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Educational AI Series

The Educator's Guide to AI Tools

**Practical Tools for Lesson Planning,
Feedback,
Assessment, and Beyond**

Med Kharbach, PhD

www.educatorstechnology.com

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Assessment, and Beyond

By Med Kharbach, PhD

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Introduction

AI is quickly becoming one of the most important elements in our toolkit as teachers and educators. And it is no longer a question of opting in or opting out. AI is now built into almost every platform we already use. It is in our email clients suggesting replies, in our word processors offering rewrites, in our search engines summarizing results before we even click a link, in our browsers, our LMS dashboards, our note-taking apps, and our slide decks. There is no escape from it. The question for teachers is no longer if we will work with AI but how thoughtfully we will do it.

This is why I always encourage teachers and colleagues to work on their AI pedagogy first. When AI integration is grounded in our teaching pedagogy, it stays aligned with our learning objectives, our students' needs, and the kind of classroom we are trying to build. It becomes a tool that serves the lesson and not the other way around. And let me tell you this, the teachers I have seen get the most out of AI are not the ones with the longest tool list. They are the ones who know exactly why they are using a particular tool in a particular lesson, and what their students should walk away with.

And here is the part that might sound counterintuitive coming from a guide full of tools. AI literacy is not, and should never be, focused on tools. I know this from years of running workshops with teachers across very different contexts. The first question is almost always which tool should I use. Teachers are understandably anxious about keeping up, and the hype around every new release pulls everyone's attention toward the next platform, the next feature, the next must-have certification. But chasing tools is exhausting work that produces very little real classroom change.

Pedagogy comes first. The tool comes second, and only when it serves a clear instructional purpose.

That said, tools still matter, and teachers do need a starting point. What follows is a collection of AI tools I have covered across various posts on my blog at www.educatorstechnology.com. The categories are organized by subject area, by classroom function, and by the kind of work the tools take off your plate. Treat this guide as a reference. Pick one or two tools that match a real need in your classroom right now, learn them well enough to use them with intention, and build from there. You do not need to master everything. You need to use what you choose with pedagogical clarity.

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What AI Pedagogy Actually Means

When I talk about AI pedagogy, I mean the simple discipline of building an intentional plan for how AI will fit into your teaching. The plan does not have to be long, and it does not have to be formal. It just has to be clear about a few questions you can answer for any tool before you bring it into a lesson.

Which platform am I using? Why this one over the alternatives? What specific learning goal will it help my students achieve? How does it strengthen the way I already teach this lesson, and where might it pull students away from the thinking I want them to do? These questions sound basic, and they are. If you cannot answer them quickly for any tool you are considering, the tool does not belong in your classroom yet. The reason is simple. The integration has no anchor.

The teachers who get the most out of AI in my workshops have something in common. They can tell you exactly why a tool is in their toolkit, what learning goal it serves, and how it fits the lesson they were already planning to teach. Everything else is hype management.

Reflective Memos: The Habit That Changes Everything

Here is the second piece of advice I want every teacher reading this to take seriously. After each time you use a new AI tool with students, write a short reflective memo. It can be three sentences, a paragraph, or a quick voice note you transcribe later. The format is up to you. The regular habit is what counts.

Some questions to guide your memo. Did the tool actually deliver what you hoped it would? How did your students respond, and was their engagement different from what you usually see? Did the AI output need a lot of editing, or was it usable as a draft? Were there moments where the tool helped students think deeply, and were there moments where it short-circuited the kind of struggle that produces real learning? What would you do differently next time you reach for the same tool?

These reflective memos are the closest thing to a metacognitive cheat code I know of for teachers working with AI. After a few weeks of writing them, you will start seeing patterns in your own practice that are otherwise invisible. You will notice which tools you reach for again and which ones you wrote off too quickly. You will catch the lessons where AI added something real and the lessons where it just gave you a polished version of work your students should have done themselves. You will build a personal evidence base that no online guide, including this one, can give you. And the next time a colleague asks you which AI tool is best for a particular task, you will have an answer that comes from your own classroom, not from a marketing page.

AI Lesson Plan Generators

Here are some of my favourite tools for lesson planning. Honestly, I would rather use a general-purpose chatbot like ChatGPT, Claude, or Gemini for most of this work, since with a well-written prompt they can do a pretty good job pulling together objectives, activities, and assessments for almost any topic or grade level. They are flexible, fast, and they keep getting better.

That said, if you want ready-made templates, education-specific workflows, and outputs that are already shaped around how teachers actually plan, the tools below are the ones I recommend. Each one takes a different angle on lesson planning, from full unit builders to differentiation helpers and interactive slide creators, so it is worth trying a couple to see which fits your teaching style best.

Tool	What it is	How teachers can use it
EdCafe	An AI lesson planning platform that builds full lesson plans from a topic, text, web page, or uploaded document.	<ul style="list-style-type: none">• Generate complete lesson plans with objectives, materials, activities, and assessments in seconds• Tailor lessons by student age, learning preferences, and standards

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Export to Word or Google Docs and connect with vocabulary cards or quizzes
Almanack	An AI tool that produces full lesson plans together with slides, worksheets, and classroom activities.	<ul style="list-style-type: none"> • Create polished, presentation-ready materials without long formatting work • Pull together aligned activities and handouts in one workflow • Save planning hours when preparing multi-day units
Diffit	A differentiation tool that adapts texts, worksheets, and quizzes to multiple learning levels.	<ul style="list-style-type: none"> • Adapt one reading for several reading levels in the same class • Build inclusive worksheets for mixed-ability groups • Generate quick comprehension checks tied to the adapted text
Eduaide	A teaching assistant offering over 150 AI tools for planning, activities, and assessments.	<ul style="list-style-type: none"> • Pick from a wide menu of generators for warm-ups, exit tickets, and rubrics

