

DITCH THAT TEXTBOOK'S

AI TEACHER

TOOLKIT



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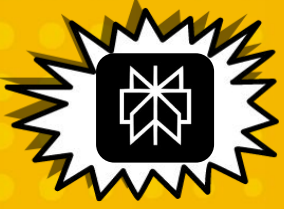
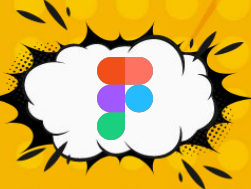
This resource was created by
Ditch That Textbook. To learn
more about AI in the
classroom visit
DitchThatTextbook.com/ai-edu





***40 AI TOOLS
FOR TEACHERS***

40 AI TOOLS FOR TEACHERS





MICROSOFT DESIGNER

Microsoft Designer is a graphic design app that uses AI to help users create professional-quality designs quickly. Users can start with their own ideas or images, and Designer will generate unique designs and offer personalized recommendations.



MICROSOFT COPILOT

Microsoft Copilot is an ChatGPT-4 powered chatbot that can help you browse the web, answer questions, and much more. Microsoft Copilot can also be used as a creative tool, helping you write poems, stories, or even share ideas for a project



IDEOGRAM

Ideogram is an AI image generator. Type a description of the image you'd like to generate. Ideogram generates your image -- and it can even improve your description/prompt with AI.

EDUCATION COPILOT

Need a starting point for your lesson plans? Education Copilot provides you with AI generated templates for lesson plans, writing prompts, educational handouts, student reports, project outlines and lots more.



CANVA

Canva Magic Classroom is a suite of AI tools designed for educators. It includes features such as Magic Design, a free AI design tool, and Magic Write, an AI text generator and writer that assists in generating written content.



MIRRORTALK

MirrorTalkAI is an AI-powered tool designed to facilitate meaningful reflection in just 5 minutes a day. It uses AI to ask users thoughtful questions. MirrorTalkAI talks learners through their learning experiences, goals, and challenges. It analyzes students' responses for you, telling you what you need to know and giving you and the student suggestions.



DIFFIT FOR TEACHERS

Diffit allows you to get leveled resources for literally anything. You can adapt existing materials for any reader, generate "just right" resources for any topic and then edit and share resources with students.



SUNO

Suno is a generative AI music creation program that generates realistic songs combining vocals and instrumentation, or purely instrumental tracks. It operates by producing songs based on text prompts provided by users



CHAT GPT

ChatGPT is a generative AI chatbot that interacts with you conversationally, the way a human would. It's trained with information from all over the internet and tons of other sources -- and it's been trained by humans to interact with you in an authentic way.



FIGJAM JAMBOT

Jambot is a FigJam widget that brings the power of ChatGPT's AI to your boards.



NOLEJ

Nolej generates lots of interactive educational content -- like all-in-one courses, interactive videos, assessments, and plug-and-play content.



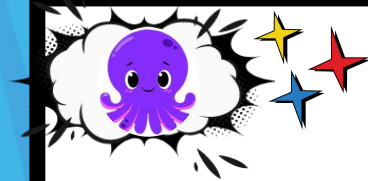
EDUAIDE

Eduaide.ai is an AI-powered teaching assistant designed to help teachers with lesson planning, instructional design, and generating educational content.



AUTODRAW

AutoDraw is a free, web-based drawing tool created by Google that uses artificial intelligence to help users create professional-looking drawings and illustrations quickly and easily. It has been around for a long time and its simplicity means that anyone, at any age, can use it to try AI.



PICTORY

Pictory AI is a really cool platform that makes it super easy to create engaging videos. It uses advanced AI technology to help you turn your written scripts or articles into captivating videos. You can even add your own voice or use an AI voiceover to bring your video to life.

 TA

TeachAid

TeachAid automates lesson prep as your AI teaching assistant. It includes lesson planning, assessment planning, interactive presentations, and learning activities. It includes several tools you'd find in different apps all in one spot.

