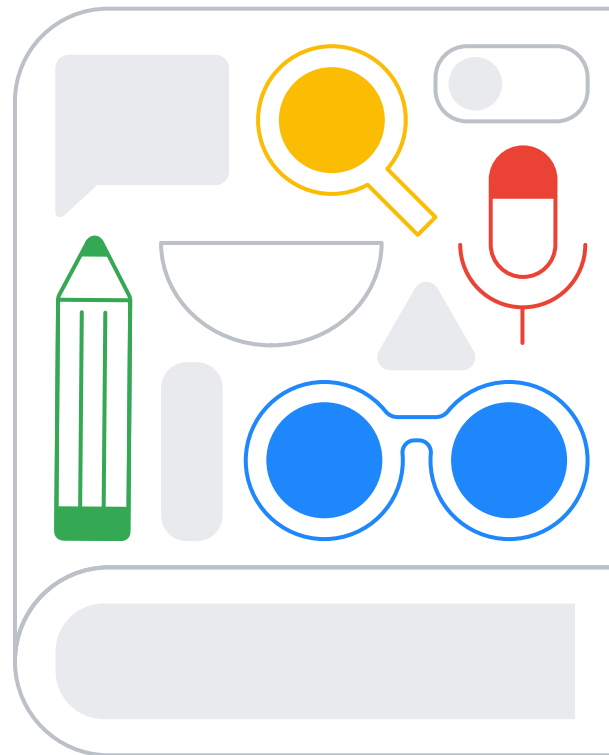


Google for Education

# Inclusive Technologies

Help every student learn  
how they learn best

Kimberley Hall  
Head of Digital Transformation, AsiaPac  
[kimberleyhall@google.com](mailto:kimberleyhall@google.com)



# Google Professional Learning ...

Scheduled for  
1:00 PM



Use Gemini to take notes

Gemini will capture meeting details and action items

Start

Join now

Use Companion mode

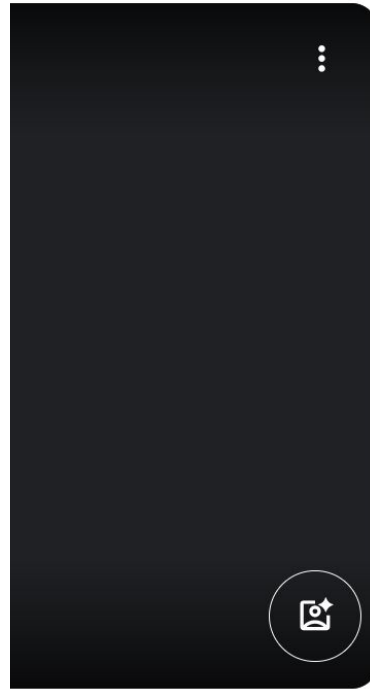
Present

Join and use a phone for audio

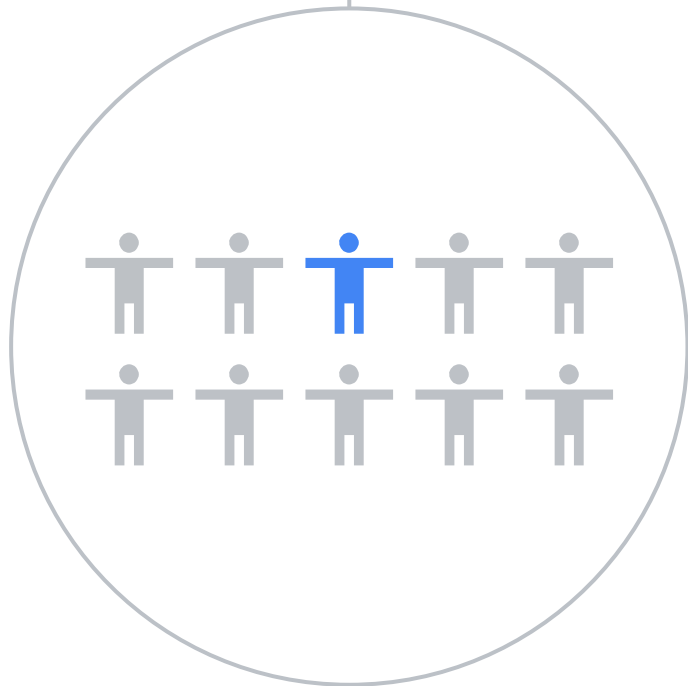
Connect a conference room

Cast this meeting

Show fewer options



it Camera



# The need for accessible EdTech is growing

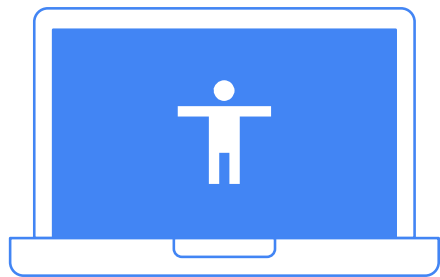
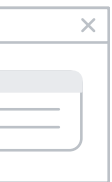
---

**1 in 10**

children worldwide  
are living with a disability.

---

Source: [UNICEF](#)



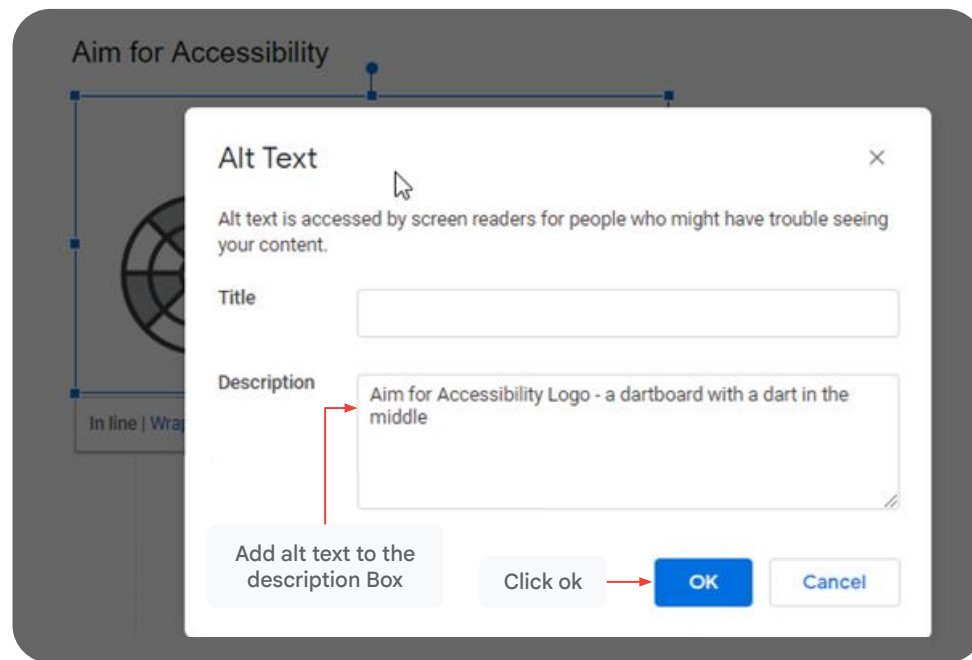
Providing every student  
with **accessibility** tools and  
**equitable learning environments**  
is more crucial than ever.

# Google has always prioritized inclusivity

Organizing the world's information and making it **universally accessible** and useful has always been a key part of our mission.



Google was a pioneer of creating alt text for images on the web to help visually impaired users.



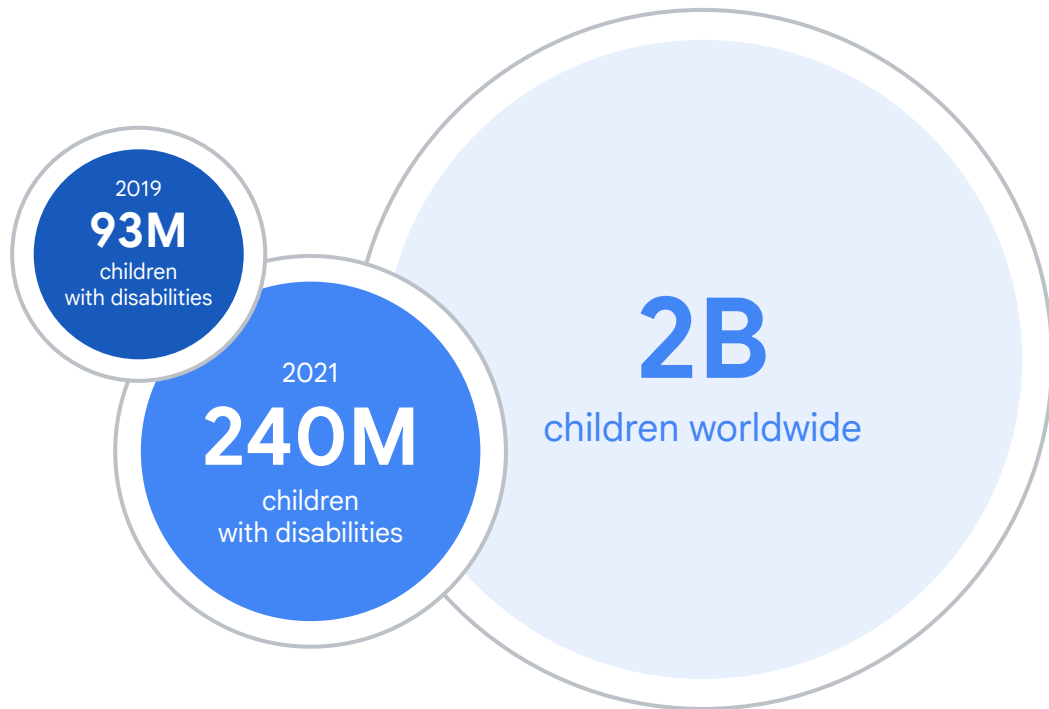
# Google for Education helps make learning more inclusive

Helping leaders bring innovative learning solutions to their schools is only the beginning. We also provide teachers with easy-to-use, assistive tools and empower students with what they need to succeed.



# We design tools for every student

We build  
for this...



...but  
solve  
for all

Sources: 1 [UNICEF](#)

# We design tools for every student



# Education technology helps level the playing field



When students with disabilities use accessibility features on the same device as their peers, they can participate fully in class discussions and share their unique perspectives more comfortably.



When students who are deaf / hard of hearing have the option to use live translated captions on Google Meet, they can easily keep up with lessons and participate in real time.

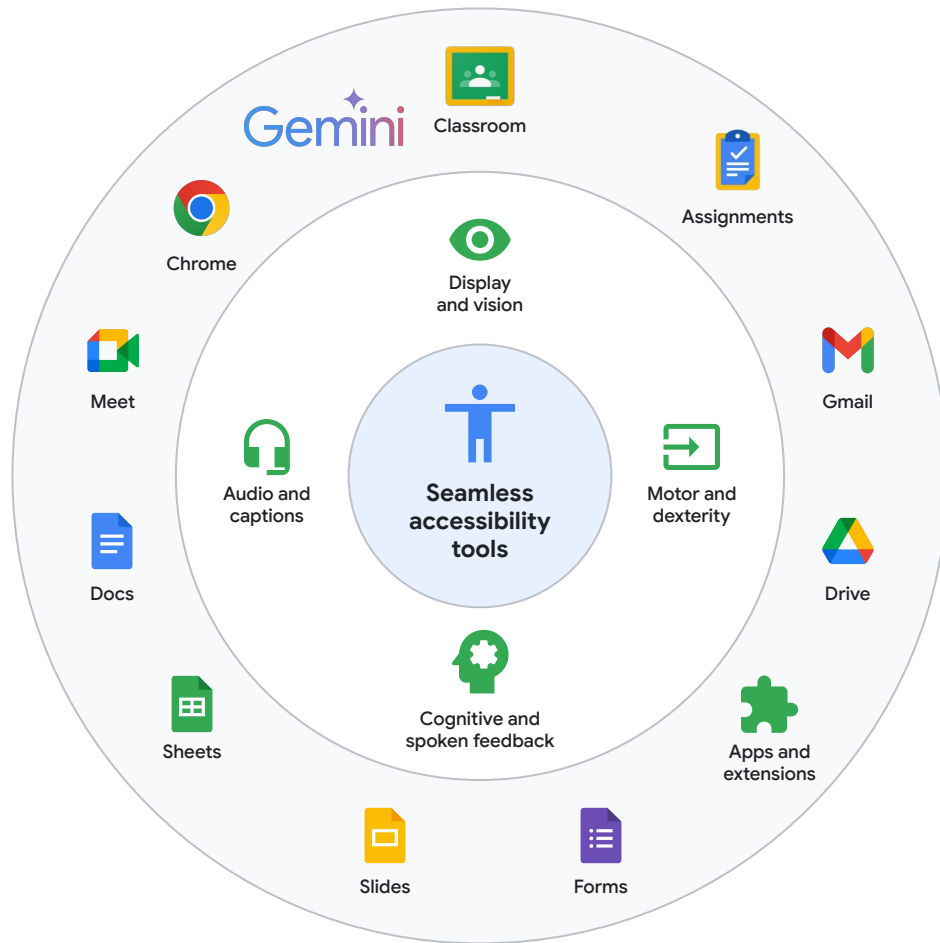


When educators leverage Gemini to differentiate learning materials and personalize support for students, it unlocks greater learning opportunities for students.