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Build formative assessments aligned to lesson goals • Use as a one-stop assistant across subjects and grade levels
MagicSchool	An educator-focused platform with 60+ AI tools, lesson plan generators, rubrics, and assessment builders.	<ul style="list-style-type: none"> • Create standards-aligned lesson plans from ready-made templates • Generate rubrics and feedback comments for student work • Save time on routine planning and grading tasks
Curipod	An interactive lesson builder that turns a topic or document into discussion-based slides.	<ul style="list-style-type: none"> • Type a topic and get an interactive slide deck in minutes • Promote active learning with built-in polls and word clouds • Upload a document and let it draft a participation-rich lesson
Brisk Teaching	A Chrome extension that turns online resources into	<ul style="list-style-type: none"> • Convert any web page or article into a structured lesson

Tool	What it is	How teachers can use it
	<p>lessons, presentations, and learning activities.</p>	<ul style="list-style-type: none"> • Generate quizzes and slides directly from existing content • Speed up lesson prep when teaching from current articles
<p>Twee</p>	<p>A planning tool with interactive templates and creative content suggestions, popular with language teachers.</p>	<ul style="list-style-type: none"> • Build language lessons with reading, listening, and vocabulary tasks • Generate dialogues, quizzes, and discussion prompts on any topic • Add variety to daily lessons with creative activity templates
<p>ChatGPT, Claude, Gemini</p>	<p>General-purpose chatbots that handle lesson planning when guided by clear, structured prompts.</p>	<ul style="list-style-type: none"> • Brainstorm lesson ideas and refine objectives in plain conversation • Draft differentiated tasks, rubrics, and assessments on demand • Use as flexible creative partners for any subject or grade level

AI Tools for Science Teachers

Science is a subject built on doing. Students learn chemistry by running titrations, biology by working with real specimens, physics by measuring motion, and earth science by getting outside and observing. That hands-on side of the work is exactly what makes science so interesting to support with AI, and also what makes it tricky. A general chatbot can write you a great explanation of osmosis, but it cannot put a beaker in a student's hand. What it can do is open the door to virtual labs, 3D models, and simulations that bring the experiment to the screen when the real one is not possible.

Here are some of my favourite AI tools for science teachers. Some of these are full virtual lab platforms, others are visualization or assessment tools, and a few are lesson planners built around science standards. As always, I would still reach for ChatGPT, Claude, or Gemini for a lot of the planning and brainstorming work, but for everything that needs a simulation, a 3D model, or subject-specific science features, the tools below are the ones I recommend trying first.

Tool	What it is	How teachers can use it
Labster	An immersive 3D virtual lab platform with 300+ simulations across biology, chemistry,	<ul style="list-style-type: none"> • Run lab experiments that are too costly or unsafe for the classroom

Tool	What it is	How teachers can use it
	<p>physics, and biotechnology.</p>	<ul style="list-style-type: none"> • Let an AI assistant guide students step by step inside each simulation • Track progress with auto-graded assessments and LMS dashboards
<p>PhET</p>	<p>A free, open-source library of 100+ interactive science and math simulations from the University of Colorado.</p>	<ul style="list-style-type: none"> • Introduce physics, chemistry, and biology concepts through guided play • Pair simulations with worksheets and prediction questions • Use across all grade levels at no cost
<p>Beyond Labz</p>	<p>A virtual lab suite for chemistry, organic chemistry, biology, and physics, supported by Pearson.</p>	<ul style="list-style-type: none"> • Assign customizable experiments with structured lab books • Review student work step by step with the Lab Cam feature • Author your own labs aligned to your curriculum

Tool	What it is	How teachers can use it
PraxiLabs	A 3D virtual lab platform with 200+ simulations, gamification, and an AI lab assistant.	<ul style="list-style-type: none"> • Try the free plan with 20 labs as an entry point • Use built-in question banks for quick formative checks • Connect to your LMS for streamlined assignment delivery
ChemCollective	A free virtual chemistry lab with hundreds of reagents for student-led experiments.	<ul style="list-style-type: none"> • Cover acid-base, thermochemistry, solubility, redox, and kinetics • Assign as pre-lab preparation before real experiments • Replace homework with hands-on virtual problem solving
CloudLabs	A library of 600+ gamified STEM simulations with challenge-based activities.	<ul style="list-style-type: none"> • Run problem-based science lessons in English, Spanish, or Portuguese • Support vocational and applied science courses

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Engage students with real-world scenarios
BioDigital Human	A cloud-based virtual human body with 14,000+ anatomical structures.	<ul style="list-style-type: none"> • Explore body systems in 3D across web, mobile, VR, or AR • Show disease pathology and treatment models in class • Use AI search to jump straight to specific structures
Visible Body	A 3D anatomy platform with 10,000+ models, cadaver lab simulations, and diagnostic imaging.	<ul style="list-style-type: none"> • Animate muscle movements and study innervation in real time • Compare anatomical models with imaging scans • Use in high school biology through medical school courses
MolView	A free web-based molecular sketcher and 3D viewer with spectroscopy data.	<ul style="list-style-type: none"> • Have students build and rotate molecular structures