 CURIPOD

Give Curipod aia topic, and it will generate an interactive slide deck for you in seconds, including:

- Polls
- Word clouds
- Open-ended questions
- A drawing tool

 S

schoolai

SchoolAI is an all-in-one AI platform that's designed for K12 teachers and students. It offers teacher tools to get tasks done -- and student-facing custom AI chatbots. It includes built-in student monitoring and controls for teachers.

 PERPLEXITY

Perplexity is another generative AI chatbot that lets users ask questions and get responses conversationally.

 GOOGLE
NOTEBOOKLM

Google's NotebookLM summarizes the sources that you provide into text -- and even audio! -- resources to help you understand it better. Google calls it "your personalized AI research assistant."

 B

BRISK TEACHING

Brisk Teaching is a free Chrome extension that uses AI to help teachers save time and improve their teaching methods. Brisk integrates with Google Classroom, Docs, Slides, YouTube, Canvas, and Schoology, allowing teachers to: create instructional materials, provide feedback, evaluate student writing, adjust reading levels, and generate personalized curriculum.

 snorkl

SNORKL

Snorkl is an educational platform that allows students to record and share their spoken thoughts, powered by AI transcription and analysis tools



PARLAY

Parlay Genie (part of Parlay) is a discussion prompt generator. It generates higher-order thinking questions for your class based on a topic, a YouTube video, or an article. It uses ChatGPT to generate prompts for your students.



ANTIMATTER SORCERER

Antimatter has added to its fun meme and text messaging classroom tools with Sorcerer. Create a sorcerer -- an AI chatbot and choose topics it'll discuss with your students. As students interact with the Sorcerer, it ranks the student's mastery of the topic.

twee

TWEE

Twee is an AI-powered tool designed to simplify lesson planning for English teachers by generating questions, dialogues, stories, letters, articles, multiple-choice questions, true/false statements, and more.

GRAMMARLY



Grammarly is your online writing assistant. Using artificial intelligence, it helps you compose bold, clear, mistake-free writing. Grammarly's AI checks grammar, spelling, style, tone, and more.

PI

PI

Pi is your personal AI companion, ready to assist you with various tasks and provide answers to your queries. It's designed to be supportive, smart, and available whenever you need it.



ADOBE CREATIVE EXPRESS

Adobe Express incorporates Adobe's Firefly generative AI model, which gives users new ways to bring their ideas to life. With generative AI, you can create custom images and text effects using text prompts. As an educator you can use this feature to generate unique and engaging visuals for your lessons and activities.



QUIZLET Q-CHAT

Q-Chat is an AI-powered tutoring assistant integrated into the Quizlet learning platform. It can answer questions, explain concepts, and provide study help across various subjects.



GOOGLE GEMINI

Google Gemini is an experimental conversational AI chat service developed by Google. Google Gemini is designed to engage in text-based conversations with users, offering responses and generating human-like dialogue.



KHANMIGO

Khanmigo is an AI-powered learning tool developed by Khan Academy that can be used as a virtual tutor and as a debate partner. It can also be used by teachers to generate lesson plans and assist with other administrative tasks.



QUESTIONWELL

QuestionWell generates an endless supply of questions so teachers can focus on what matters. Just input some reading, and the AI will write essential question.



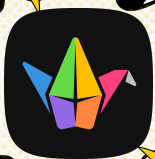
HELLO HISTORY

Hello History is an app that lets you have life-like conversations with historical figures. Get a personal perspective on life, history, and the world from some of the most influential figures of all time.



CONKER

Conker lets you create multiple-choice, read-and-respond, and fill-in-the-blank quizzes for students at a variety of levels on specific topics. It will also let you copy/paste reading material to generate quizzes.



PADLET

Padlet has introduced several AI features that enhance its utility for educators. These features include the “I Can’t Draw” tool and the “Translate” tool. Educators can also use AI to generate entire Padlets based on specific prompts, such as discussion boards, lesson plans, timelines, and maps.



