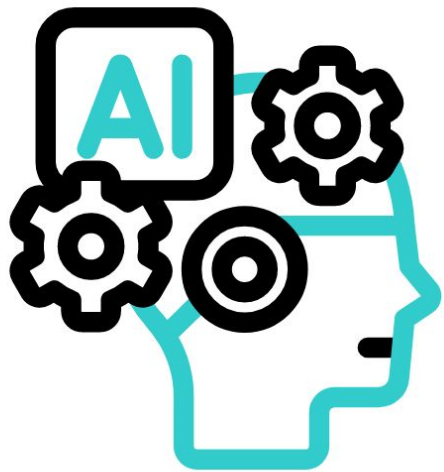




AI 101 for Teachers: Practical Strategies for Educators

Empowering your classroom with
Gemini, NotebookLM, and Brisk

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Attendance link:
<https://bit.ly/sita26attend>

AI overview



- Generative AI, is a prediction machine.
- Gen AI has been trained on a massive "library" of human output—text, images, video and code—to understand patterns.
- When you provide a prompt (instructions), the AI analyzes the patterns it has learned to predict and assembles the most likely sequence of words, pixels, or code to create something entirely new.



To understand lets play...



Can a neural network learn to recognize doodling?

When you play Quick, Draw!, you are not just drawing—you are teaching an Artificial Intelligence!

- **Training the AI:** Every picture you draw and label correctly becomes a "lesson" for the AI. It learns by looking at thousands of examples of what a “cat” or a “shoe” looks like, drawn by people all over the world.
- **Input and Output:** Your drawing is the **input**. The AI uses an **algorithm** (a set of rules) to compare your drawing to all the examples it has seen. Its guess is the **output**.
- **The Power of Data:** The more data (drawings) the AI sees, the smarter and more accurate it becomes at recognizing new drawings. You are actively contributing to its learning process!

Instructions:

1. Play the Game (3-5 minutes)

- Go to the Game: Click the button **Let's Draw!** to start.
- Draw Fast: The AI will give you six random objects to draw. You have 20 seconds for each one.
- Listen Closely: Pay attention to what the AI guesses while you are drawing.



Let's Draw!

<https://quickdraw.withgoogle.com/>

2. Observe and Reflect (2 minutes)

- After you finish all six drawings, look at your results.

Successes: For the drawings the AI guessed correctly, ask yourself: *What details did I include that helped the AI understand my drawing.*

Challenges: For the drawings the AI missed, ask yourself: *What details did the AI get stuck on? What could I have done differently?*

Three Essential AI Tools for Educators

Google Gemini

Your versatile AI assistant for writing, planning, and learning.



Gemini Notebook

A research tool grounded strictly in your uploaded documents.



Brisk Teaching

A Chrome extension for real-time scaffolding, feedback, and grading.



The Key to AI is Effective Prompting

- A prompt is your instruction to the chatbot.
- High-quality, specific prompts yield better responses.
- Remember: "**garbage in, garbage out.**"
- One of the most important things to remember is that prompting is **iterative**.
- Google's AI Principles require a human-in-the-loop

Build Prompts with the PARTS Framework



P

Persona

Identify who you are or the role the AI should take.

Ex: You are a 8th grade ELA Teacher.

A

Aim

State your objective clearly—what exactly do you want to achieve?

Ex: Create an assessment for...

R

Recipient

Specify your audience.
Ex: 8th grade students at 800 lexile level

T

Theme

Describe the tone and parameters. Like "analytical and formal" or "humorous and engaging."

Ex: The tone should be conversational and engaging.

S

Structure

Note the desired output format, such as a bulleted list, a rubric, or a 30-second script.

Ex: Provide student facing instructions, as well as a teacher script for the activity.

Resources:

- Prompting Guide 101 - [Resource link](#)
- Prompt Samples from Eric Curts - [Resource link](#)
- Prompt Library GenAI Literacy - [Resource link](#)