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Switch between ball-and-stick and van der Waals views • Measure bond angles and lengths directly in the browser
Inspirit VR	A VR, AR, and spatial computing platform for science education with no-code creator tools.	<ul style="list-style-type: none"> • Run NGSS-aligned chemistry, biology, physics, and earth science lessons • Build custom simulations without writing code • Use on VR headsets, computers, or tablets
Gradescope	An AI grading tool that reads handwritten student work, including scientific notation.	<ul style="list-style-type: none"> • Group similar answers for fast batch grading • Apply rubrics consistently across a full class set • Connect to Google Classroom or Canvas
Cognii	A conversational AI assessment tool that	<ul style="list-style-type: none"> • Give students immediate feedback on written explanations

Tool	What it is	How teachers can use it
	<p>evaluates open-response science answers.</p>	<ul style="list-style-type: none"> • Allow multiple attempts until mastery • Score scientific reasoning with strong reliability
<p>Snorkl</p>	<p>An AI tool that scores both what students write or draw and how they explain it verbally.</p>	<ul style="list-style-type: none"> • Have students record themselves reasoning on a virtual whiteboard • Get separate ratings for accuracy and articulation • Use with Illustrative Mathematics curriculum
<p>MagicSchool</p>	<p>An education-focused AI suite with 60+ tools and several science-specific generators.</p>	<ul style="list-style-type: none"> • Generate structured lab plans with materials and safety notes • Build NGSS three-dimensional science assessments • Create 5E model lesson plans in seconds
<p>Eduaide</p>	<p>A teacher-built AI assistant with 100+</p>	<ul style="list-style-type: none"> • Get experimental procedures and supply lists for any topic

Tool	What it is	How teachers can use it
	<p>resource types and a Lab + Materials generator.</p>	<ul style="list-style-type: none"> • Generate gamified activities like Jeopardy or escape rooms • Create graphic organizers and bell-ringers
<p>Brisk Teaching</p>	<p>A free Chrome extension that works inside Google Docs and Slides.</p>	<ul style="list-style-type: none"> • Generate lab outlines with materials, procedures, and questions • Build science content directly in your existing Google files • Speed up prep without leaving Google Workspace
<p>Consensus</p>	<p>An AI search engine that scans 250 million+ research papers for scientific consensus.</p>	<ul style="list-style-type: none"> • Bring current research into AP and college-prep lessons • Show students how scientists weigh evidence • Get visual summaries on specific scientific questions
<p>SciSpace</p>	<p>An AI research assistant that searches 280 million+</p>	<ul style="list-style-type: none"> • Teach students how to read scientific literature

Tool	What it is	How teachers can use it
	papers and lets users chat with PDFs.	<ul style="list-style-type: none"> • Generate literature reviews and citations • Use the academic AI detector for source checking
Pivot Interactives	A library of 500+ video-based activities where students measure real phenomena on screen.	<ul style="list-style-type: none"> • Use overlay tools like rulers and protractors on real footage • Give students authentic data without lab equipment • Bridge simulation and real experimentation
ExploreLearning Gizmos	A library of 550+ STEM simulations with guided investigation lessons.	<ul style="list-style-type: none"> • Run inquiry-based lessons with teacher control built in • Support K-12 science across multiple subjects • Use guided lessons that keep students on task
Google Teachable Machine	A free tool where students train their own machine	<ul style="list-style-type: none"> • Run classification activities for rocks, plants, or insects

Tool	What it is	How teachers can use it
	learning models on images, sounds, or poses.	<ul style="list-style-type: none">• Teach AI literacy alongside science content• Build student-led ML projects without coding
Arludo	A library of 25+ mobile science games with hypothesis testing and data analysis built in.	<ul style="list-style-type: none">• Run game-based experiments in biology, psychology, and geography• Use AR games for collaborative student work• Build experimental thinking skills through play

AI Tools for Math Teachers

Math has a special relationship with AI. Where other subjects allow for shades of interpretation, math demands precision. A solution is either right or it is wrong, and that single fact is what makes accuracy the make-or-break factor for any AI tool aimed at math instruction. It also explains why math teachers tend to be a little more cautious about AI than colleagues in English or social studies, and honestly, I think they are right to be.

Here are some of my favourite AI tools for math teachers.

Tool	What it is	How teachers can use it
Khanmigo	Khan Academy's AI teaching assistant, free for U.S. teachers, working as both student tutor and planning tool.	<ul style="list-style-type: none"> • Guide students with Socratic questions that nudge without giving answers • Generate lesson plans, exit tickets, and rubrics aligned to Khan Academy • Group students for targeted instruction
Photomath	A camera-based math solver that handles printed and handwritten problems with animated step-by-step solutions.	<ul style="list-style-type: none"> • Let students scan problems and walk through each solution step • Cover arithmetic through calculus with AI voiceover • Compare student approaches against the AI's solution path

Tool	What it is	How teachers can use it
Wolfram Alpha	A computational engine known for accuracy across basic math through professional-level work.	<ul style="list-style-type: none"> • Get reliable step-by-step solutions for almost any math problem • Use the Problem Generator to build randomized printable worksheets • Bring interactive graphing into class demonstrations
Symbolab	A math solver with 500+ built-in calculators and detailed step-by-step explanations.	<ul style="list-style-type: none"> • Build custom practice quizzes for algebra, trig, calculus, or stats • Use without learning special syntax • Add AI chat support with the Pro version
Mathway	A widely used math solver covering basic math through statistics on web and mobile.	<ul style="list-style-type: none"> • Let students photograph or type problems for instant solutions • Use as a quick check during independent practice • Cover homework support across multiple math levels
Microsoft Math Solver	A free AI solver that recognizes printed and handwritten math, with strong geometry support.	<ul style="list-style-type: none"> • Solve geometric proofs with step-by-step guidance • Pull learning resources from multiple sources for each concept • Use the interactive graphing feature in class