# Accessibility features are seamlessly built into Google for Education

Learn more about our [ecosystem of accessibility tools](#)



# We've been using AI for years to ensure our EdTech is inclusive and equitable

In 2018, Google was one of the first companies to establish AI principles.



## ChromeVox

With this built-in screen reader, the user can have everything that's on the Chromebook screen read aloud to them. They can even pick from over 30 languages.



## Live Caption on Chrome

Use live captions in Chrome to display captions in real time at the bottom of the screen for any media. Chrome also lets you customize your captions for greater readability.



## PDF OCR

PDF optical character recognition (OCR) is a machine learning model that converts images to text for those who have difficulty reading, making 360 billion PDFs online more accessible.

# Now, Generative AI can create an even more accessible learning environment for all students

Google for Education's generative AI tools help personalize learning by translating content, assisting with dictation, adapting texts to different reading levels, and more

## Gemini

- Allows students with limited fine motor skills to ask questions, dictate essays, brainstorm ideas, and do research using their voice.
- Summarize written content to help students with cognitive processing challenges or reading fatigue.
- Create audio-friendly scripts or summaries of lessons for students with visual impairments or for auditory learners.

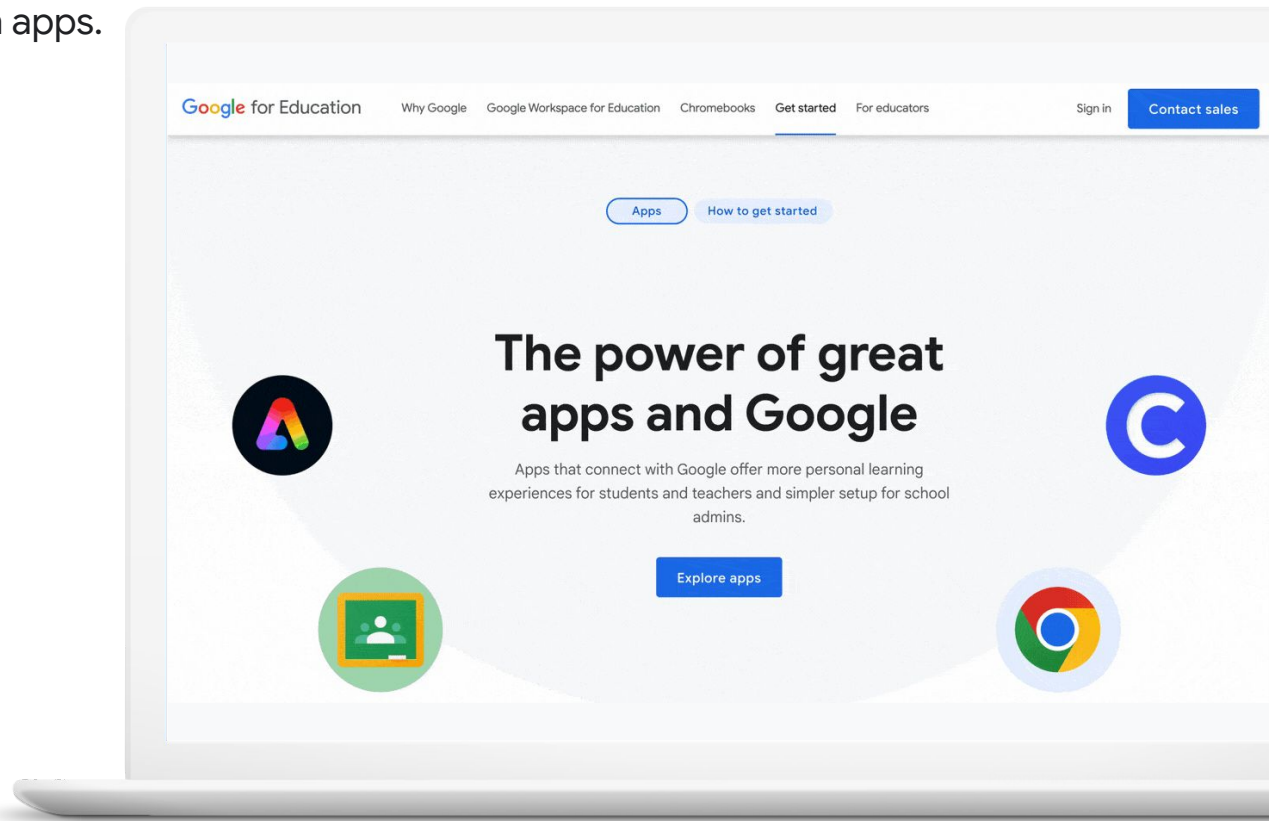
## NotebookLM

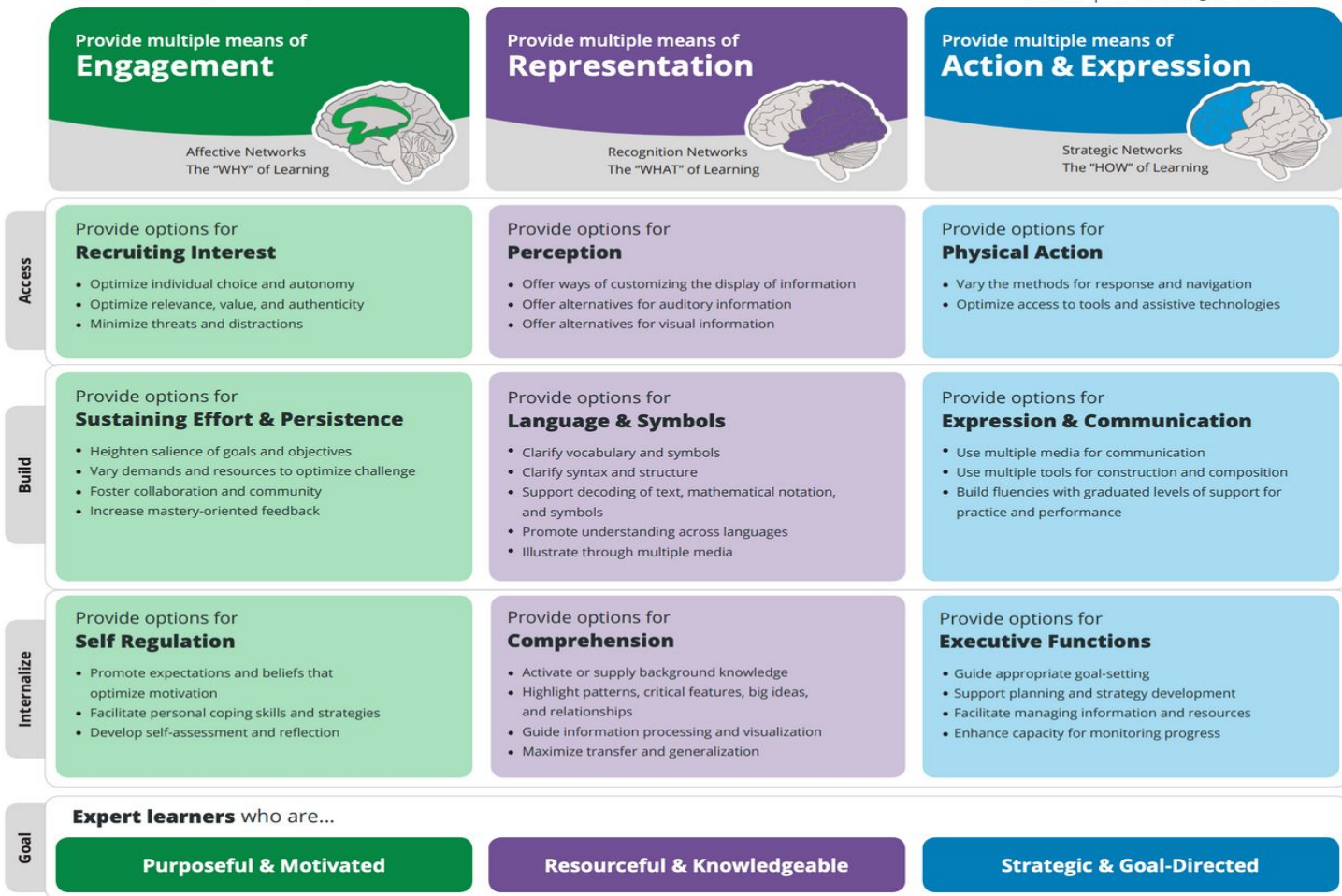
- Reduce cognitive load and makes complex information easier to understand to help students with attention challenges or reading disabilities.
- Transform written content into audio discussions led by two AI hosts for learners who are blind, have low-vision, or are auditory learners. They can then ask follow-up questions verbally.
- Instantly generate interactive diagrams to help visual learners digest complex topics and connect concepts.



# Go beyond built-in features

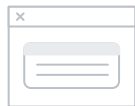
Access the Google for Education App Hub for additional integrated Google Workspace for Education apps.





# Find features designed for all

Google for Education creates accessibility tools that enhance learning for all students as they work independently, with peers, or in class.



Display and vision

---



Motor and dexterity

---



Cognitive and spoken feedback

---



Audio and captions

---



Reading comprehension

# Support students who are blind or have low vision

Display and navigation customizations

Visual assistance

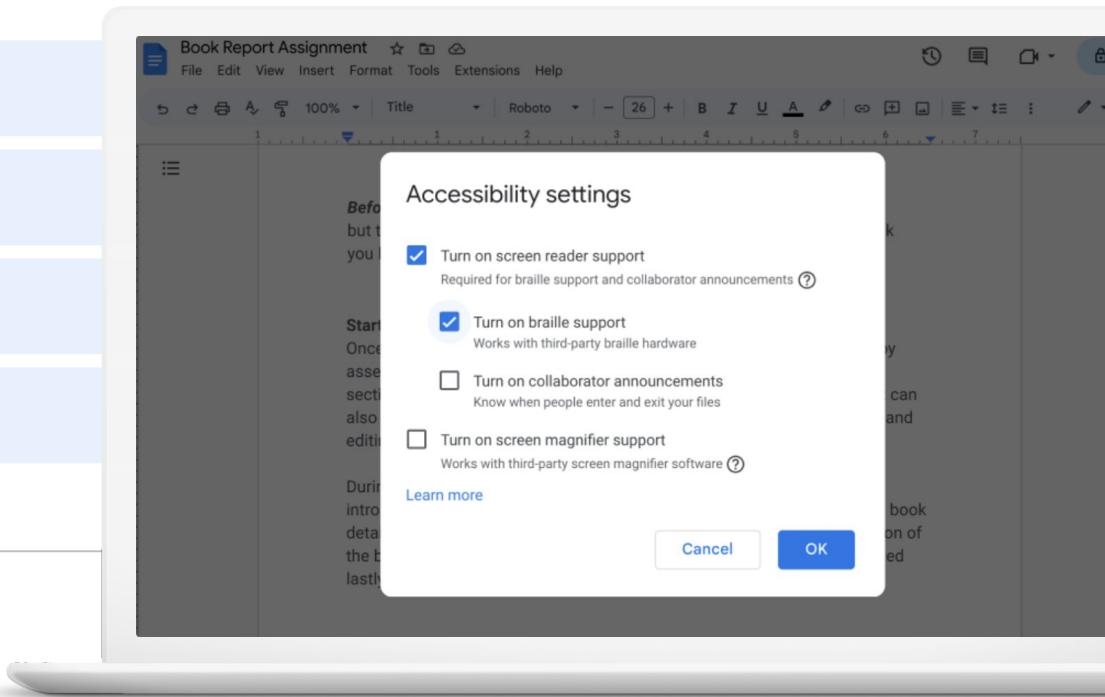
Voice input and output

Extract text from images



Pro tip

Use high-contrast themes to improve readability when using devices outside in bright conditions.



