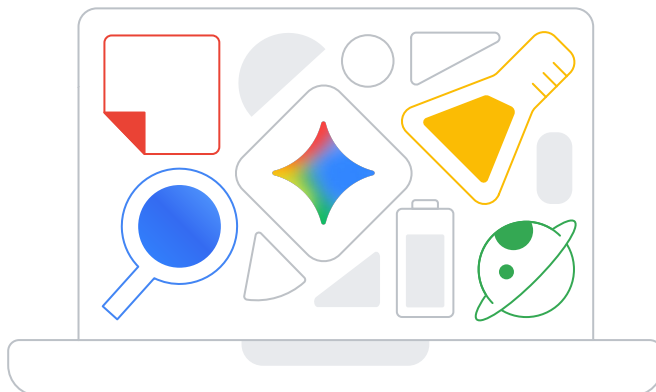


Guardian's Guide to AI

AI is reshaping how we approach work and education. At Google, we've been preparing for this for quite some time. We first used AI in 2001 when we launched our [spelling correction system](#) in Google Search. Now, AI is in many Google products that billions of people use every day.

In reimagining learning with the power of AI, we've applied our insights from building digital tools for the classroom for over a decade. And we've designed AI experiences with safety at the core.



Use this guide to understand more about AI in education, data security and privacy protections, and how to prepare your child for an AI-powered future.

What exactly is AI? Generative AI?

AI is a computer system taught to mimic natural intelligence to help us understand and recommend information. AI helps power tools like Google Search and YouTube to suggest relevant content when you search, and it's used within Google infrastructure to help keep data safer.

Generative AI, or **gen AI**, is a type of AI that focuses on creating new content, such as text, images, music, and code, all by typing in a simple prompt. [The Gemini app](#) is Google's free-of-charge gen AI chat experience that includes added data protection for all school accounts.



Why is AI being integrated into teaching and learning in schools?

AI enables powerful new ways to support educators and learners. In education, AI can be used to do helpful things like make learning experiences more personal, provide immediate feedback, improve accessibility, enhance digital security, give educators precious time back, and so much more. As AI becomes more common in schools and the workforce, it's becoming increasingly important that students learn to be proficient with AI-powered tools.



Most teens and parents expect that gen AI skills will be an important part of their future."

Stephen Balkam, Founder and CEO, [FOSI](#)

[Google Keyword blog](#)

Keeping school communities safer with Google for Education



Secure by default

Security protections are built into the foundation of Google for Education. Rigorous testing and 24/7 monitoring helps keep your child's data secure. AI-powered security safeguards automatically detect and block threats. Gen AI tools are built to be secure, with access controlled by admins.



Private by design

Google strictly upholds responsible data practices, does not build student profiles, and Workspace Core Services do not have ads. As we advance generative AI, we strictly uphold responsible data practices. No Google Workspace for Education data is shared or used to improve or train AI models.



Schools are in control

Admins are in control with all-in-one tools that limit student access to features and protect against security breaches. We aim to be transparent about how our products work, and provide easy-to-apply privacy and security settings to manage when and where data can be accessed.



Trustworthy content and information

As AI becomes more capable, Google continues to invest in advanced safeguards so that our AI products deliver more trustworthy content. We work with child safety and development experts to design age-appropriate content safety policies, including for the models powering Gemini.

Here are some important things to remember about your student's security and privacy protections with Google:

School-issued Google accounts

(created by schools for students)

Accounts are governed by the Workspace for Education Privacy Notice and Terms of Service – meaning there is no advertising in Google Workspace for Education Core Services, like Gemini, Gmail, Docs, Slides, and Classroom.

School administrators can enable and disable individual services, including other Google services that aren't part of Workspace, like Search, Maps, and Play.

School admins can manage who has access to Gemini in the Admin console. And all Workspace for Education users have additional data protection when signed in to their school accounts, meaning their chats are not reviewed by anyone or used to train AI models.

ChromeOS gen AI features have Google Admin console controls and are automatically disabled for users under 18 years of age.

Personal Google accounts

(created by users and/or guardians)

Accounts are governed by Google's Consumer Privacy Policy and Terms of Service – meaning there is advertising in Google Workspace services, and users can choose to enable personalized advertising.

Choose privacy settings, understand what data Google collects when you are using Gemini, and learn how it is used in the Gemini Apps Privacy Hub. Users are also provided clear disclosures against sharing personal information while using the Gemini app.

Parents and guardians can monitor their child's personal account using Family Link to set screen time limits, manage privacy settings, and more.