CLAUDE

Claude is an AI assistant created by Anthropic. Claude can process large amounts of information, brainstorm ideas, generate text and code, help you understand subjects, coach you through difficult situations, help simplify your busywork so you can focus on what matters most.



GOBLIN TOOLS

Goblin Tools is a collection of small, simple, single-task tools designed to help neurodivergent people with tasks they find overwhelming or difficult. The tools include Magic ToDo, Formalizer, Judge, Estimator, and Compiler.



QUIZIZZ AI

Quizizz AI is an artificial intelligence-powered tool that can generate multiple-choice questions with four answer options, of which one is the correct answer. Quizizz AI can automatically determine the appropriate number of questions to generate from the content provided.



CLASS COMPANION

Class Companion is an AI teaching assistant that provides instant feedback, practice assignments, and data insights for teachers across various subjects.



FORMATIVE AI

Formative has been an assignment and quiz platform for a long time. Now it has incorporated the power of ChatGPT to generate new standard-aligned questions and hints for learners as well as student feedback.



MAGIC SCHOOL

MagicSchool.ai offers over 40 AI tools that are searchable by keyword and categorized for planning, student support, community, productivity, and community tools.



40+ AI TOOLS FOR TEACHERS

All of these tools are featured in our post 40 AI tools for teachers. The post describes each tool in greater detail along with pricing plans (if any) and even more AI tools that can benefit teachers and students in the classroom. You can read it here ditchthattextbook.com/ai-tools.



AI
PROMPTS

AI PROMPT EXAMPLES

ACTIVITY GENERATING PROMPTS

Create an activity for (grade level and subject) students that takes approximately (time) to complete. The activity should incorporate (tech tool or materials) and a problem-solving activity where students work in pairs to solve a real-world problem related to (specific topic). The engaging hook should incorporate my students' interest in (list student interests).

Develop an activity for (grade level and subject) students that focuses on (specific skill or concept). The activity should incorporate (tech tool or materials) and a brainstorming activity where students work in groups to generate ideas related to (specific topic). The engaging hook should incorporate my students' interest in (list student interests).

Design an activity for (grade level and subject) students that involves (specific task or project). The activity should incorporate (tech tool or materials) and a hands-on demonstration or experiment related to (specific topic). The engaging hook should incorporate my students' interest in (list student interests).

LESSON PLANNING PROMPTS

Create a (subject) lesson plan for (grade level) students that focuses on (skill or concept). Be sure to include an engaging hook, reading materials, video, and a short assessment at the end.

Develop a (time) lesson plan for (subject) that follows the (framework) lesson plan model. Include specific learning objectives, materials, activities, and assessment strategies.

Design a (subject) lesson plan for (grade level) students that integrates (technology or real-world application). Your plan should include a hook, reading materials, video, and a short assessment at the end.

Plan a (time) lesson for (subject) that incorporates (collaborative learning or project-based learning). Your plan should include clear learning objectives, materials, activities, and assessment strategies.

Create a (subject) lesson plan for (grade level) students that emphasizes (critical thinking or problem-solving). Your plan should include an engaging hook, reading materials, video, and a short assessment at the end.

A white cloud-like shape with a black outline, containing the text 'EXIT TICKET PROMPTS'. The cloud is decorated with yellow lightning bolts and yellow stars. The background is purple with a pattern of white dots and radiating lines.