# Guide students with writing challenges or mobility impairments

Voice inputs

Keyboard customization

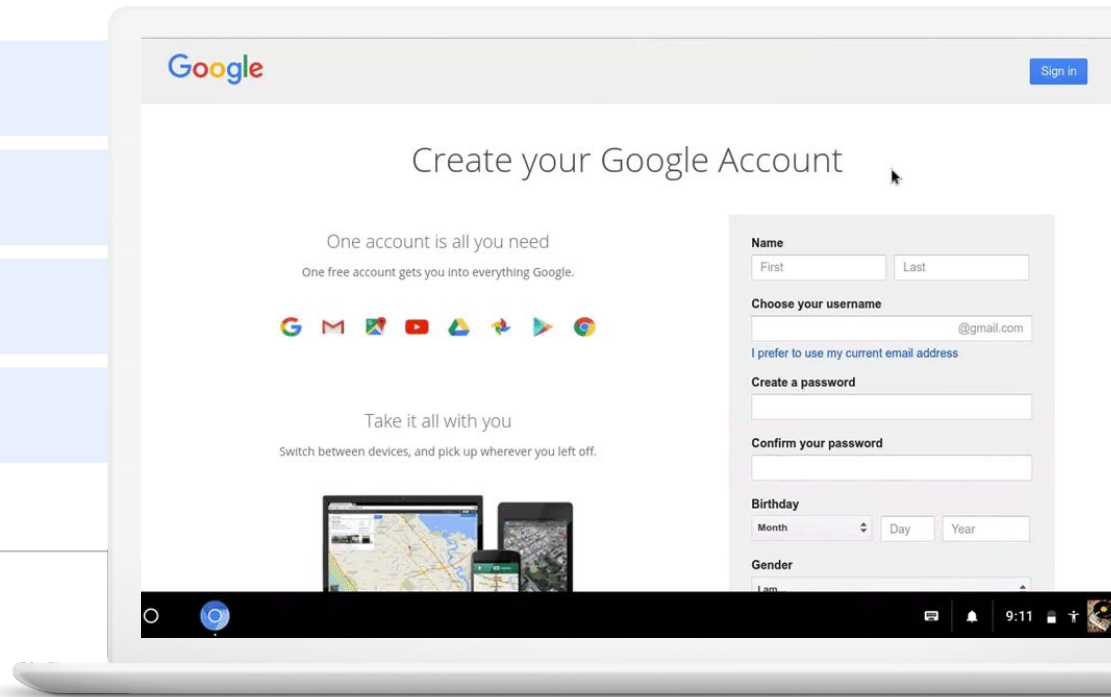
Input alternatives

Motor interactions



Pro tip

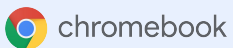
Dictation uses voice typing to reduce reliance on the keyboard for students who have difficulty typing.



# Navigate your screen using facial movements



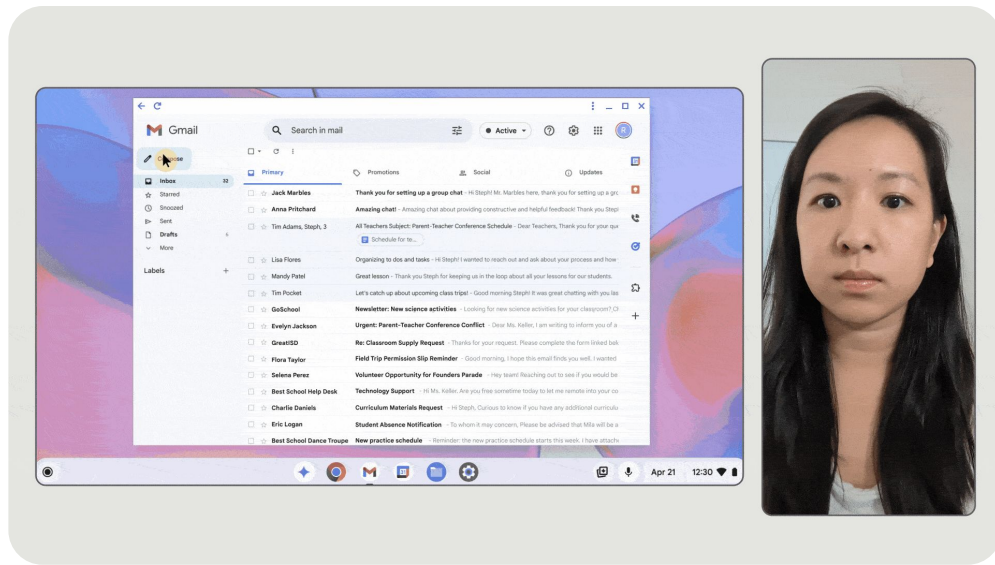
Face control enables users with limited hand dexterity to point, click, and control their computers using facial movements.



Available now



Available globally



# Support students with learning and cognitive differences

Input support

Comprehension and focus support

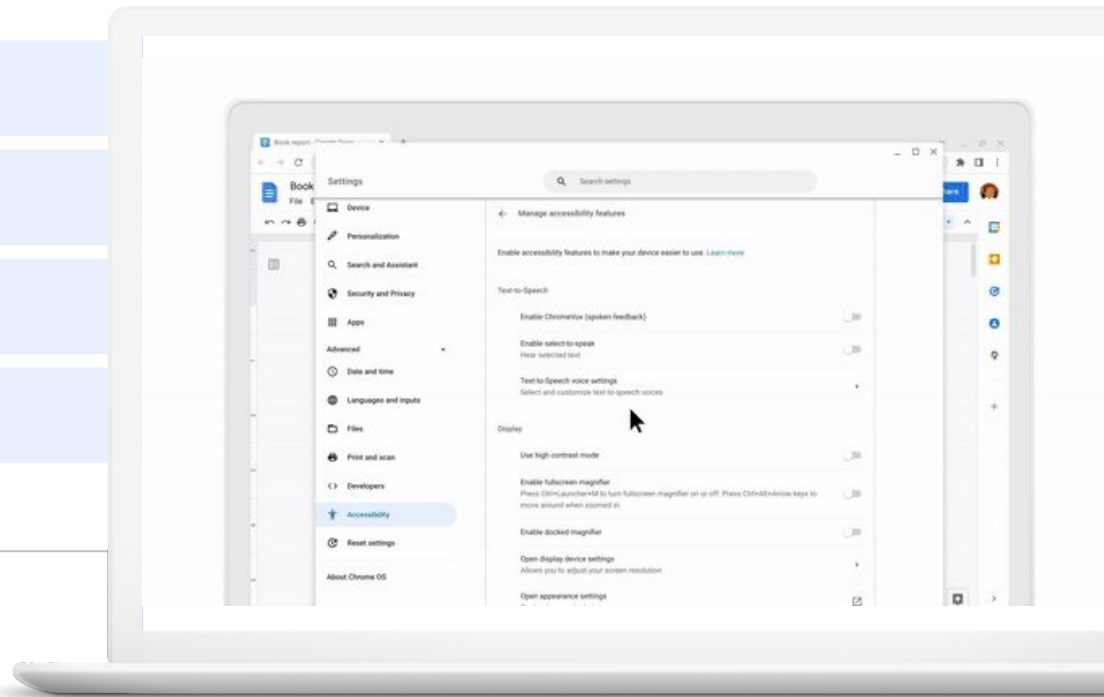
Writing support

Organization and task support



Pro tip

Find assistive extensions in the App Hub that can support all types of learning needs from mind mapping to spell-checking.



# Teach and learn handwriting styles

Playwrite fonts help primary school students understand handwriting and draw letters with confidence and accuracy by providing customized fonts for 40 countries and counting.



Available now

Available globally



The screenshot shows the Google Fonts interface. At the top, the search bar contains 'Playwrite Guides'. Below the search bar, there are several filter buttons: 'Filters', 'Readability' (with a subtext 'How type influences readability'), 'Material design guidelines' (with a subtext 'Styling text'), 'Optimize font loading' (with a subtext 'Achieve faster page load times'), and 'Google Fonts API' (with a subtext 'Get started with web fonts'). Below these filters, it indicates '51 of 1790 families'. The main result shown is 'Playwrite Australia Victoria Guides' with '1 style' and 'TypeTogether, Veronika Burian, José Scaglione' as designers. A sample of the font is displayed in a cursive style: 'Everyone has the right to freedom of thought, o'.

# Support students with limited hearing

Audio aids

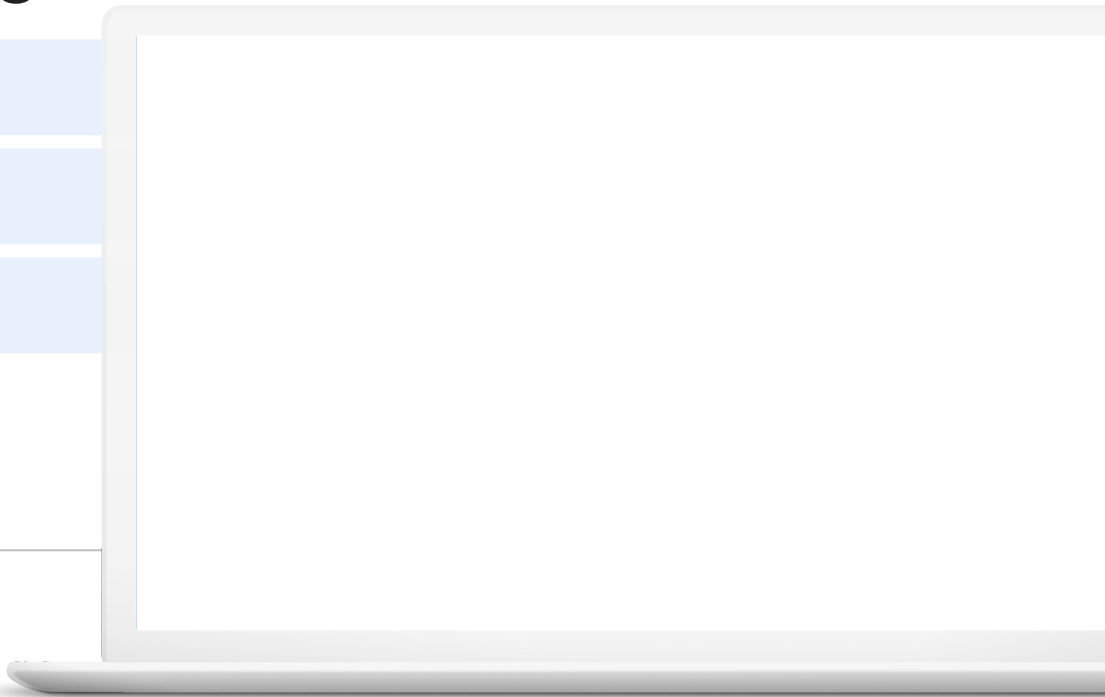
Visual aids

Supportive tools



Pro tip

Students can use live captions to stay on top of Meet conversations in noisy environments.