Tool	What it is	How teachers can use it
Desmos	A free graphing calculator used by millions of students and teachers worldwide.	<ul style="list-style-type: none"> • Graph functions and animate transformations with sliders • Show students how a coefficient change reshapes a parabola • Use the graphing, scientific, 3D, and geometry calculators
GeoGebra	A free math platform with 3D visualization and a library of one million teacher-shared resources.	<ul style="list-style-type: none"> • Run dynamic geometry and algebra activities • Connect with ChatGPT or Gemini for added explanations • Use across dozens of supported languages
Mathigon Polypad	A digital math playground with 50+ virtual manipulatives and dynamic geometry tools.	<ul style="list-style-type: none"> • Use fraction tiles, algebra tiles, and probability tools with younger students • Build hands-on lessons without physical manipulatives • Add music-based math activities for variety
MATHia	An AI coaching system from Carnegie Learning for grades 6-12 built on learning science research.	<ul style="list-style-type: none"> • Diagnose why students make specific mistakes, not just what is wrong • Use the LiveHint AI tutor for targeted guidance • Track student growth through built-in analytics

Tool	What it is	How teachers can use it
DreamBox Learning	An adaptive K-8 math platform that analyzes student behavior patterns in real time.	<ul style="list-style-type: none"> • Adjust lesson sequencing to match individual learners • Use teacher dashboards to spot where support is needed • Run independent practice with adaptive pacing
IXL Math	A skills platform covering 8,000+ math skills from Pre-K through grade 12 with a SmartScore system.	<ul style="list-style-type: none"> • Recommend targeted skills when the system detects gaps • Use SmartScore to measure depth of understanding • Assign practice that adjusts to recent performance
Gradescope	An AI grading tool that reads student handwriting, including fractions, integrals, and matrices.	<ul style="list-style-type: none"> • Group similar answers for fast batch grading • Apply rubrics consistently across handwritten problem sets • Connect to Google Classroom or Canvas
Snorkl	An AI tool that scores both written work and verbal explanations of mathematical thinking.	<ul style="list-style-type: none"> • Have students record themselves reasoning on a virtual whiteboard • Get accuracy and articulation ratings separately • Use with Illustrative Mathematics curriculum

Tool	What it is	How teachers can use it
Numbas	A free, open-source math assessment system from Newcastle University.	<ul style="list-style-type: none"> • Build randomized math questions with unlimited variations • Check mathematical expressions through the built-in algebra system • Connect to Canvas, Moodle, Blackboard, or Brightspace
MagicSchool	An education-focused AI suite with 60+ tools and several math-specific generators.	<ul style="list-style-type: none"> • Generate word problems, spiral review, and standards-aligned lessons • Build differentiation ideas and assessments in seconds • Use across 30 languages
Eduaide	A teacher-built AI assistant with 100+ resource types and a strong math toolkit.	<ul style="list-style-type: none"> • Generate worksheets and intentional-mistake activities • Create math bell-ringers for the start of class • Use the free tier or upgrade for unlimited generations
Wolfram Problem Generator	A tool that creates unlimited printable worksheets with randomized math problems.	<ul style="list-style-type: none"> • Build fresh practice sets at the right level on demand • Use for test prep and independent practice • Vary problems to build student confidence through repetition

AI Tools for ESL and ELL Teachers

Here are some of my favourite AI tools for ESL and ELL teachers. As always, ChatGPT, Claude, and Gemini are great when I need to brainstorm activities, draft prompts, or write quick differentiated tasks. But for everything that needs phoneme-level pronunciation feedback, CEFR-aligned exercises, family translation, or built-in reading-level adaptation, the tools below are the ones I would reach for first. They cover speaking, writing, reading, lesson planning, translation, and accessibility, so you can pick the category that fits your biggest classroom challenge.

Tool	What it is	How teachers can use it
ELSA Speak	An AI pronunciation coach that gives phoneme-level feedback on fluency, intonation, and accuracy.	<ul style="list-style-type: none"> • Build CEFR-aligned learning plans for A1 through C1 students • Track student progress through a class dashboard • Give learners a low-pressure speaking partner
TalkPal	An AI conversation app for 80+ languages with gamified prompts and voice recognition.	<ul style="list-style-type: none"> • Practice real-world scenarios like interviews and travel • Use the free 10 minutes a day or upgrade for unlimited time • Run roleplay activities outside class hours
Gliglish	A speaking practice tool focused on speed and clarity through timed challenges and roleplay.	<ul style="list-style-type: none"> • Run quick-response drills that mimic real conversation

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Support beginners with structured speaking practice • Use as a teacher-style guide for listening drills
Grammarly for Education	An AI writing assistant offering grammar, tone, clarity, and style feedback.	<ul style="list-style-type: none"> • Support self-editing skills in ESL writing tasks • Control whether students access generative AI features • Add plagiarism detection and citation help
Olex.AI	A multilingual writing assessment platform with home-language translation built in.	<ul style="list-style-type: none"> • Mark whole essay sets in about two minutes • Deliver feedback in the student's home language • Support multilingual learners with culturally aware corrections
QuillBot	An AI writing tool combining paraphrasing, summarizing, grammar checking, and translation in 50+ languages.	<ul style="list-style-type: none"> • Help students rework complex sentences • Build vocabulary through alternative phrasing • Use the free version for quick paraphrasing tasks
Diffit	A text adaptation tool that adjusts any reading to multiple proficiency levels.	<ul style="list-style-type: none"> • Adapt grade-level content for newcomer students