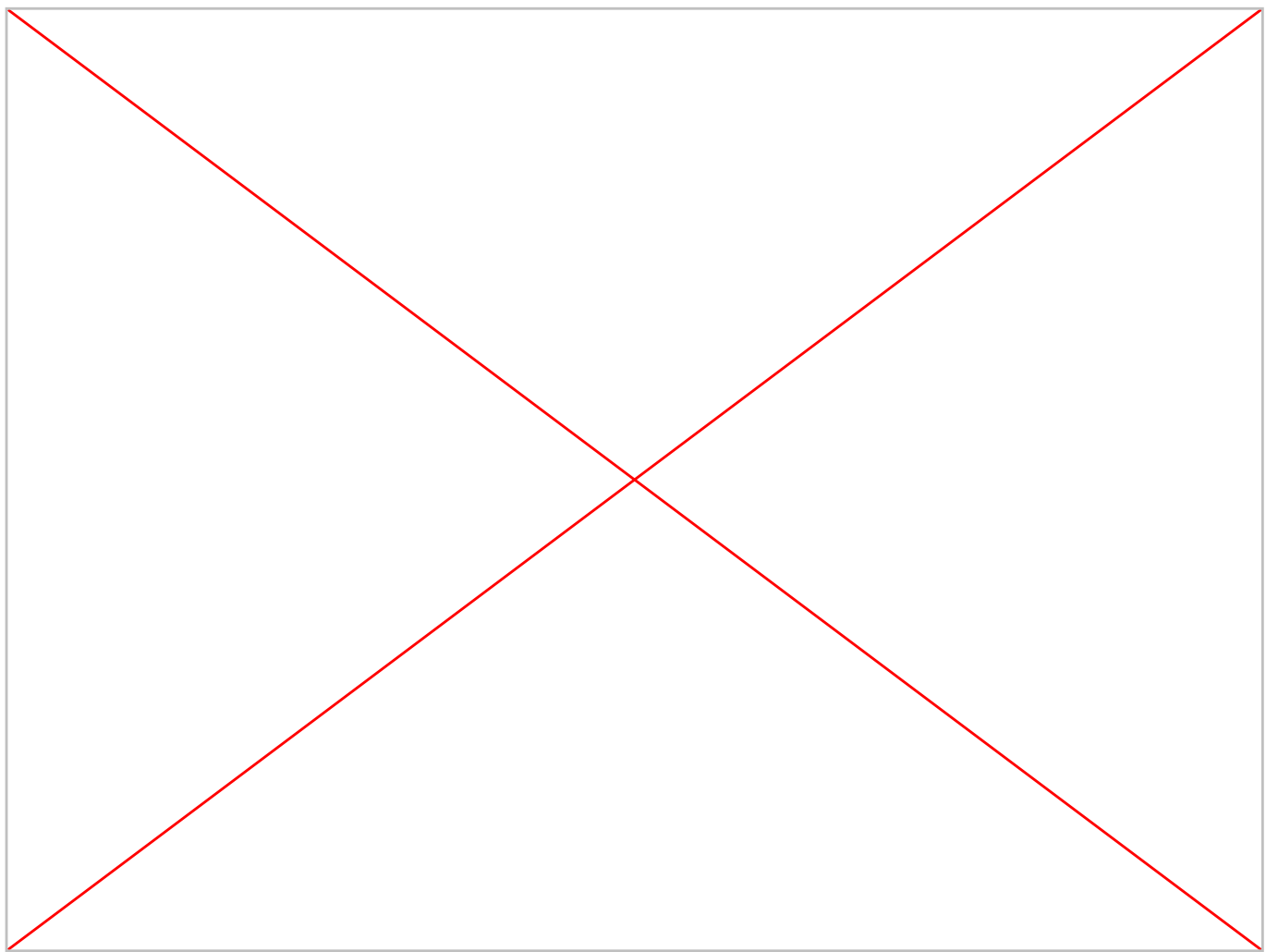
Resources for Gemini what you can find...



EduGems, created by Eric Curts, is a curated collection of pre-made prompts—referred to as "Gems"—specifically designed for educators to use with Google Gemini. The site serves as a resource hub to help teachers integrate AI into their workflows and classrooms more efficiently.

- **Ready-to-Use "Gems":** A wide variety of prompts categorized by use case, such as [Lesson Planning](#), [Student Activities](#), and [Professional Tasks](#).
- **Customization:** Users can click on any "Gem" to see details, use it immediately in Gemini, or make a copy to customize for their own needs.
- **Instructional Support:** The site includes a [tutorial video](#) on how to create and share Gems, along with more general [Gemini resources](#).
- **Community Driven:** Educators can [submit their own Gems](#) to be included in the collection.





Accelerate Your Curriculum Planning



Lesson Plans

Rapidly draft lesson plans and create grading rubrics.



Choice Boards

Generate customized choice board activities.



Reading Levels

Easily adapt materials to meet specific student reading levels.



Accommodations

Design accommodations for special education requirements.

Design Interactive Student Experiences



- ✓ Transform key concepts into engaging narratives.
- ✓ Generate “Choose Your Own Adventure” stories.
- ✓ Create “Two Truths and a Lie” games.
- ✓ Design historical role-playing simulations to captivate students.

And more...

 Gemini Notebook



- Upload your specific syllabus, readings, or slides.
- Generate study guides and FAQs based **only** on your documents.
- Review inline citations to easily verify information.
- Create engaging audio overviews of your materials.
- Generate quick exit tickets and quizzes from current pages.
- Integrate AI directly into your Chrome browser workflow.
- Instantly adjust reading levels of web articles.

enjoying the fresh air, scenery, and wildlife.

By following these tips, you can help your daughter discover the j
and create lasting memories together.



Share & export

Enter a prompt here (English only)

Gemini may display inaccurate info, including about people, so double-check its responses.

Navigating AI Chatbot Limitations

SYSTEM WARNING & LIMITATIONS

Biases

AI reflects societal biases found in its training data.

Misinformation

Chatbots can invent facts or use faulty logic.

Hallucinations

AI may generate entirely fabricated, yet believable, outputs.

REQUIRED ACTION

Always verify generated content.

Start Small and Iterate



- ✓ **Begin** with a single administrative task or lesson hook.
- ✓ **Use Gemini's** "Google It" button to easily verify facts.
- ✓ **Click** "Modify response" to quickly adjust length or tone.
- ✓ **Refine prompts** iteratively instead of starting over.

Message from Google



Continue Your AI Journey

- ✓ Explore the Google AI Educator Series for self-paced training.
- ✓ Access K-12 and Higher Ed pedagogical modules.
- ✓ Earn your AI-Ready certification badges.

Visit: goo.gle/ges

Evaluation link:
<https://bit.ly/sita26evaluation>