# Help students read and understand text on their devices

Reading mode

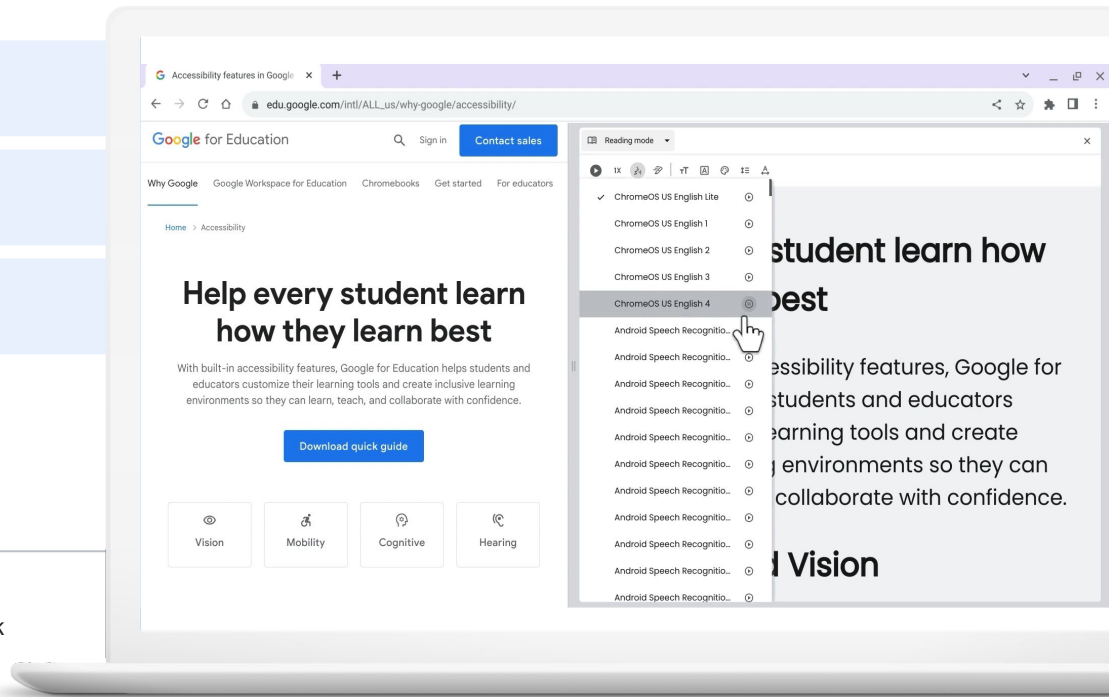
Select-to-speak

Language translation aids



Pro tip

Without face-to-face feedback on pronunciation, Select-to-speak can help students learn how to pronounce new words.



student learn how best

accessibility features, Google for students and educators learning tools and create environments so they can collaborate with confidence.

l Vision

# Make billions of PDFs more accessible

Optical character recognition (OCR) on Chromebook extracts text from PDFs and reads it aloud.



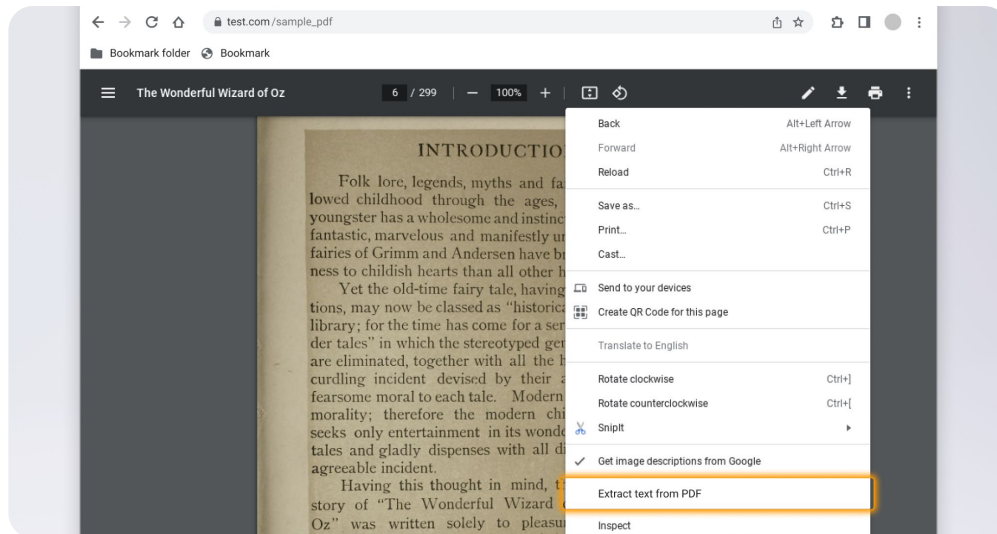
Available now



Available globally

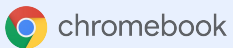


Feature showcase

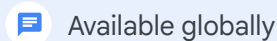


# Make reading easier for all

Summarize information and highlight specific lines using reading mode. Hear more than 100 of Google's high-quality natural voices across 29 languages with read aloud.



Available now



Available globally



Feature showcase

The screenshot shows a web browser window with the URL `edu.google.com/intl/ALL_US/why-google/accessibility/`. The page content includes the heading "Help every student learn how they learn best" and a list of accessibility features: Vision, Mobility, Cognitive, and Hearing. A "Reading mode" overlay is active on the right side of the page, displaying a list of voice options: ChromeOS US English Lite, ChromeOS US English 1, ChromeOS US English 2, ChromeOS US English 3, ChromeOS US English 4, and multiple instances of Android Speech Recognition. A mouse cursor is pointing at the "Android Speech Recognition" options. The text "student learn how they learn best" and "With built-in accessibility features, Google for Education helps students and educators customize their learning tools and create inclusive learning environments so they can learn, teach, and collaborate with confidence." is visible in the background.

# Translate in the moment

Break down language barriers and instantly display AI-translated captions with Live Translate on any app or browser on Chromebook Plus.



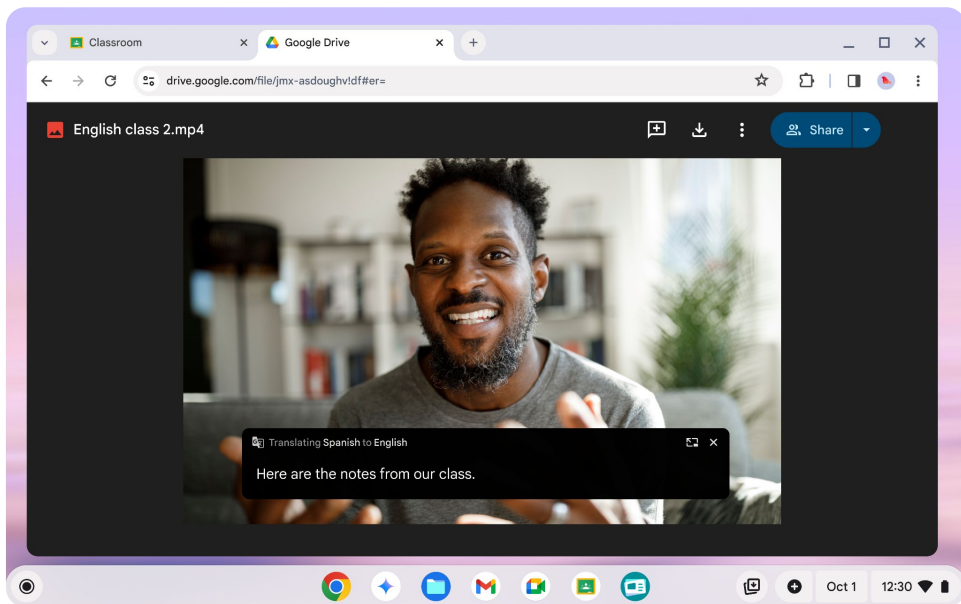
Available now



Available globally



Feature showcase



# Make learning more personal for diverse learners with Gemini and NotebookLM

Access these features in the Gemini app and NotebookLM at no charge:

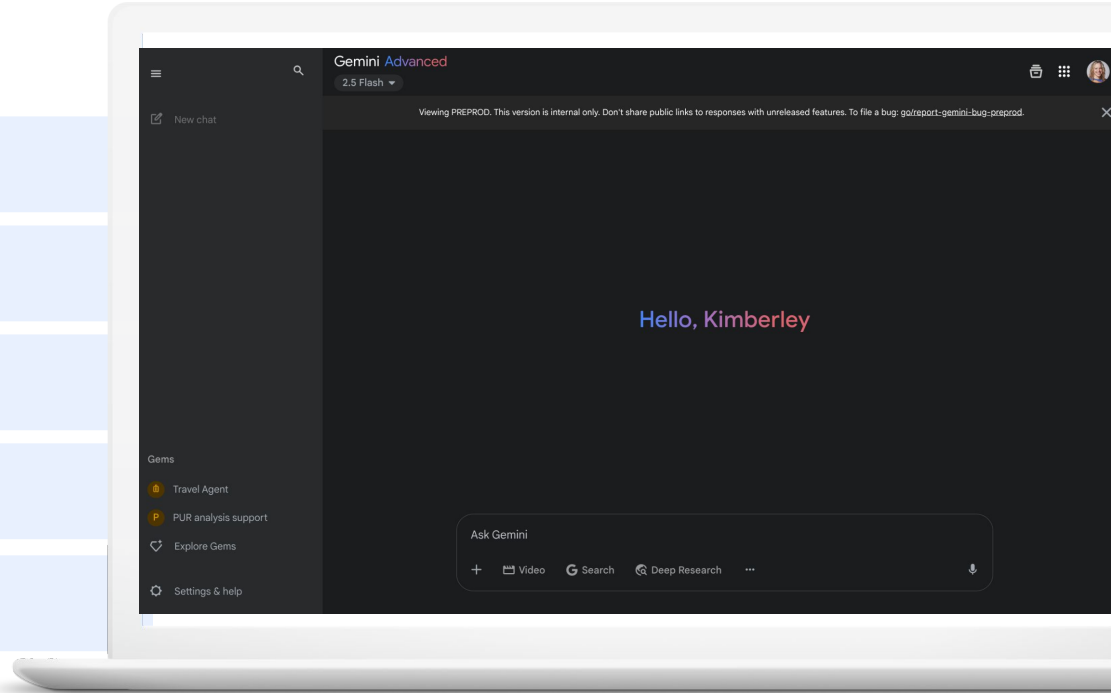
Quickly re-level texts

Create visuals as scaffolds

Leverage mind maps in NotebookLM

Generate audio overviews of materials

Use Gems to personalize lesson plans



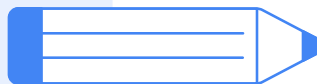
# Personalize learning materials

Use Gemini in Classroom to re-level course and practice materials for various grade levels, skill sets, and learning styles to make learning materials more or less challenging.



Available now

Available globally



Feature showcase

The screenshot displays the Gemini interface. On the left, a chat window shows a user 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 learners..." and a response: "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. Based on the lesson plan you provided, here are some suggestions for adapting it to support an English learner, a student with executive functioning needs, and an advanced writer. I'll put the revised suggestions into a document format for you." Below the chat is a document titled "Revised Persuasive Writing Lesson Plan Adaptations" dated Apr 30, 11:36 AM. On the right, a document viewer shows the content of this document, which includes a title, a summary, general considerations, learner profile details, and suggested adaptations.

**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 tools.

# Generate audio overviews

Support learners who are blind, have low vision, or are auditory learners by quickly turning class materials into engaging audio discussions led by two AI hosts in the Gemini app or NotebookLM. You can even ask the hosts to explain concepts differently or provide further information.