EXIT TICKET PROMPTS

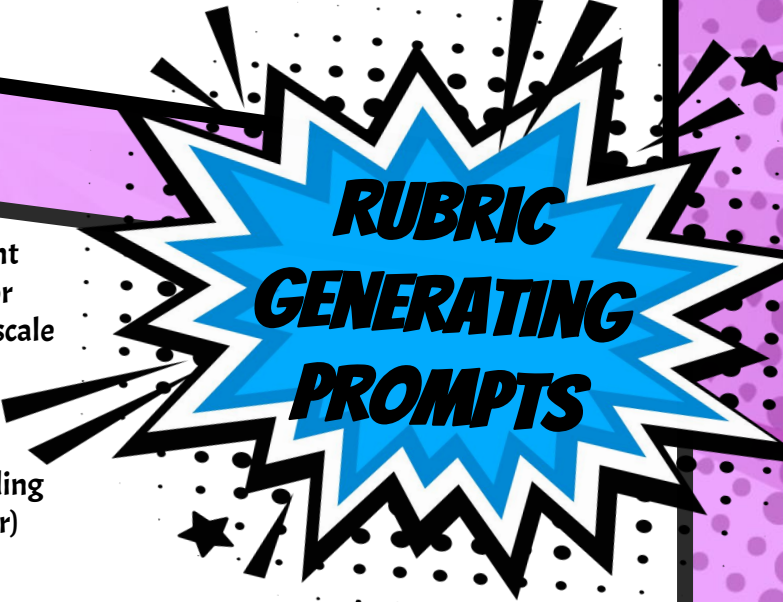
Create an exit ticket for (grade level and subject) students that asks them to summarize the main idea of today's lesson in (number) words or less.

Develop an exit ticket for (grade level and subject) students that asks them to write down one question they still have about (specific content) after today's lesson.

Design an exit ticket for (grade level and subject) students that asks them to draw a picture or diagram that represents their understanding of (specific content) after today's lesson.

Plan an exit ticket for (grade level and subject) students that asks them to list (number) key vocabulary words or concepts they learned during today's lesson.

Create an exit ticket for (grade level and subject) students that asks them to rate their understanding of (specific content) on a scale of 1-5 and explain why they gave themselves that rating.

A blue starburst shape with a black outline, containing the text 'RUBRIC GENERATING PROMPTS'. The starburst is decorated with black dots and black lightning bolts. The background is purple with a pattern of white dots and radiating lines.

RUBRIC GENERATING PROMPTS

Create a rubric for (grade level, subject, and assignment title) that assesses students' ability to (specific skills or concepts). The rubric should include a (number) point scale and be formatted as a chart.

Develop a rubric for (grade level, subject, and assignment title) that evaluates students' understanding of (specific content). The rubric should include (number) criteria and be formatted as a chart.

Design a rubric for (grade level, subject, and assignment title) that assesses students' ability to (specific task or skill). The rubric should include (number) levels of proficiency and be formatted as a chart.

Plan a rubric for (grade level, subject, and assignment title) that evaluates students' performance on (specific project or activity). The rubric should include (number) categories and be formatted as a chart.

Create a set of student-facing directions and a rubric for (grade level, subject, and assignment title) that assesses students' ability to (specific skills or concepts). The rubric should include a (number) point scale and be formatted as a chart.

QUIZ GENERATING PROMPTS

Create a multiple-choice quiz for (grade level and subject) students learning about (topic). Include (number) questions that assess their understanding of (specific skills or concepts).

Develop a fill-in-the-blank quiz for (grade level and subject) students that tests their knowledge of (specific content). Include (number) questions that require students to fill in the missing word or phrase.

Design a true/false quiz for (grade level and subject) students that assesses their understanding of (specific skills or concepts). Include (number) questions that require students to determine whether a statement is true or false.

Plan a short answer quiz for (grade level and subject) students that asks them to explain their understanding of (specific content). Include (number) questions that require students to write a brief response.

LESSON PLANNING PROMPTS

Acting as a (grade) level student, write a student exemplar for the following activity: (activity description) at a (proficiency) level. Make sure to include (specific instructions or requirements).

Create a student exemplar for (grade level and subject) students that demonstrates their ability to (specific task or skill). The exemplar should be written at a (proficiency) level and include (specific elements or components).

Create a student exemplar for (grade level and subject) students that demonstrates (specific skill or concept). Write from the perspective of a (student persona) and include (specific instructions or requirements).