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Generate vocabulary lists and comprehension questions automatically • Work from PDFs, links, videos, or pasted text
Rewordify	A free tool that simplifies complex text to five reading levels with click-to-define vocabulary.	<ul style="list-style-type: none"> • Adapt 350+ classic texts for multiple proficiency levels • Generate vocabulary challenges from adapted passages • Use directly in the browser with no setup
Microsoft Immersive Reader	A free reader built into Word, OneNote, Teams, and Edge.	<ul style="list-style-type: none"> • Read text aloud in 68 languages with adjustable speed • Highlight each word as it is spoken • Show picture definitions for unfamiliar vocabulary
Twee	An AI lesson tool built specifically for English language teachers, with 20+ generators.	<ul style="list-style-type: none"> • Generate gap-fills, dialogues, stories, and comprehension questions • Align activities to CEFR levels in minutes • Cover grammar, vocabulary, reading, writing, listening, and speaking
MagicSchool AI	An education-focused AI suite with 80+ tools, including a text	<ul style="list-style-type: none"> • Customize materials by proficiency level and target skill

Tool	What it is	How teachers can use it
	leveler and vocabulary list generator.	<ul style="list-style-type: none"> • Build lesson plans aligned to language learner needs • Use the free tier for everyday tasks
Eduaide.ai	A teacher-built AI assistant with 110+ resource types organized by pedagogical frameworks.	<ul style="list-style-type: none"> • Use one-click differentiation for varying proficiency levels • Build resources around UDL or Understanding by Design • Generate up to 15 free items per month
Curipod	An interactive lesson builder with polls, word clouds, and drawing activities.	<ul style="list-style-type: none"> • Get language learners participating at any level • Use the Bilingual ESL/ELL content package on premium • Translate full lessons with one click
Brisk Teaching	A free Chrome extension that translates content into 48+ languages and levels text inside Google Docs and Slides.	<ul style="list-style-type: none"> • Adapt reading levels right inside Google Workspace • Provide writing feedback in multiple languages • Speed up prep without leaving familiar tools
TalkingPoints	A two-way translation tool for school-to-family communication in 150+ languages.	<ul style="list-style-type: none"> • Send newsletters and updates in family home languages • Handle school-specific vocabulary better than general translators

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Reduce mistranslations that frustrate families
Wordly AI	A live AI translation tool for meetings, parent conferences, and classroom instruction.	<ul style="list-style-type: none"> • Run parent conferences without human interpreters • Translate live classroom instruction across many languages • Support schools with limited translation staff
NaturalReader	A text-to-speech tool that converts PDFs, Google Docs, and web pages into audio in 90+ languages.	<ul style="list-style-type: none"> • Create audio versions of any classroom text • Use word-by-word highlighting for follow-along reading • Adjust accent and speed to match each learner
Microsoft Reading Coach	A free AI tool that listens to students read aloud in 81 languages and gives feedback.	<ul style="list-style-type: none"> • Run low-stakes oral reading practice with personalized feedback • Track pronunciation, pacing, and accuracy • Use inside Microsoft education tools
Speechify	A text-to-speech app that produces natural-sounding audio in 70+ languages.	<ul style="list-style-type: none"> • Build audio versions of homework and study guides • Support listening practice with real voices • Use the free version for basic classroom needs

AI Tools for English Language Arts Teachers

English Language Arts has a complicated relationship with AI. The whole subject is built on reading, writing, and discussion, and AI just happens to be very good at language. That makes these tools genuinely useful in an ELA classroom, and it also makes the risks real. A student who hands their writing over to AI misses the cognitive work the course was designed to develop in the first place. Speaking as someone who taught ELA for over eight years, I know that tension well, and I think it deserves to be named clearly.

Here are some of my favourite AI tools for ELA teachers.

Tool	What it is	How teachers can use it
Khan Academy Writing Coach	A free writing coach for U.S. teachers that guides students from outline to final draft.	<ul style="list-style-type: none">• Give Socratic feedback at every stage of the writing process• Track student progress in real time• Support stronger writing without doing the work for them
Grammarly for Education	An AI writing assistant offering grammar, tone, clarity, and style feedback.	<ul style="list-style-type: none">• Add plagiarism detection and APA, MLA, and Chicago citation help• Control whether students access generative AI features• Use the free version or upgrade for advanced tools

Tool	What it is	How teachers can use it
Quill.org	A free nonprofit writing platform built specifically for ELA classrooms.	<ul style="list-style-type: none"> • Give targeted feedback on writing and reading comprehension activities • Save hundreds of prep hours each year • Build measurable improvement in student writing quality
EssayGrader	An AI grader that imports essays from Google Classroom, Canvas, or Schoology and scores against your rubrics.	<ul style="list-style-type: none"> • Grade entire classes against your rubric in minutes • Use the free plan for up to 100 essays a month • Provide detailed, consistent feedback on every paper
Flint	A writing tool with inline AI feedback shaped by teacher-configured rubrics and guardrails.	<ul style="list-style-type: none"> • Set strict boundaries on what AI can and cannot do • Prevent the tool from writing for students • Keep teacher control over how AI interacts with student work
Amira Learning	An AI reading tutor that listens to students read aloud and diagnoses foundational skills.	<ul style="list-style-type: none"> • Diagnose reading skills in under 20 minutes per student • Run regular weekly fluency practice • Track growth across millions of student sessions