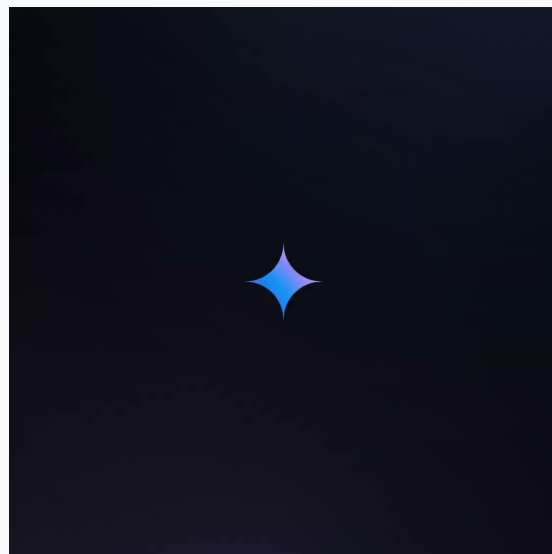
 Gemini  NotebookLM

Available now

 EN only



Feature showcase




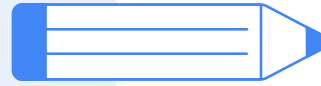
# Visually connect complex topics and concepts with Mind Maps

Instantly organize sources for easy browsing and help visual learners digest complex topics with interactive diagram

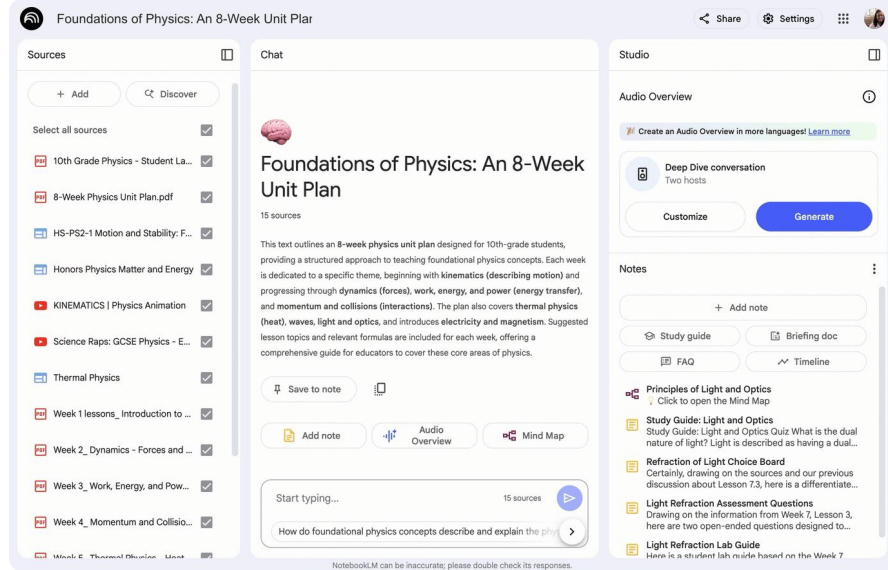
 NotebookLM

Available now

 EN only



Feature showcase



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 sections: Sources, Chat, and Studio.

- Sources:** A list of 15 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 I 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...".
- Chat:** The main content area displays the title "Foundations of Physics: An 8-Week Unit Plan" with a brain icon. Below the title, it states "15 sources" and provides a summary: "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 chat input field contains the text "How do foundational physics concepts describe and explain the ph..." and a "15 sources" button.
- Studio:** The right-hand panel shows "Audio Overview" with a "Generate" button, "Notes" with a "Add note" button, and a list of notes including "Study guide", "Briefing doc", "FAQ", "Timeline", "Principles of Light and Optics", "Study Guide: Light and Optics", "Refraction of Light Choice Board", "Light Refraction Assessment Questions", and "Light Refraction Lab Guide".

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

# Use Learning Coach and more premade Gems to deepen understanding

Assist learners with cognitive disabilities by using custom AI experts, including Learning Coach, within Gemini to help translate assignments, differentiate content, and cultivate understanding

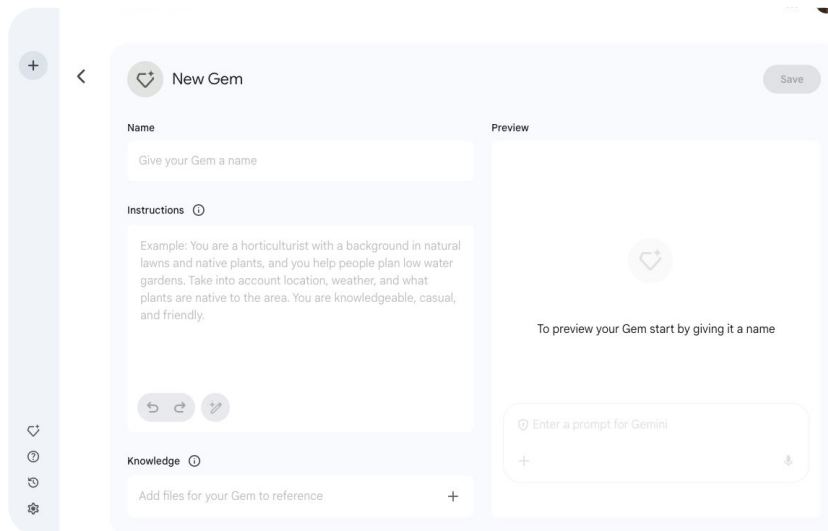


Available now

EN only



Feature showcase





# We design for all types of devices so every student has the opportunity to learn.



Globally, there are more than five billion mobile users in the world, and [more than half of all internet users rely exclusively on their mobile devices](#). The majority of teenagers (78%) use their smartphones instead of laptops to access the internet.”

**Techwire**

# Accessibility features go wherever learning happens

Chrome features are built to adapt to smaller or larger screens and include Android-specific features:



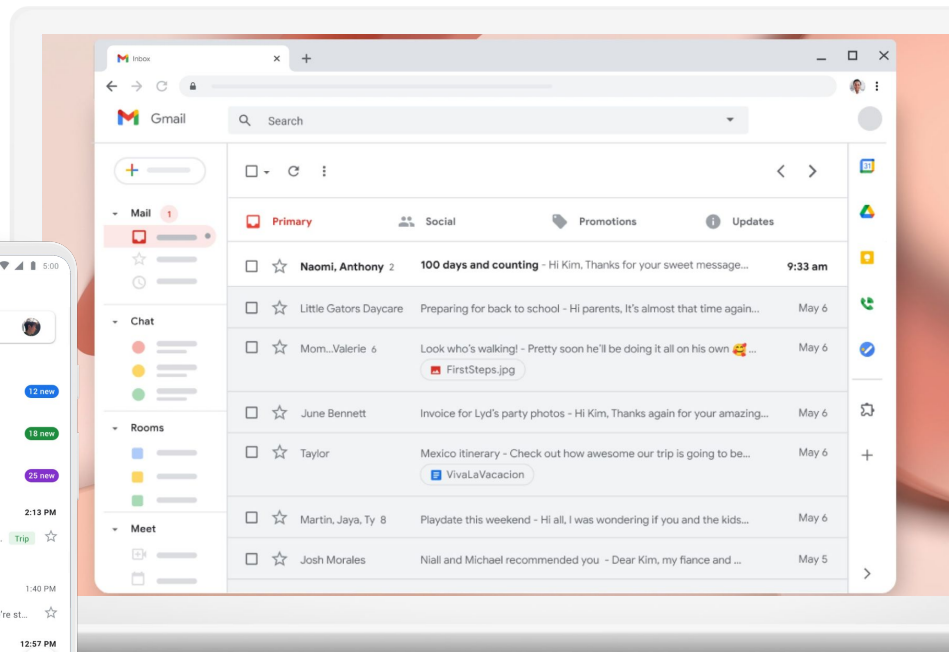
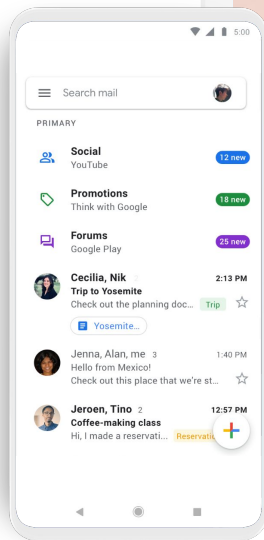
TalkBack



Live Transcribe



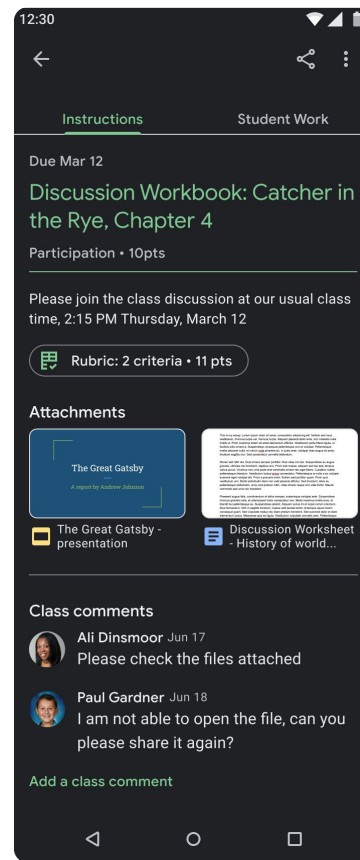
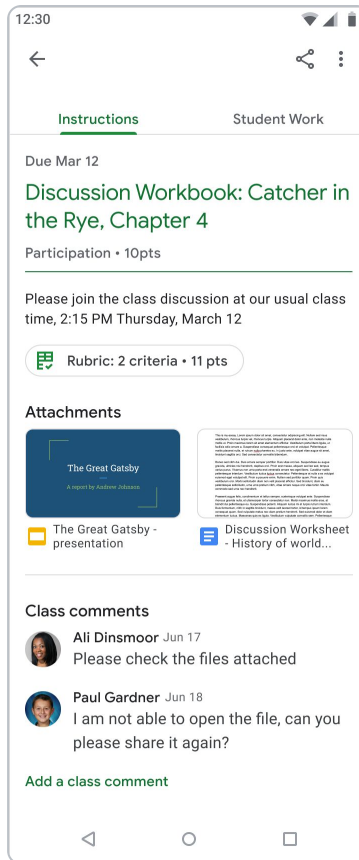
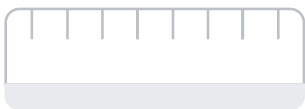
Live Caption for calls



# Reduce eye strain and increase focus



Combat eye strain with dark mode on the Google Classroom app – essential for extended studying and students with visual sensitivities.



# Visual support

## Increase visibility

On Chromebooks, Press Ctrl+Plus to increase size of browser content, Ctrl+Minus to decrease. Press Ctrl+Shift+Plus to increase the size of everything, including the tabs and shelf. Press Ctrl+Shift+Minus to decrease, Ctrl+Shift+0 to reset.

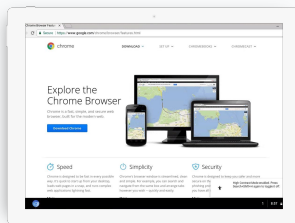
Increase size of mouse cursor, and also enable highlights around the cursor, text caret, and focus.

Extract text from PDFs using Optical Character Recognition

## High-contrast themes

Enable high-contrast themes in Gmail and browsing, and use powerful keyboard shortcuts for those who can't or don't want to use a mouse.

Use Ctrl+Search+H on Chromebooks to enable high-contrast mode.



## Zoom and magnify

Turn on the full screen magnifier to zoom the entire screen up to 20x.

Use the docked magnifier to zoom only the top 1/3 of the screen up to 20x, which reduces overall panning.



## Top tip for virtual learning

Using the OpenDyslexic font Chrome extension helps convert website typeface to a dyslexic-friendly typeface that makes it easier to read.

# Audio & captions

## Mono Audio

For any users who may have limited hearing in one ear, there's a Mono Audio option to play the same sound through both speakers. In addition, Chromebooks support the latest standards for video closed captions.

## Meet captions

Use live captions in Google Meet to display the speaker's words in real time at the bottom of the screen. The closed captioning feature is available in multiple languages.

## Slides captions

Use closed captions in Google Slides to support deaf or hard of hearing students, or your ENL learners.



## Top tip for virtual learning

Students can use live captions to stay on top of Meet conversations in noisy home environments.