Write a student exemplar for (grade level and subject) students that showcases their understanding of (specific content). The exemplar should include (specific elements or components) and be written at a (proficiency) level.

Develop a student exemplar for (grade level and subject) students that incorporates (specific learning strategy or approach). The exemplar should be written at a (proficiency) level and include (specific instructions or requirements).



"BY THE WAY"
LESSONS

BY THE WAY LESSONS

What is a “By the Way” lesson?

A “By the Way” lesson refers to small, impromptu insights that educators share with students during teaching moments. These lessons are not planned as full instructional sessions but are inserted naturally into conversations or teaching interactions. “By the Way” lessons are like little nuggets of wisdom that educators sprinkle into their teaching to enhance students’ understanding and engagement.



Yes! Here is an example!
By the way, did you know that AI sometimes produces biased responses? It learns everything it knows from data from humans, and humans are biased. It passes on the bias it learns from humans.



BY THE WAY LESSONS

By the way, did you know that when you prompt an AI assistant, you don't have to get the prompt right the first time? You can ask it follow-up questions to get more information from it.



By the way, did you know that ChatGPT isn't very good at math? It's a large language model, so it's developed to work mostly with words. When it has to think about math, it struggles.

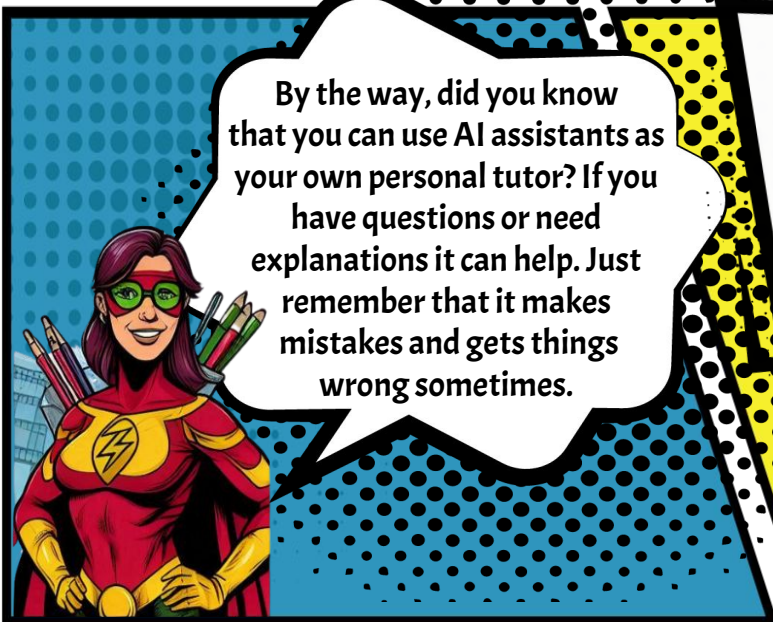


By the way, did you know that it's still good to practice writing (and other subjects) even though AI is good at them? You might not always use AI, and knowing the skills helps you know if the AI response is good or not.

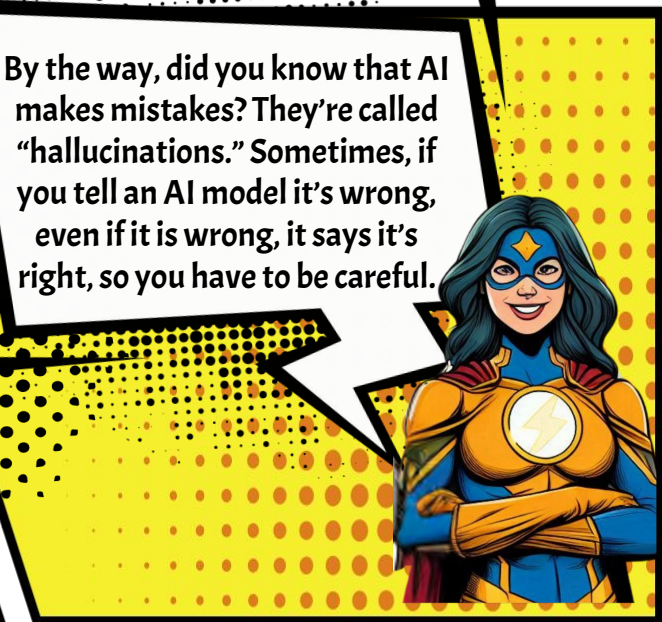


By the way, did you know that AI assistants like ChatGPT work best with text? They're called large language models, so anything with text is best.