Tool	What it is	How teachers can use it
ReadTheory	A reading platform that delivers personalized passages adjusted to student performance.	<ul style="list-style-type: none"> • Match each student to passages at the right difficulty • Use across all K-12 grade levels • Run independent reading practice with built-in differentiation
Microsoft Reading Coach	A free AI reading practice tool that detects challenging words and gives personalized feedback.	<ul style="list-style-type: none"> • Run oral reading practice in 81 languages • Target words students struggle with • Use inside Microsoft education tools
Diffit	A text adaptation tool that converts any text to any reading level from grade 2 through 11+.	<ul style="list-style-type: none"> • Generate vocabulary lists and comprehension questions automatically • Translate adapted texts into 50+ languages • Work from articles, PDFs, or YouTube transcripts
Brisk Teaching	A free Chrome extension that works inside Google Docs and Slides.	<ul style="list-style-type: none"> • Convert online content to multiple reading levels • Generate quizzes, guided notes, and lesson plans from any URL • Stay inside Google Workspace while prepping
Hypothesis	An online annotation tool for collaborative close reading on web articles and texts.	<ul style="list-style-type: none"> • Run collaborative annotations with public or private comments

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Connect to your LMS for assignment delivery • Use the free version or upgrade for premium features
LitCharts	A literature platform with side-by-side Shakespearean and modern English text plus analysis.	<ul style="list-style-type: none"> • Help ELL learners and struggling readers access complex language • Use scene summaries, character analysis, and key quotes • Pair with original text in close reading lessons
Conker AI	An AI quiz builder that creates assessments by subject, grade, topic, and difficulty.	<ul style="list-style-type: none"> • Build a Read and Respond comprehension quiz in under 5 minutes • Export quizzes to Google Forms or Canvas • Use the free plan for everyday formative checks
Curipod	An interactive lesson platform with AI-powered slides, polls, word clouds, and constructed responses.	<ul style="list-style-type: none"> • Run discussion-based slides with built-in feedback • Engage K-12 classes with active participation tools • Use AI to respond to student answers in real time
QuillBot	A multipurpose writing tool with paraphraser, summarizer,	<ul style="list-style-type: none"> • Help struggling readers reword complex passages

Tool	What it is	How teachers can use it
	grammar checker, and citation generator.	<ul style="list-style-type: none"> • Generate citations in APA, MLA, or Chicago • Use the browser extension across platforms
Hemingway Editor	A clarity-focused writing tool that highlights complex sentences, passive voice, and wordiness.	<ul style="list-style-type: none"> • Push students toward clearer, more direct writing • Make revision feel concrete and visual • Use as a quick self-editing exercise
MagicSchool	An education-focused AI suite with 80+ tools, including a Text Leveler.	<ul style="list-style-type: none"> • Generate lesson plans, rubrics, and assessments • Rewrite passages at a different grade level • Use the free tier or upgrade for unlimited access
Eduaide	A teacher-built AI assistant offering 100+ resource types for ELA classrooms.	<ul style="list-style-type: none"> • Build worksheets, graphic organizers, and gamified activities • Generate vocabulary practice on demand • Use Jeopardy and escape room formats for review
Speechify	A text-to-speech tool that converts text into natural audio in 70+ languages.	<ul style="list-style-type: none"> • Create audio versions of classroom texts • Support students with reading disabilities

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Use the free version for basic needs
NaturalReader	A text-to-speech tool that converts PDFs, docs, web pages, and scanned images into audio.	<ul style="list-style-type: none"> • Build audio versions of assignments for ELL students • Offer multiple voices and languages • Pair audio with on-screen text for follow-along reading
Microsoft Immersive Reader	A free reader built into Word, OneNote, and Edge with picture dictionary and translation.	<ul style="list-style-type: none"> • Adjust font size, spacing, and background color for accessibility • Break words into syllables for early readers • Support ELL learners and students with dyslexia

AI Tools for History and Social Studies Teachers

History and social studies classrooms run on stories, primary sources, and the ability to think critically about both. AI is starting to change how teachers bring all three into their lessons. Students can hold conversations with historical figures, build interactive timelines from a single paragraph, and take virtual field trips to places like the Berlin Wall or ancient Egyptian temples. At the same time, the risks in this subject are very real. AI can fabricate dates, misattribute quotes, and present one-sided narratives with full confidence. The only real guardrail is you, the teacher, bringing your subject expertise to verify what the tool produces.

Here are some of my favourite AI tools for history and social studies teachers.

Tool	What it is	How teachers can use it
Humy.ai	An AI platform built specifically for social studies, with structured interviews and role-play simulations.	<ul style="list-style-type: none">• Run interviews and debates with AI-powered historical figures• Use ready-made lesson plans and AI-graded assignments• Connect to your LMS for assignment delivery
Hello History	A mobile app offering AI-driven conversations with 400+ historical figures.	<ul style="list-style-type: none">• Let students talk to figures from Cleopatra to Martin Luther King Jr.• Spark curiosity before deeper research tasks