Google's approach to AI in schools

We believe AI is going to help school communities unlock potential in ways we can't even imagine yet. **As AI evolves, we're committed to incorporating AI into education responsibly.** This means that we're building gen AI experiences grounded in educational research, and we carefully evaluate how and when to bring the best of Google's AI technology to education. We also ensure that our AI-powered tools for education meet the same rigorous standards applied to all Google Workspace for Education tools.



Developing AI responsibly

Guided by learning science principles, our AI technology aims to empower, assist, and inspire educators – never to replace them.



Keeping teachers in the loop

Our gen AI tools for education are built with input from educators and learning experts. For example, the AI track of our pilot program lets teachers test and provide feedback on new AI-powered features.

How is AI in Google for Education helping students and teachers?

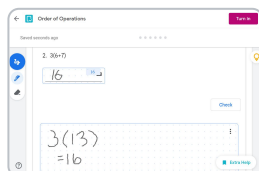
AI works behind the scenes to provide tailored support to students, complementing the teacher's role to transform the way students learn and teachers teach.

Students

Imagine a learning environment uniquely tailored to your child's needs, so **learning is more engaging, interactive, and accessible** for them.

With Gemini and practice sets in Google Classroom, students can:

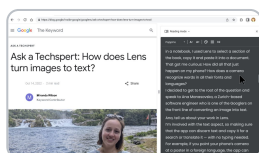
- Learn at their own pace
- View real-time feedback and in-the-moment hints when they're stuck
- Get always-on academic support
- Deepen understanding with customized practice materials
- Develop skills for an AI-first future



Deeper accessibility

AI-powered features enable **inclusive learning** by assisting students with:

- Display and vision
- Motor and dexterity
- Cognitive and spoken feedback
- Audio and captions



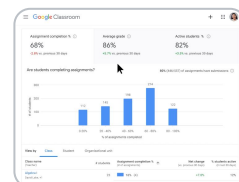
Teachers

As students recover from major learning losses since 2020, gen AI in tools like Gemini, NotebookLM and Chromebook Plus **help educators do more, personalize learning, and understand where students need help** to intervene faster.

Tailor learning experiences

Practice sets, Gemini, and other AI-powered Google for Education tools empower teachers to:

- Get faster insights into student comprehension
- Provide more individual support for each student
- Create learning experiences tailored to students' needs and interests



Create lessons for learners of all types

AI-powered features built into Chromebook Plus devices help educators:

- Quickly digest text on a website or app with Help me read
- Draft lesson instructions and feedback with Help me write
- Record, edit, and share video lessons
- Create audio content with a built-in voice recorder
- Make engaging GIFs for more memorable demos or explanations



Google's approach to AI at home

Outside of school, parents and guardians are in charge of their children's screen time and access to technology – and that now includes generative AI. Here are some ways we think about building our products to help protect, respect, and empower kids and families at home.



PROTECT

We collaborate with child safety and development experts to design age-appropriate content safety policies, including the models powering Gemini. We also provide tools to validate information and provide documentation on data use for transparency.



RESPECT

We provide [educational materials](#) tailored to younger users that help teach foundational AI concepts. These educational resources are based on research and are created in partnership with experts.



EMPOWER

Younger users have a unique [onboarding](#) experience for Gemini to help educate them on AI's capabilities and limitations. Gemini also provides youth-friendly prompts to help under-18 users get started with age-appropriate queries.

Equipping students with AI tools, literacy, and resources

We also take steps to safeguard students as they use AI tools on their personal, non-school accounts.

Responsibly designing Gemini for young people

Before providing users under 18 access to Gemini, we partnered with child safety and development experts like the Family Online Safety Institute (FOSI), ConnectSafely, the Future of Privacy Forum, and more to help shape our content policies. We provide [AI literacy content](#), which we developed alongside younger users and experts, to users under 18.

We help ensure users under 18 stay safer online with [stricter safeguards](#) in place to help prevent age-inappropriate content, such as content related to illegal or age-gated substances, from appearing as they use Gemini. And the first time a user asks a fact-based question, Gemini automatically runs its double-check response feature, which helps evaluate whether there's content across the web to substantiate Gemini's response.

Making it easier to identify AI-generated content

[SynthID](#) adds imperceptible digital watermarks to AI-generated images. This helps you know if an image, text, or video in Google Photos, Search, and other tools was made by Google AI.