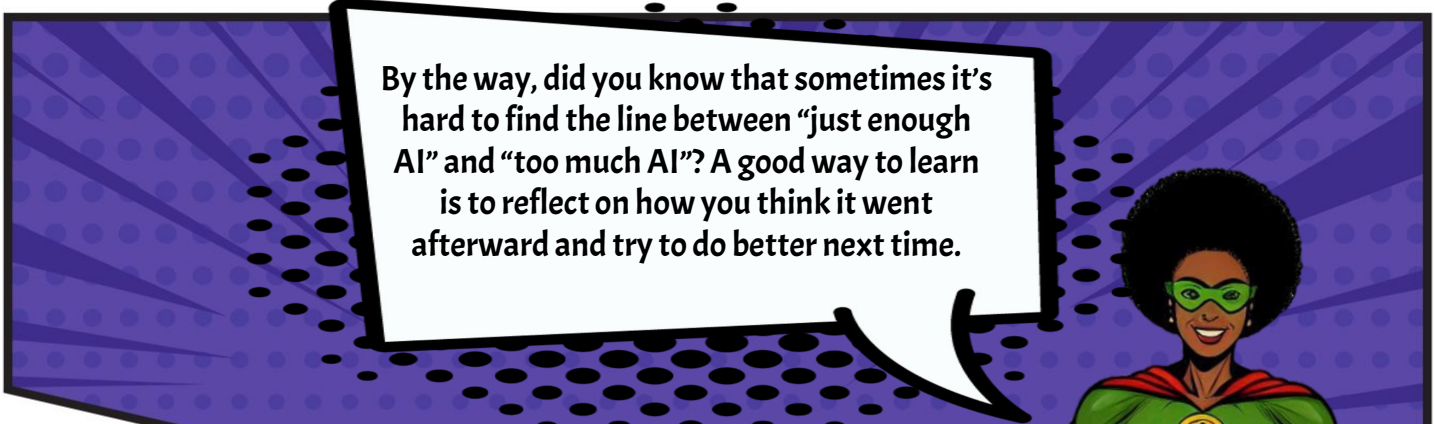




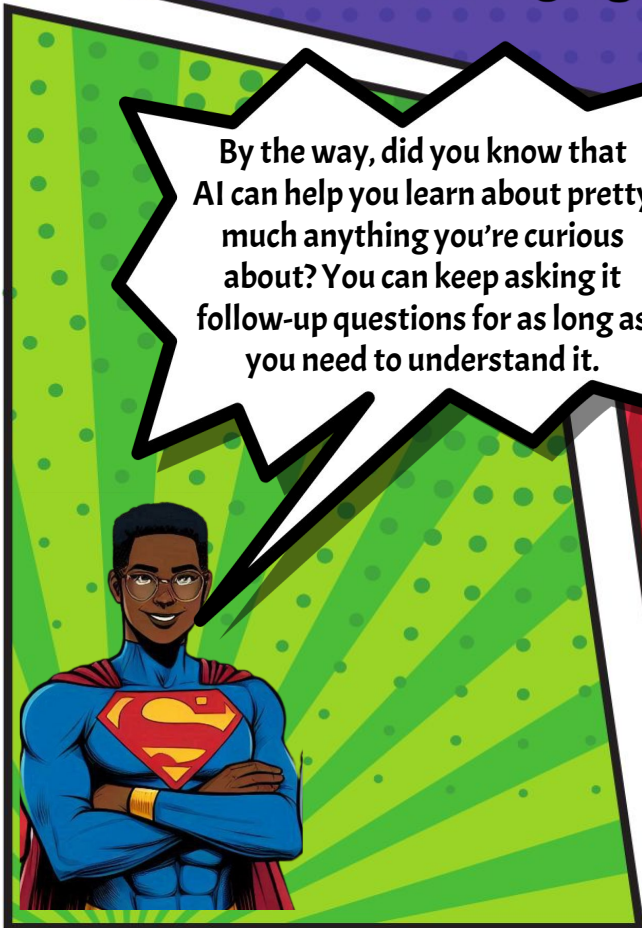
By the way, did you know that you can use AI assistants as your own personal tutor? If you have questions or need explanations it can help. Just remember that it makes mistakes and gets things wrong sometimes.



