedback, using questioning techniques and breaking complex tasks into manageable subquestions for graduated hinting and targeted support.
- ✓ **Stimulate curiosity:**
Drive student agency, interest, and inquiry, keeping students actively thinking and exploring through self-directed learning and real-world connections.
- ✓ **Rigorous validation through randomized controlled trials (RCTs):**
We continuously run RCTs and publish technical research to measure, evaluate, and refine how Guided Learning improves student learning outcomes.

Guided Learning is proven to improve learning outcomes while sparking student engagement



1.7
years of typical learning progress in low-and-middle income countries (+0.26 standard deviations) achieved by students using Guided Learning for 8 weeks.



97%
of student messages stayed on task, as students used Guided Learning to build understanding, not seek answers.

“Most of our kids normally say mathematics is difficult. But with the introduction of Gemini, most students now love math because the app is teaching them step-by- step.”

Source: [Measuring the impact of AI on teaching and learning](#), Google efficacy study, May 2026.

6 ways to bring Guided Learning into your daily instruction

Adapt Guided Learning across subjects and lesson structures to foster productive struggle, build student confidence, and inform future teaching.

1

Scaffold problem solving in STEM

Provide Guided Learning alongside multi-step problems in math and science. Guided Learning uses inquiry questions to guide students step-by-step without giving away answers, offering graduated hints when they hit speedbumps during practice.

2

Strengthen pre-writing and argumentation

Assign Guided Learning as an interactive sounding board for essays, presentations, and debates. Students can test hypotheses, refine thesis statements, and organize outlines to refine their ideas before writing.

3

Deepen inquiry and conceptual extensions

Use Guided Learning for open-ended exploration and extension tasks. Students develop their understanding of core concepts at their own pace and make meaningful cross-curricular connections.

4

Structure breakout activities and active learning

Incorporate Guided Learning into an "I do, we do, you do" lesson model. During individual or group breakouts, assign a complex problem with conversational support attached, then review live insights to guide class discussions.

5

Extend support beyond the classroom

Offer Guided Learning as an on-demand tutoring assistant during homework and remote study, ensuring flexible, scaffolded help outside of standard class time.

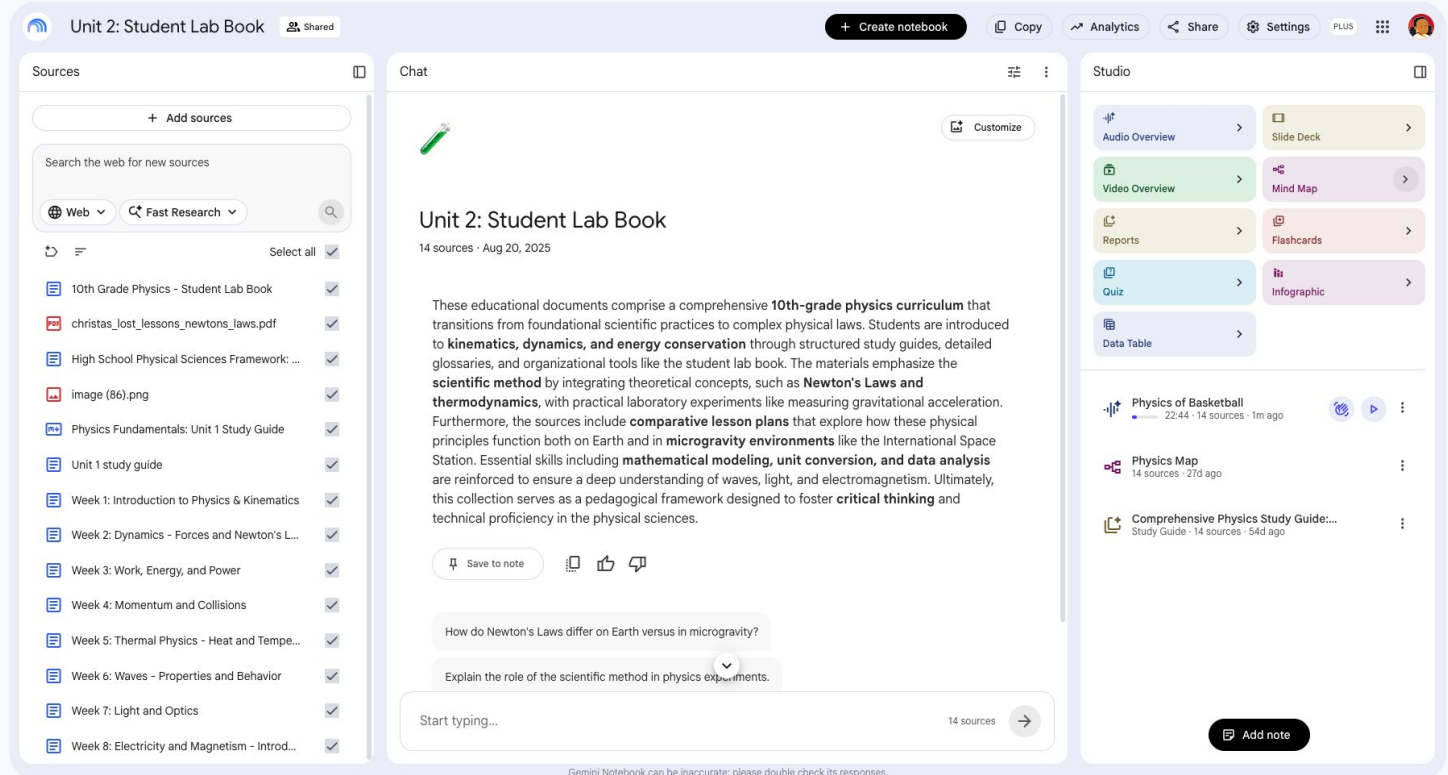
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Support exit tickets and inform future instruction

Run quick end-of-class reflection activities. Review individual student responses and aggregated assignment class insights to spot misconceptions and design targeted instruction for the next day.