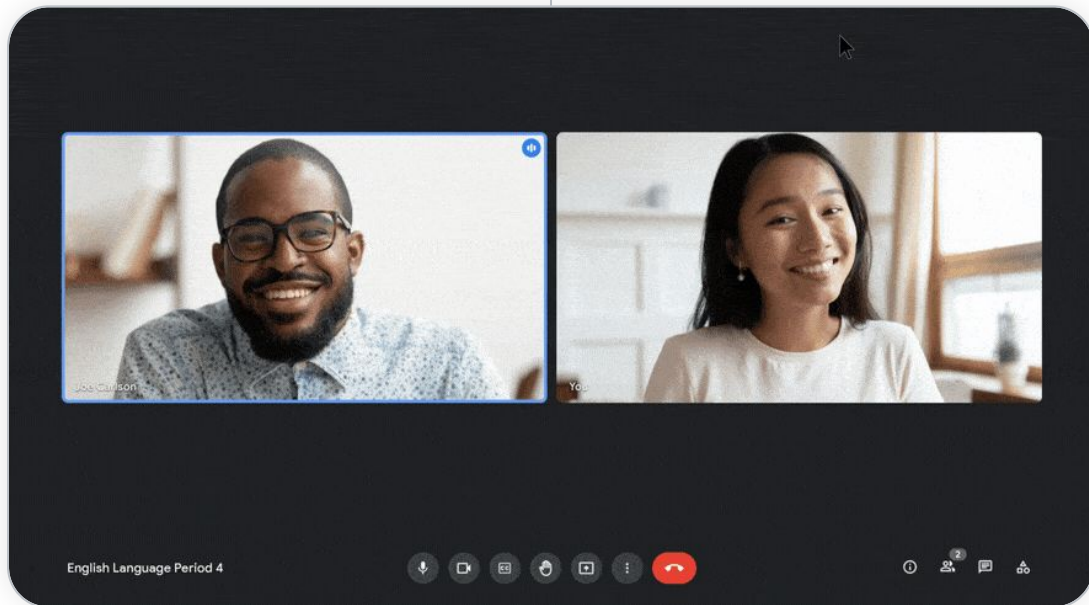
# Language barriers

## Translate transcriptions

Use the Screencast app to easily record, share, and view transcribed screencasts with your students. Provide a more inclusive learning experience for students learning a new language with real-time speech-to-text functionality that creates automatic transcripts that can be translated into a student's native language.

## Translation Hub

A self-serve document translation service enabling institutions to translate a large volume of documents into 135 different languages from Google Cloud console.



# Alternate input

## Dictation into any field

Use dictation to speak into any text field on the Chromebook. Either click on the mic icon in the status area or press Search+D to dictate.

## Keyboard and mouse settings

Use the Chromebook on-screen keyboard to type text with touch or a mouse.

Use tap to click, tap dragging, or automatic clicks to click without as much pressure on the touchpad.

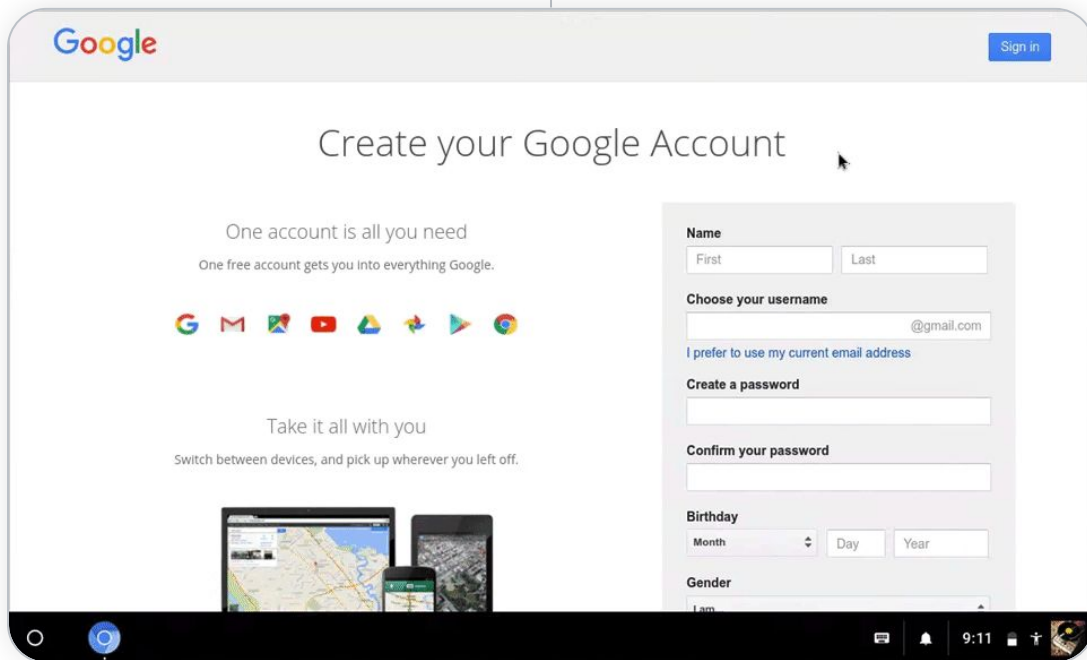
## Google Workspace voice typing, editing, and formatting

Use the mic and enable the feature to use voice typing in Docs and Slides speaker notes to write and edit without a keyboard.



## Top tip for virtual learning

Voice typing can reduce reliance on typing for students learning at home needing to communicate digitally.



# Screen reading support

## Select-to-speak

For users who only need synthesized speech on occasion, we offer Select-to-speak. Press and hold the Search key, then click or drag to select content to be read aloud. Each word is highlighted as it's read aloud for better audio/visual connection.

For longer text passages and reading scenarios, try **new natural sounding text-to-speech (TTS)** voices in ChromeOS. This uses neural network models to create lifelike voices that sound like real humans.

## ChromeVox screen reader

Read everything on the screen using the built-in screen reader **ChromeVox**. Press Ctrl+Alt+Z to enable or disable it at any time.

Purchase and use more than **100 Acapela voices** to read aloud text in 30+ languages on Chromebooks, including a variety of children's voices.

Use a **screen reader** in Docs, Calendar, Sites, Classroom, and other apps, and even in other browsers.

## Braille support

Braille users can attach a compatible USB refreshable braille display and enable ChromeVox. To enable teachers and technicians to work with visually impaired users, **both the braille and its text equivalent are also shown at the top of the screen**. Use the braille display to read and edit Docs, Sheets, Slides, and more.



## Top tip for virtual learning

Without face-to-face feedback on pronunciation, Select-to-speak can help students at home with new words.



# Accessibility: Voice-to-text & dyslexia



# Abingdon House



## Who are they?

Abingdon House, one of three SEN schools in the Cavendish Group, has **91 students**, with **82 on an EHCP**. The primary needs are **ASC (55 students)**, **ADHD/ADD (23 students)**, and **Dyslexia (20 students)**. Only 4% are fee-paying.

## What do they use?

Google Workspace for Education Plus, student and teacher Chromebooks

## Impact:

- Accessibility through built-in tools eg voice-to-text
- Personalising learning
- Blended digital pedagogy



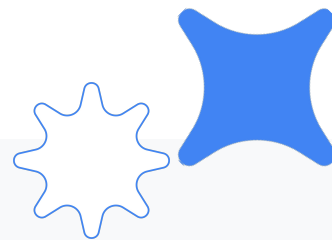
# Mason, 15 years old

## Impact of Speech-to-Text

# Handwriting - 35 words

Mason Handwriting Sample

This is a Funko pop I have a lot of them  
the 32 most of them are Vietnam of  
the 1 and some of them are from dragon  
112 - I have most of them in my  
room because it makes my room



Typing- 38 words

I like playing dnd a lot because its give me time to relx and see and play with my friend outside of school . i have been playing dnd of about three yares now. I have keep the same.



## Voice Typing - 163 Words

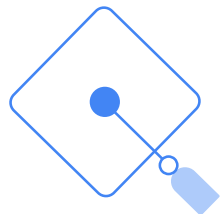
This is Spider-Man 2 which comes out on the 20th October I have been waiting for this game for nearly a year now. The main reason I want to play this game is because I'm a very big fan of venom and he is the main point of this game. Soon that's going to be a game in Comic-Con and a couple weeks time and people think by man might be there for people to play a short bit of the game.

I think I'm mostly going to play as Peter's Spider-Man because you can play as both Spider-Man. Spider-Man is one of my old time favorite game and I can't wait for the sequel. Everyday there is new information revealed about the game and I like to look on YouTube to see what's new. In the game you can play as both Spider-Man and you can use the Venom symbiote for most of the game but he's going to be the main villain.

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**When students have the  
right tools for learning, they  
can **build their confidence**  
and **do their best work.****

## Helpful resources

- [Google for Education accessibility page](#)
- [Google accessibility page](#)
- [Accessibility Training YouTube playlist](#)
- [Google Workspace accessibility user guide](#)
- [Chromebook accessibility user guide](#)
- [Accessibility tools one-pager](#)
- [One-pager with resources for specific learning disabilities](#)
- [Accessibility flashcards](#)
- [Apps and extensions for accessibility](#)
- [How technology can help diverse learners thrive](#)



## Video and help center content



### Training series & resources for teachers:

- [Google for Education Tools for Diverse Learners](#)
- [ACVREP Chromebook accessibility training](#)



### Screen reader resources:

- [Use a screen reader with Classroom on your computer \(for students\) - Classroom Help](#)



### Google Meet resources:

- [Set up Meet for distance learning - Google Workspace Admin Help](#)
- [HC article on how to use closed captions in Meet](#)



### Admin & user guides:

- [Google Workspace user guide to accessibility - Google Workspace Admin Help](#)
- [Google Workspace admin guide to accessibility - Google Workspace Admin Help](#)



### Google Docs resources:

- [Translate documents or write in a different language - Computer - Docs Editors Help](#)



### YouTube content:

- EDU in 90: [Chromebook Accessibility](#)
- EDU in 90: [Google Workspace Accessibility](#)
- EDU in 90: [Chrome & ChromeOS Accessibility](#)
- [Google Accessibility YouTube series](#)



### Webinars on accessibility through Education on Air

- [Education OnAir](#)
- [Supporting IEPs during Distance Learning](#)



### Additional help content:

- [Get help with Google for Education - Google for Education Help](#)
- [Turn on Chromebook accessibility features - Chromebook Help](#)
- [Google Classroom Accessibility Conformance Report \(VPAT\)](#)

# Explore additional accessibility resources



Google for Education accessibility site:

[edu.google.com/accessibility](https://edu.google.com/accessibility)



Contact support:

[disability-support@google.com](mailto:disability-support@google.com)



Google Workspace accessibility help page:

[support.google.com/accessibility](https://support.google.com/accessibility)



Google Groups:

- [accessible@googlegroups.com](mailto:accessible@googlegroups.com)
- [chromebook-accessibility@googlegroups.com](mailto:chromebook-accessibility@googlegroups.com)
- [chromevox-discuss@googlegroups.com](mailto:chromevox-discuss@googlegroups.com)



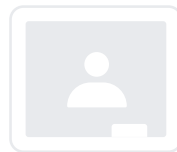
Chromebook Help Center:

- [Accessibility](#)
- [Chrome & ChromeOS Accessibility videos](#)
- [Chrome Web Store Accessibility category](#)



Google for Education Teacher Center:

[Tools for Diverse Learners module](#)





# Thank you

Google for Education



# Appendix

Explore more resources, detailed product features, global statistics, and a day in the life of students.