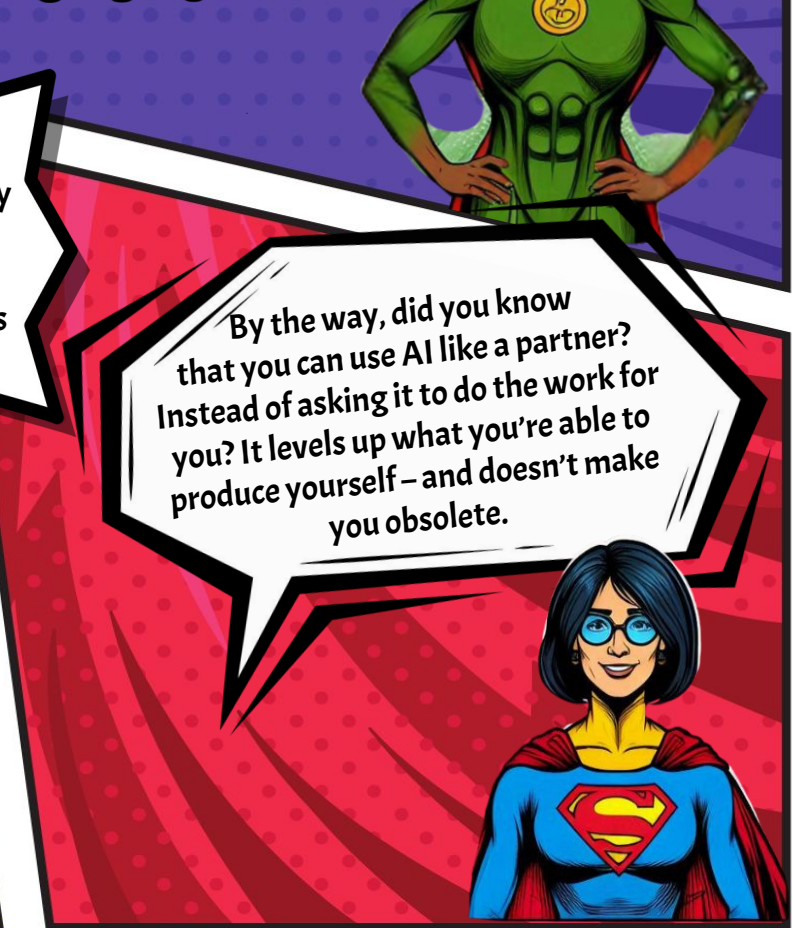
By the way, did you know that AI makes mistakes? They're called "hallucinations." Sometimes, if you tell an AI model it's wrong, even if it is wrong, it says it's right, so you have to be careful.



By the way, did you know that sometimes it's hard to find the line between "just enough AI" and "too much AI"? A good way to learn is to reflect on how you think it went afterward and try to do better next time.



By the way, did you know that AI can help you learn about pretty much anything you're curious about? You can keep asking it follow-up questions for as long as you need to understand it.



By the way, did you know that you can use AI like a partner? Instead of asking it to do the work for you? It levels up what you're able to produce yourself – and doesn't make you obsolete.