Gemini Notebook in Classroom

Transform static curriculum files, such as PDFs, Google Docs, Slides, images, and videos, into interactive study guides, digital flashcards, visual mind maps, and podcast-style Audio Overviews.



Convert classroom materials into multimodal study aids

What it is

Custom AI study companions tailored to your class

-  Generate flexible, multimodal study tools grounded strictly in your uploaded materials.
-  Provide teachers with real-time interaction insights* to easily see which students have opened and engaged with assigned tools.
-  Ensure content accuracy and safety within a curated, view-only environment that keeps student Q&A anchored to your files.

How it can be used

Provide self-paced mastery and targeted review

-  Pin a physics or chemistry lab book at the Class level so students can independently verify safety rules and lab procedures during experiments.
-  Attach to research assignments on complex topics so students can gather cited evidence from curated readings.
-  Deploy a preexam notebook so students can independently review unit vocabulary and clarify tricky concepts before tests.

* Coming soon.

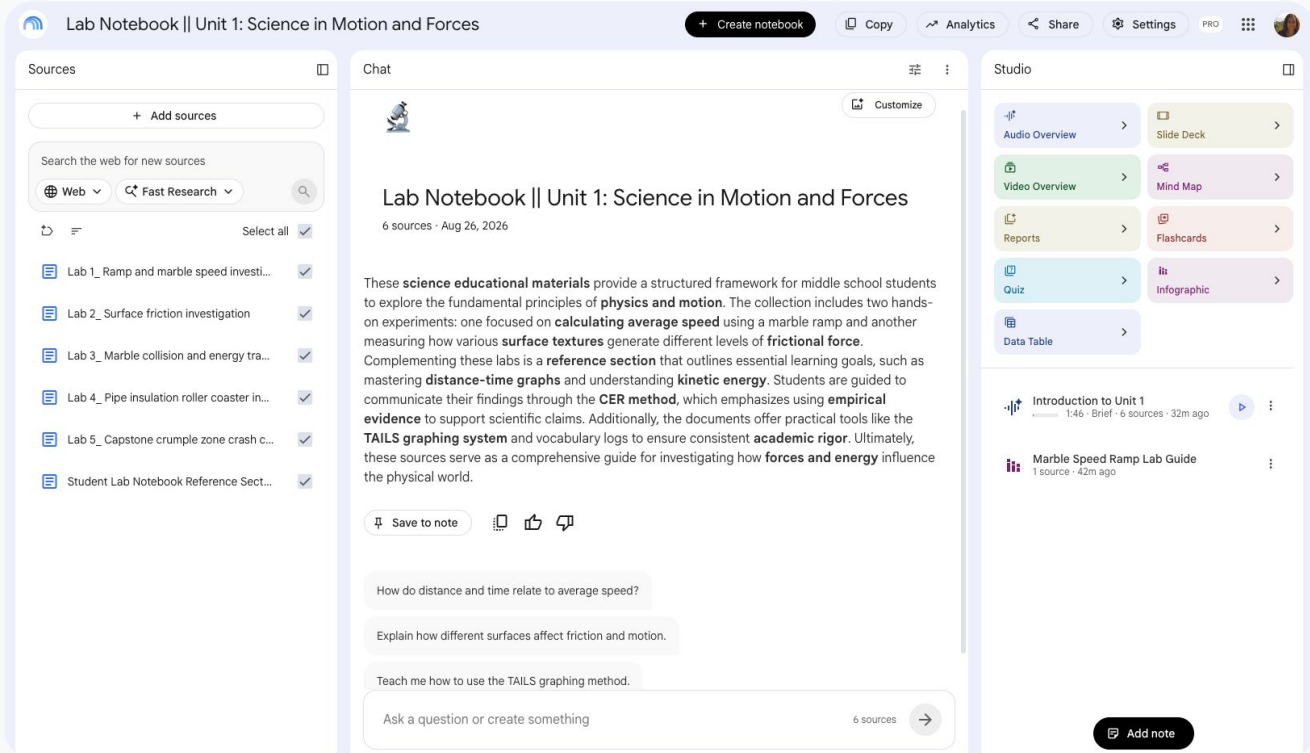
The next phase of teacher-led AI in Gemini LTI™

While Gems are phasing out, students and educators can still access [Gemini Notebook](#) right from Canvas by Instructure, PowerSchool Schoology and Moodle.



Gemini Notebook in Gemini LTI™

With Gemini LTI™, educators can easily create notebooks from Gemini Notebook grounded in their course content directly in PowerSchool Schoology Learning, Canvas by Instructure, and Moodle, and assign them to students to help enhance their learning.



Bring the power of Gemini to your LMS

What it is

Understand anything with AI grounded only in your sources.



Automatically import course materials from your LMS into Gemini Notebook without manual uploads.



Ensure AI responses and study materials are anchored strictly in approved resources, complete with in-line citations.



Enable students to create engaging Audio Overviews, infographics, study guides, and more, all tailored to diverse learning preferences.

How it can be used

Define your curriculum and empower students to learn at their own pace



Create structured, lesson-ready slides from uploaded textbook chapters and unit notes.



Transform heavy unit readings into engaging, podcast-style Audio Overviews so students can review dense course material on the go.



Diagram complex concepts into visual Mind Maps to help students synthesize relationships between key topics ahead of exams.