## Helpful resources

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# Vision Support Deepdive



# Help students read and understand text on their devices

Reading mode

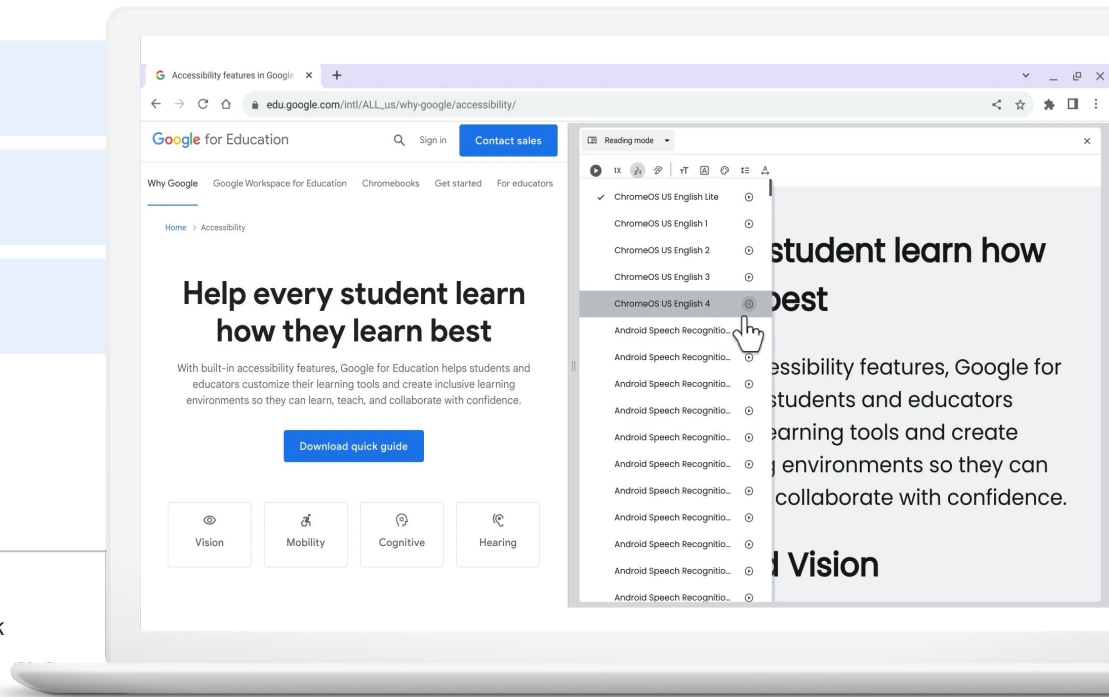
Select-to-speak

Language translation aids



Pro tip

Without face-to-face feedback on pronunciation, Select-to-speak can help students learn how to pronounce new words.



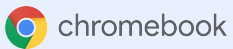
student learn how  
best

accessibility features, Google for  
students and educators  
learning tools and create  
environments so they can  
collaborate with confidence.

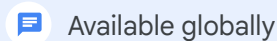
l Vision

# Make reading easier for all

Summarize information and highlight specific lines using reading mode. Hear more than 100 of Google's high-quality natural voices across 29 languages with read aloud.



Available now



Available globally



Feature showcase

The screenshot shows a web browser window with the URL `edu.google.com/intl/ALL_US/why-google/accessibility/`. The page content includes the heading "Help every student learn how they learn best" and a list of accessibility features: Vision, Mobility, Cognitive, and Hearing. A "Reading mode" overlay is active on the right side of the page, displaying a list of voice options: ChromeOS US English Lite, ChromeOS US English 1, ChromeOS US English 2, ChromeOS US English 3, ChromeOS US English 4, and multiple instances of Android Speech Recognition. A mouse cursor is pointing at the "Android Speech Recognition" option. The text "student learn how they learn best" and "With built-in accessibility features, Google for Education helps students and educators customize their learning tools and create inclusive learning environments so they can learn, teach, and collaborate with confidence." is visible in the background.

# Make billions of PDFs more accessible

Optical character recognition (OCR) on Chromebook extracts text from PDFs and reads it aloud.



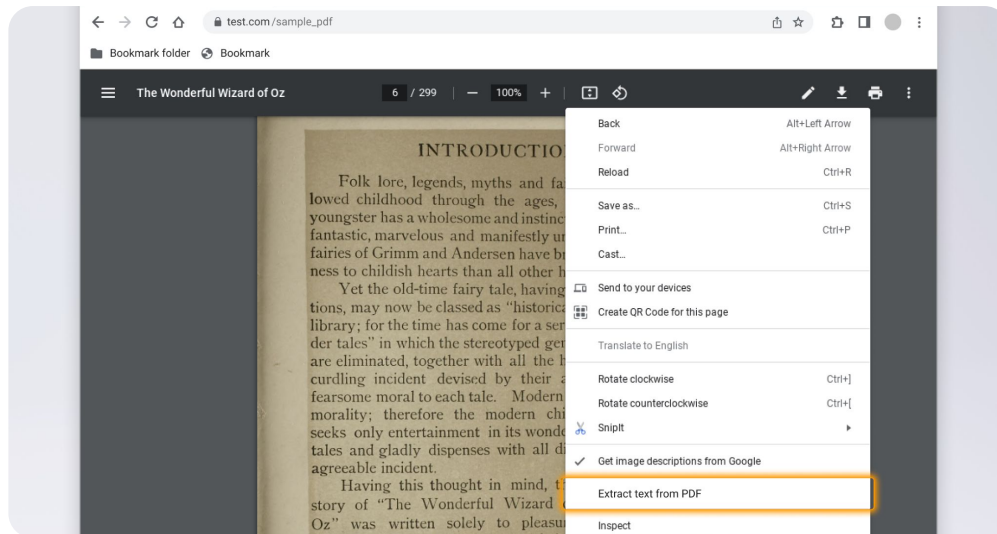
Available now



Available globally



Feature showcase



# Alternate input

## Dictation into any field

Use dictation to speak into any text field on the Chromebook. Either click on the mic icon in the status area or press Search+D to dictate.

## Keyboard and mouse settings

Use the Chromebook on-screen keyboard to type text with touch or a mouse.

Use tap to click, tap dragging, or automatic clicks to click without as much pressure on the touchpad.

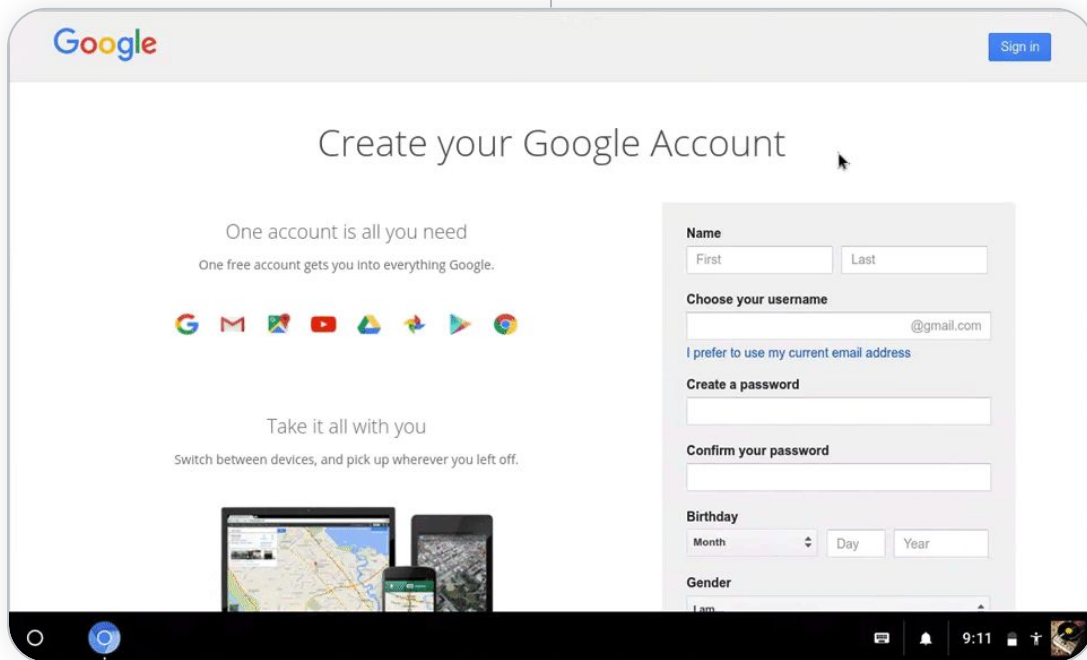
## Google Workspace voice typing, editing, and formatting

Use the mic and enable the feature to use voice typing in Docs and Slides speaker notes to write and edit without a keyboard.



## Top tip for virtual learning

Voice typing can reduce reliance on typing for students learning at home needing to communicate digitally.



# Screen reading support

## Select-to-speak

For users who only need synthesized speech on occasion, we offer Select-to-speak. Press and hold the Search key, then click or drag to select content to be read aloud. Each word is highlighted as it's read aloud for better audio/visual connection.

For longer text passages and reading scenarios, try **new natural sounding text-to-speech (TTS)** voices in ChromeOS. This uses neural network models to create lifelike voices that sound like real humans.

## ChromeVox screen reader

Read everything on the screen using the built-in screen reader **ChromeVox**. Press Ctrl+Alt+Z to enable or disable it at any time.

Purchase and use more than **100 Acapela voices** to read aloud text in 30+ languages on Chromebooks, including a variety of children's voices.

Use a **screen reader** in Docs, Calendar, Sites, Classroom, and other apps, and even in other browsers.

## Braille support

Braille users can attach a compatible USB refreshable braille display and enable ChromeVox. To enable teachers and technicians to work with visually impaired users, **both the braille and its text equivalent are also shown at the top of the screen**. Use the braille display to read and edit Docs, Sheets, Slides, and more.



## Top tip for virtual learning

Without face-to-face feedback on pronunciation, Select-to-speak can help students at home with new words.

# Harnessing the power of Gemini

## Image/Screen Description

Through its multimodal capabilities, Gemini can analyze uploaded images or the current screen content (especially when integrated with TalkBack on Android). Users can ask, "Describe this chart" or "What does this diagram show?"

**Key Benefit:** Makes visual content accessible by converting it into descriptive, spoken text, providing context that a traditional screen reader cannot.

## "Live Video Mode" (Mobile)

By pointing their phone camera at a scene (like a textbook page, a sign, or a lab setup), users can ask Gemini questions about what's in front of them and receive real-time spoken feedback.

**Key Benefit:** Real-time environmental assistance for navigating or interacting with the physical world, great for lab work or finding information on a whiteboard.

## Text-to-Speech/Read Aloud

Gemini can be prompted to read its responses or entire pages/documents aloud with a natural-sounding voice.


**Key Benefit:** Provides a high-quality auditory experience for consuming content with better flow and intonation than standard screen readers.

# Generate audio overviews

Support learners who are blind, have low vision, or are auditory learners by quickly turning class materials into engaging audio discussions led by two AI hosts in the Gemini app or NotebookLM. You can even ask the hosts to explain concepts differently or provide further information.