***5 WAYS
PARENTS CAN USE
AI AT HOME***

5 WAYS PARENTS CAN USE AI AT HOME

INSTANT HOMEWORK HELP

Sample Prompt:
"My child is struggling with this math problem $3x+5=53$ on her homework. Can you help her solve it without giving her the answer?"

Use Google Gemini to assist your child with homework. Ask the AI to guide them without giving them the answer.

For subject specific tutors go to app.schoolai.com/discover/subject-tutors

schoolai

INTRODUCE PRE-PROGRAMMED AI TUTORS

SchoolAI's Spaces allow your child to interact with safe, subject specific GPT-powered AI tutors.

Sample Prompt
"I am a parent helping my 6th grader study. Explain photosynthesis to me in a way that helps me understand and teach it to my child."

Use chatbots like Microsoft CoPilot, ChatGPT and Google Gemini to help you understand concepts yourself.

CREATE STUDY GUIDES WITH NOTES

Sample Prompt
After uploading a picture of written notes. "Create a study guide for me using these notes."

AI assistants like Google Gemini can identify text from an image and turn it into a study guide.

BUILD BACKGROUND KNOWLEDGE WITH CHATBOTS

Utilize the academic textbooks Google Gemini can pull information from with OpenStax to create resources on any topic.

GET "JUST RIGHT" RESOURCES IN SECONDS

Sample Prompt
"@OpenStax I am a 9th grader. Please teach me about atoms."

5 WAYS PARENTS CAN USE AI AT HOME

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The background is a vibrant red with a halftone dot pattern. A central white, cloud-like shape with a black outline contains the text. The text is in a bold, black, italicized sans-serif font. The overall design is dynamic and eye-catching, typical of a modern educational resource cover.

***AI LESSON
PLANS AND
UNITS***

AI LESSONS & UNIT PLANS



There are many lesson plans and units out there to help educators teach students about AI. All of the lessons on this page are free. However, some may require a a log in or filling out a form.
Click on the icons to see the lessons.



**AI Literacy
Lessons from
Common Sense
Media**



**AI Challenges
from aiEDU**

**AI for Upper
Elementary from
Kode5**



**AI for Early
Elementary from
Kode5**



**AI
Snapshots
from aiEDU**



**Discover AI in Daily
Life with Google
Applied Digital Skills**



**How AI Works
Lessons from
Code.org**



**What is AI?
from The Achievery**



**Unboxing AI
from The
Achievery**



**Artificial
Intelligence from
The Achievery**





***WORK
WITH MATT!***

BRING DITCH THAT TEXTBOOK TO YOUR SCHOOL!



ABOUT MATT

Matt Miller empowers teachers with practical teaching ideas and inspires them to think differently about education. He has spoken at hundreds of events all over the U.S. and beyond. But before that, he was a full-time teacher for more than a decade. Educators leave his presentations equipped with new ideas and on fire to make a change in their schools and communities.



The Tomorrow Glasses keynote provides educators with a foundational understanding of artificial intelligence and its evolving role in education, offering practical applications for today's classrooms and preparing teachers for future instructional strategies. Drawing from Matt's book, the speech shares insights into leveraging AI for learning enhancement and teacher efficiency, ensuring education aligns with the students' future.



KEYNOTE PRESENTATIONS



BREAKOUT SESSIONS

These sessions offer tons of practical ideas that teachers can start using in their classrooms immediately. Teachers take the place of their students, seeing how the learning activities feel from the perspective of the learner. Then, we reverse-engineer them so they feel confident in using them in their own classes.

"Best PD ever! Educators engaged all day long!" -- Bonnie, Texas

"You know it's good stuff when you aren't excited to take a break to eat lunch."
-- Dave, New York

"Such an inspiration. One of the reasons why I am where I am today as a teacher."
-- Meghan, Ohio



Ready to bring this kind of professional development to your school, school district or event?
Send us a message at Hello@DitchThatTextbook.com