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Use on iOS and Android for quick activities
SchoolAI	A FERPA-compliant platform that lets teachers build personalized AI tutoring Spaces.	<ul style="list-style-type: none"> • Create guided AI conversations with teacher-set boundaries • Monitor every student interaction in the Mission Control dashboard • Pick from 200,000+ pre-built spaces
MyLens.ai	A free AI timeline generator that builds visual timelines from text, PDFs, videos, or URLs.	<ul style="list-style-type: none"> • Turn any article into an interactive timeline in seconds • Generate flowcharts and mind maps from historical content • Use the Chrome extension for quick web timelines
Genially	An interactive content platform with 42+ free timeline templates for history and social studies.	<ul style="list-style-type: none"> • Embed videos, audio, and pop-up information into timelines • Build interactive maps and multimedia presentations • Use for both teacher-created and student projects
CoGrader	An AI grader designed for AP teachers, scoring DBQs, LEQs, and SAQs against AP rubrics.	<ul style="list-style-type: none"> • Grade up to 100 essays per month for free • Get justification reports tied to each AP rubric score • Import assignments from Google Classroom, Canvas, or Schoology

Tool	What it is	How teachers can use it
Conker AI	An AI quiz maker with multiple choice, drag-and-drop, and open-ended questions aligned to standards.	<ul style="list-style-type: none"> • Build a complete quiz in under two minutes • Connect to Google Forms or Canvas • Use read-aloud accessibility features for all students
Curipod	An interactive lesson and slide platform with AI-generated content, polls, and feedback.	<ul style="list-style-type: none"> • Use Curify My Slides to upgrade existing lesson materials • Get AI feedback on student responses during class • Run interactive lessons in person or remotely
Acely	An AI tutoring platform built for AP US History, AP World History, and other AP subjects.	<ul style="list-style-type: none"> • Give students AI-driven AP exam practice • Get detailed feedback on SAQs, LEQs, and DBQs • Use as exam-prep support throughout the year
DeAP Learning Labs	An AP history practice and tutoring platform built with the team behind Heimler's History.	<ul style="list-style-type: none"> • Run AI-driven practice for AP history exams • Match content to the specific skills students will face on test day • Use targeted question formats for AP prep

Tool	What it is	How teachers can use it
iCivics	A game-based civics platform founded by former Justice Sandra Day O'Connor.	<ul style="list-style-type: none"> • Run 20+ web and mobile games on government topics • Use the award-winning Investigation Declaration game • Make civics feel relevant and engaging
Diffit	A text adaptation tool that adjusts any text to multiple reading levels.	<ul style="list-style-type: none"> • Adapt complex historical documents for every reader in the room • Generate vocabulary and comprehension questions automatically • Translate primary sources into 50+ languages
Transkribus	An AI transcription tool that reads handwritten historical documents and manuscripts.	<ul style="list-style-type: none"> • Make actual historical letters and diaries readable • Work across 100+ languages and centuries of handwriting • Use 300+ public models from the 9th century onward
VictoryXR	A VR and AR platform offering 150+ global field trips to historical sites.	<ul style="list-style-type: none"> • Walk students across the Selma Bridge or D-Day beaches • Tour the Berlin Wall, Egyptian temples, and more • Use the built-in AI Tutor feature

Tool	What it is	How teachers can use it
Nearpod	An interactive engagement platform with 22,000+ standards-aligned lessons and virtual field trips.	<ul style="list-style-type: none"> • Run virtual field trips to historical locations • Add formative checks with quizzes, polls, and matching • Use live or student-paced modes
MagicSchool AI	An education-focused AI suite with 80+ tools and a Studio Mode for full lesson packages.	<ul style="list-style-type: none"> • Generate lesson plans, rubrics, and scaffolded assessments • Use the text leveler on primary source documents • Work in 30 languages on the free or paid tier
Eduaide.ai	A teacher-built AI assistant with 110+ resource types organized by pedagogical frameworks.	<ul style="list-style-type: none"> • Build worksheets, graphic organizers, and gamified review • Use UDL or Understanding by Design templates • Create Jeopardy and escape room activities
Brisk Teaching	A free Chrome extension with 30+ AI tools that runs inside Google Docs and Slides.	<ul style="list-style-type: none"> • Generate presentations and scaffolded materials • Turn historical content into student podcasts • Detect AI-generated text in student work

Tool	What it is	How teachers can use it
Consensus	An AI research engine built on 200+ million scholarly papers and book chapters.	<ul style="list-style-type: none">• Generate research summaries with proper citations• Avoid the hallucinated sources of general AI tools• Teach students how to find and cite credible academic work

AI Tools for Art and Music Teachers

Art and music classrooms are built on something AI will never fully replicate. The deeply personal act of creating something from nothing. A student mixing paint, a teenager finding a voice in choir rehearsal, a kid playing three chords on a guitar that finally sound like a song. These moments are human to the core, and they are the reason most art and music teachers got into the work in the first place. So it makes sense that AI stirs strong feelings in creative classrooms, and the best teachers I have read are the ones treating it as a tool for ideation, not a substitute for the hands-on creative process.

Here are some of my favourite AI tools for art and music teachers.

Tool	What it is	How teachers can use it
Gemini Nano Banana	Google's flagship AI image generator with strong photorealism, lighting, and text rendering.	<ul style="list-style-type: none">• Generate reference images for student art projects• Show off accurate hands, faces, and complex backgrounds• Compare its outputs with other models in class
Adobe Firefly	Adobe's generative AI, free to K-12 schools through Adobe Express for Education.	<ul style="list-style-type: none">• Run COPPA and FERPA compliant text-to-image projects• Let district admins control which features are active