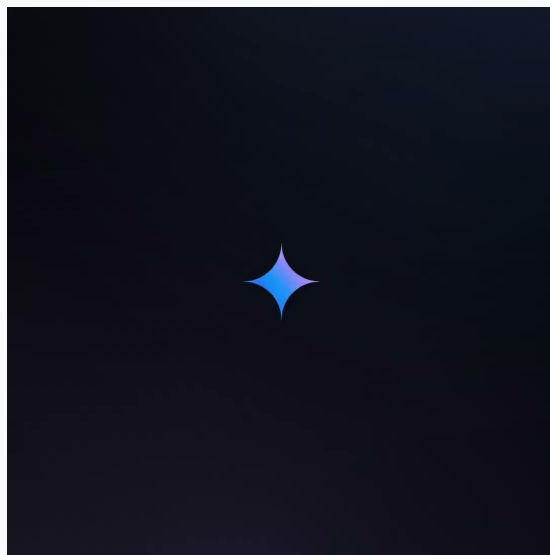
 Gemini  NotebookLM

Available now

 EN only



Feature showcase



# Make learning more personal for diverse learners with Gemini and NotebookLM

Access these features in the Gemini app and NotebookLM at no charge:

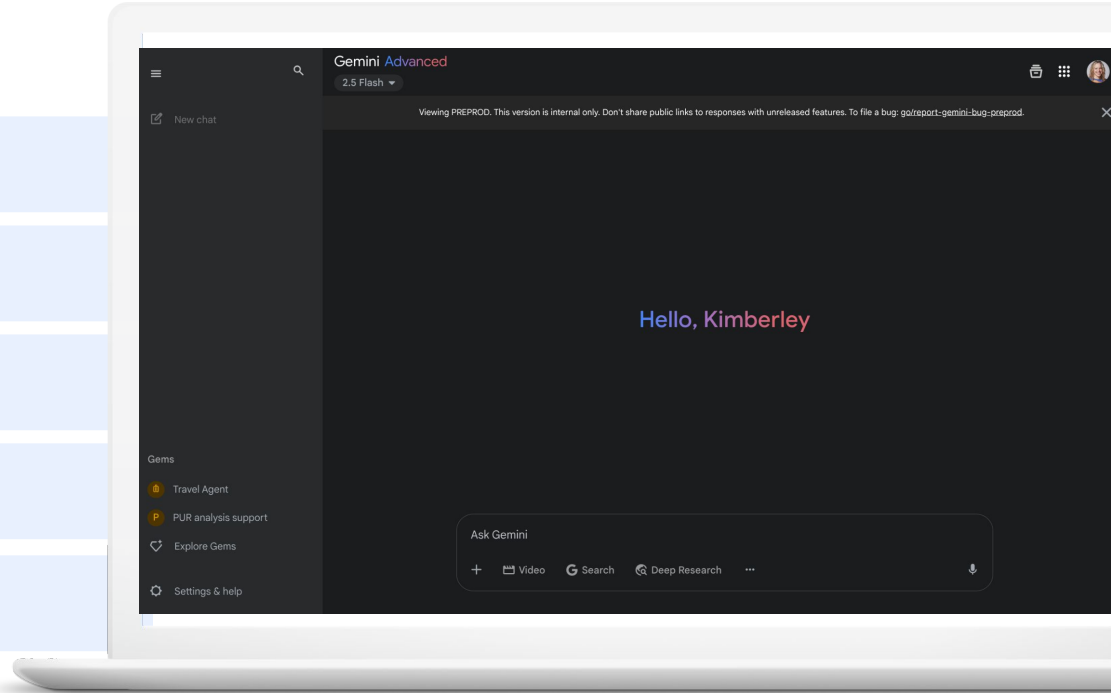
Quickly re-level texts

Create visuals as scaffolds

Leverage mind maps in NotebookLM

Generate audio overviews of materials

Use Gems to personalize lesson plans



# Captioning Deepdive



# Augmenting YouTube



Transcript

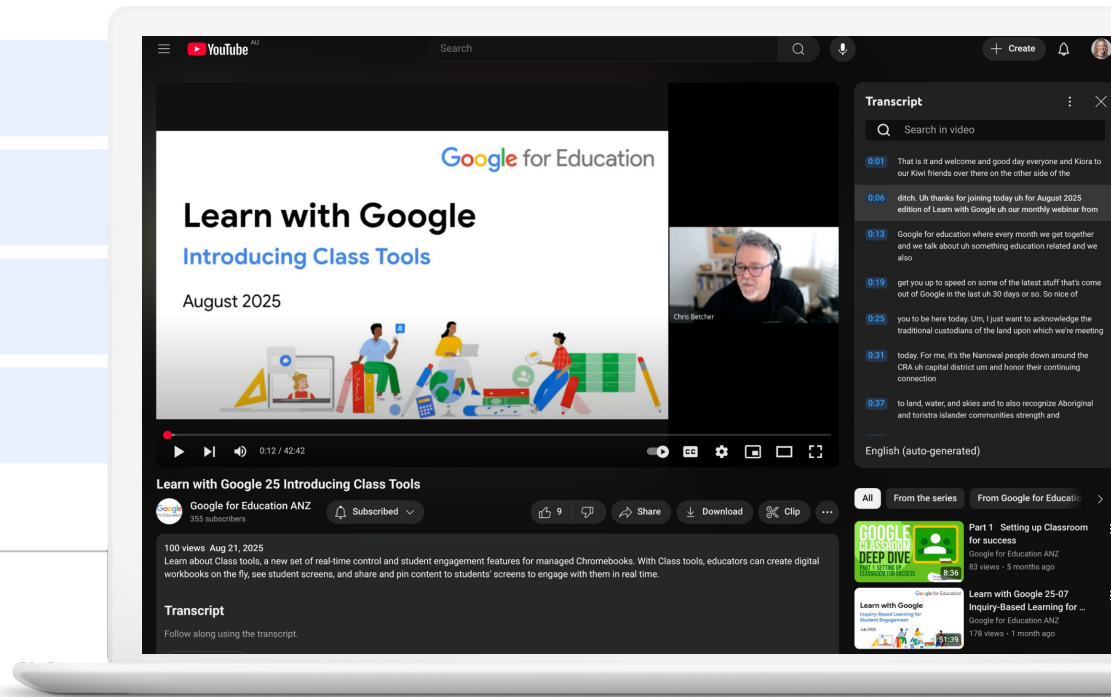
Closed Captions

Custom Caption look and feel

Translated captions



Below the video, look for the description and the three dots which will expand the information and uncover the transcript



# Captioning in Slides



Google Slides

Turn on captioning and customise the preferences right from the presenter menu options



A screenshot of the Google Slides presenter view. The main slide content is visible, including the text "draw letters with confidence and accuracy by providing customized fonts for 40 countries and counting." Below this is a blue banner that says "Available now" and a row of application icons. A presenter menu is open over the slide, listing options: "Open speaker notes", "Turn on the laser pointer", "Turn on the pen", "Exit full screen", "Swap displays", "Exit slideshow", "Auto-play", "Captions preferences", and "More". On the right side of the presenter view, there is a vertical sidebar with icons for "Fonts", "Noto", "Icons", "Knowledge", and "FAQ". At the bottom of the presenter view, there is a navigation bar with a back arrow, the number "20", a forward arrow, and a refresh icon.

# Captioning in Drive

Add caption tracks to your video files  
of have them automatically  
generated for you



Google Drive

The screenshot shows the Google Drive Help interface. At the top, there's a search bar with the text 'Describe your issue'. Below it, navigation links for 'Help Center', 'Community', and 'Find, delete, and recover files' are visible. The main content area is titled 'Add caption tracks to your video files' and includes an introductory paragraph: 'You can make your video content available to a larger audience when you add captions. If you want to reach deaf, hard-of-hearing viewers, or speakers of different languages, captions help these groups understand your videos.' Below this, it states: 'To add caption tracks, use a caption file, which contains the text and other information to time your captions with your video.' There are three tabs: 'Computer' (selected), 'Android', and 'iPhone & iPad'. A list of steps follows: 'Prepare your caption file', 'Basic File Formats', 'Advanced file formats', 'Broadcast file formats', 'Upload captions', and 'Edit caption tracks'. On the right side, there's a sidebar with the heading 'Images, videos, and other file types' and three links: 'Store & play video in Google Drive', 'Add caption tracks to your video files', and 'View & open files'. At the bottom right, there's a 'Watch video tutorials' section with the Google logo and a call to action: 'To get the latest tips, tricks, and how-to's, subscribe to our YouTube Channel.'

# Translate in the moment

Break down language barriers and instantly display AI-translated captions with Live Translate on any app or browser on Chromebook Plus.



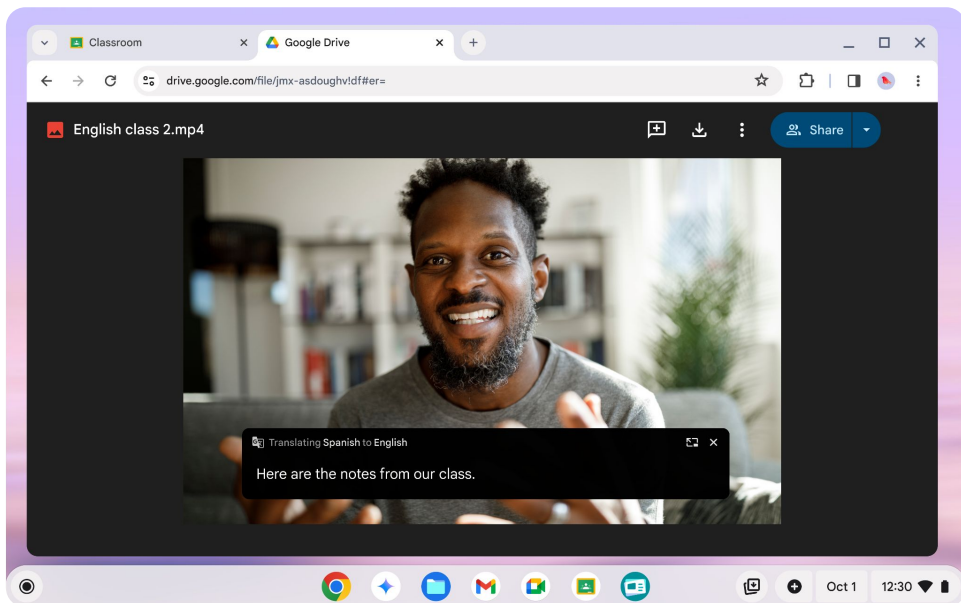
Available now



Available globally



Feature showcase



# Support students with limited hearing

Audio aids

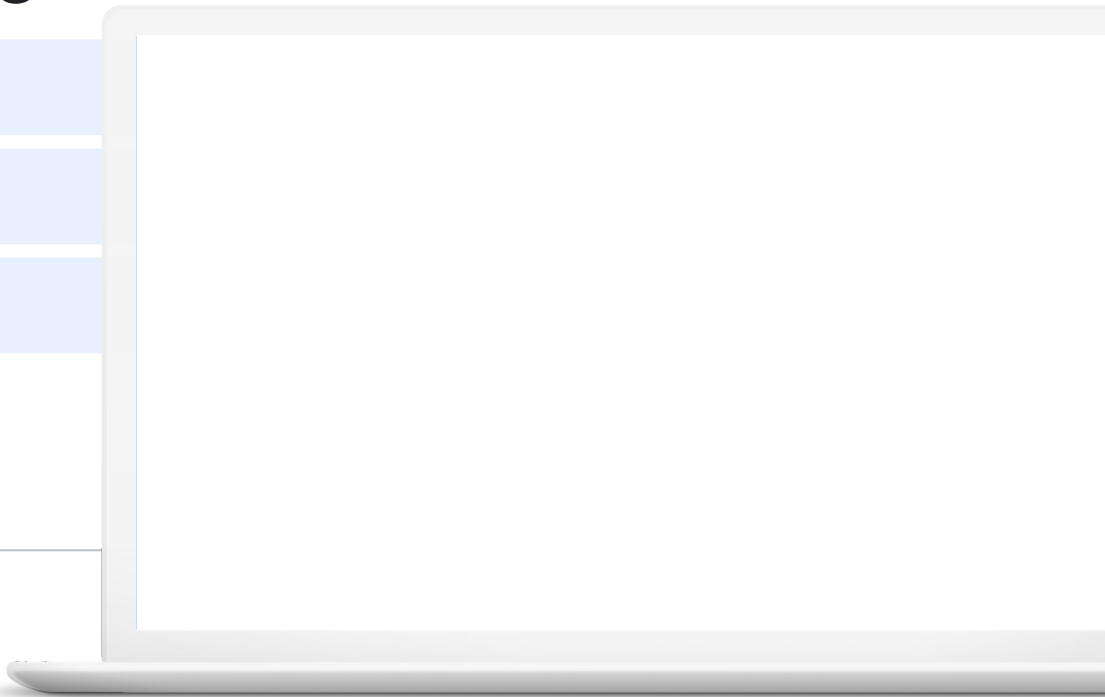
Visual aids

Supportive tools



Pro tip

Students can use live captions to stay on top of Meet conversations in noisy environments.



# Accessibility features go wherever learning happens

Chrome features are built to adapt to smaller or larger screens and include Android-specific features:



TalkBack



Live Transcribe



Live Caption for calls