Strengthening platforms against abuse

The Gemini app uses strict [policy guidelines](#) to keep you safer and avoid showing inappropriate content. We created them based on years of research, user feedback, and expert advice. Our [AI-powered classifiers](#) also act as a filter to remove dangerous or inappropriate content. This system prevents, detects, and responds to harmful content to help ensure a safer experience for everyone.



Content Safety Safeguards for Users Under 18 in the Gemini app

In consultation with experts in education, child development, and safety, Google has implemented additional content protections specifically for minors. These safeguards are supported by continuous adversarial testing by teams across Google, including Trust & Safety and responsible AI teams.

Persona Protections

For minors, The Gemini app is designed to prevent generation of:

- Explicit claims of sentience, human-ness, or human attributes.
- Relational statements or simulating relationships (e.g., expressing emotional dependence, romantic/sexual/flirtatious innuendos, or expressing strong emotions towards people).
- Role-playing content or impersonating harmful characters (e.g., persons known for serious illegal acts or violent crimes).

Suicide and Self-Harm Protocol

The Gemini app includes a crucial protocol to immediately refer a user expressing suicidal ideation or self-harm to crisis service providers, such as a suicide hotline. This approach draws from our deep experience in navigating suicide/self-harm queries on Search and YouTube.

We apply this protocol to all users on the Gemini app, over and under 18.

Harassment

Gemini app policies safeguard against the generation of content that enables, facilitates, or promotes bullying behavior.

Dangerous Activities & Age-Gated Substances

Robust safeguards are in place against the facilitation of use of age-gated substances (e.g., vapes, alcohol) and instructions for dangerous activities that risk serious bodily or psychological harm (e.g., "Blue Whale" challenge).

Sexually Explicit Content

The Gemini app is designed to prevent generation of inappropriate sexual content, including depictions of explicit or graphic sexual acts, and to prevent the sexual objectification of an underage user.

Medical Advice & Unhealthy Behaviors

Policies are designed to prevent the instruction, promotion, or glorification of unhealthy fitness, diet, and weight loss behaviors.

Violence and Gore

The Gemini app is designed to prevent the depiction of sensational, shocking, or gratuitous realistic violence and gore including graphic details of real-world violent events distressing to minors (e.g., school shootings, parent abuse).



Tips to use generative AI responsibly

#1 Remember AI is technology, not human.

AI is a machine learning model. It can't think for itself, or feel emotions – it's just great at picking up patterns, known as training. Since AI is not a human, it can't and shouldn't make decisions for you or replace important people in your life.

#2 Use AI to boost your talents, not replace them.

AI can help you kickstart the creative process, but it's not there to do the work for you – that's your role as the creator. For example, you might use AI to help brainstorm 3 different intros to a video series you're recording, before writing the full script yourself.

#3 Critically evaluate responses.

Since generative AI is a work in progress, it can make mistakes – and may even make things up, something known as hallucination. Always check information that's presented as fact. When in doubt, use Gemini's double-check feature or conduct further research with Google Search.

#4 If something feels off, investigate further.

Like every useful technology, there may be people who try to take advantage of AI to deceive or defraud others. For example, they may generate misinformation or fake media, like photos and videos that seem real. Look at the content's sources and consider the intent of who published it – if something seems unusual, take caution.

#5 Keep private information private.

Avoid entering personally identifiable information, such as your social security number, into gen AI tools. While Gemini has advanced safeguards in place for students using their Workspace for Education accounts, many other tools may use data from your inputs. When in doubt, consider whether you would share this information publicly.

Check out additional resources made for educators and students

[Lessons and activities: Teaching responsible use of AI](#)

[Training: Digital Citizenship](#)

[Teach AI guidance toolkit](#)

[Training: Get Started with Google AI in K12](#)

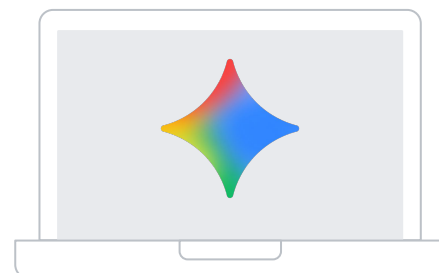
[Uplevel your learning with gen AI](#)

[Training: Generative AI for Educators](#)

[5 must-knows about gen AI](#)

[30+ ways to use Gemini in education](#)

[Training: AI in daily life](#)



Where can I learn more about AI?

Families, guardians, and younger students:

[Google Families](#)

[Google AI for Education](#)

[Be Internet Awesome](#)

[Guardian's Guide to Privacy and Security](#)

[Building responsible AI](#)

[Google gen AI data protections](#)