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Use text-effects tools for typography and posters
Canva AI	An AI-enabled design platform free for verified teachers and students.	<ul style="list-style-type: none"> • Generate AI images, text, and design assets in one place • Use the free 60-minute AI Certification course • Run K-12 art projects on a COPPA and FERPA compliant tool
Midjourney	A Discord-based AI image generator known for stylized, artistic results.	<ul style="list-style-type: none"> • Produce high-quality images for high school and college art programs • Explore visual styles beyond what other models offer • Use as a creative partner for advanced art projects
Craiyon	A free AI image generator with no login required and unlimited generations.	<ul style="list-style-type: none"> • Use as a zero-barrier entry point for younger students • Run quick prompt experiments without account setup • Compare with paid tools to discuss quality differences
NightCafe	A platform that brings multiple AI models together (FLUX, Stable Diffusion, DALL-E, Imagen) with daily free credits.	<ul style="list-style-type: none"> • Compare how different models interpret the same prompt • Run side-by-side classroom exercises on AI variation

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Use daily free credits for everyday lessons
Artbreeder	An image platform that blends and manipulates artwork using genetic algorithms.	<ul style="list-style-type: none"> • Teach iterative thinking through small visual changes • Run experimentation activities on composition • Use the freemium plan for basic projects
Google Teachable Machine	A free no-code tool for training student-built AI models on images, sounds, or poses.	<ul style="list-style-type: none"> • Build sound-activated art projects • Run gesture-controlled art games • Teach students how machine learning actually works
Suno	An AI music generator that produces complete songs with melody, harmony, and vocals from a text prompt.	<ul style="list-style-type: none"> • Create content-specific songs as memory aids • Generate genre examples for music analysis • Use roughly 10 free songs per day
BandLab	A free music creation platform with AI features like SongStarter and Recompose.	<ul style="list-style-type: none"> • Run group composition projects across the class • Let non-instrumentalists build full tracks • Use vibes and genres to spark student creativity

Tool	What it is	How teachers can use it
AIVA	An AI composer specializing in classical and cinematic music, trained on thousands of pieces.	<ul style="list-style-type: none"> • Study patterns of harmony, form, and orchestration • Use the free plan for up to 3 downloads a month • Generate examples of classical structures
Soundtrap for Education	An online audio workstation for composing, recording, and student collaboration.	<ul style="list-style-type: none"> • Run full-class music projects with built-in assignment tools • Connect to Google Classroom, Canvas, or Schoology • Record and mix tracks in the browser
EarMaster	An AI ear-training tool that adapts exercises to each student's performance.	<ul style="list-style-type: none"> • Practice intervals, chords, scales, and sight-singing • Track student growth on rhythm recognition • Use educational licensing across the school
Hookpad by Hooktheory	A theory tool that teaches chord progressions and melody using data from popular songs.	<ul style="list-style-type: none"> • Show harmonic patterns inside songs students already know • Make abstract theory feel concrete and relevant • Use the free or premium tier

Tool	What it is	How teachers can use it
Flat for Education	A cloud-based notation platform that runs on Chromebooks, laptops, and tablets.	<ul style="list-style-type: none"> • Auto-generate and auto-grade theory exercises • Connect to Google Classroom, Canvas, or Schoology • Manage notation projects across full classes
MuseScore Studio	A free, open-source notation and composition tool with new AI vocal playback.	<ul style="list-style-type: none"> • Have AI sing typed lyrics for choir rehearsal • Build composition projects in a free tool • Tap into a strong community for shared resources
Yousician	An AI practice app that listens to students play guitar, piano, ukulele, bass, or sing.	<ul style="list-style-type: none"> • Give real-time scoring on pitch and rhythm • Use gamified, level-based progression • Support independent practice outside class
Moises	An AI tool that isolates or removes instruments from any recording.	<ul style="list-style-type: none"> • Create custom backing tracks for band and orchestra • Let students play along with professional recordings • Adjust tempo and key for any practice session

Tool	What it is	How teachers can use it
Singing Carrots	An AI singing coach with real-time visual pitch feedback and adaptive exercises.	<ul style="list-style-type: none">• Help beginners build pitch accuracy in weeks• Run structured vocal practice with visual cues• Use as private practice for choir students

AI Feedback Tools for Teachers

Feedback is one of the areas where AI is making the biggest difference in classrooms right now. However, not all feedback is created equal. A two-line note on a grammar exercise is not the same thing as a full-page response on a research paper, and AI handles some of these jobs much better than others. The single biggest factor is the rubric you give it. Vague rubrics produce vague feedback, and specific criteria give the AI something concrete to work with.

Here are some of my favourite AI feedback tools. Again, my recommendation is always a general-purpose chatbot like ChatGPT, Claude, or Gemini. Paste your rubric, paste the student work, and ask for the kind of feedback you actually want, whether that is argument structure only, grammar only, or a full overview at a ninth-grade reading level. The flexibility is the whole point. If you want a more structured platform built around classroom workflows, the dedicated tools below are the ones teachers consistently recommend. They cover Google Docs comments, rubric-aligned grading, peer review, real-time formative feedback, and verbal response analysis.

Tool	What it is	How teachers can use it
ChatGPT, Claude, Gemini	General-purpose chatbots that handle feedback when guided by a clear rubric and a focused prompt.	<ul style="list-style-type: none">• Paste a rubric and a student paper for criteria-based feedback• Ask for argument-only or grammar-only comments

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Adjust tone, reading level, or focus on demand
Brisk Teaching	A free Chrome extension that adds AI feedback inside Google Docs, Slides, and YouTube.	<ul style="list-style-type: none"> • Highlight student text and generate inline feedback comments • Build rubrics, quizzes, and lesson plans alongside feedback • Stay inside the Google Workspace tools you already use
Class Companion	A classroom-focused AI tutor and writing feedback tool with strong rubric alignment.	<ul style="list-style-type: none"> • Set a rubric and let the AI score and comment on student work • Get feedback that sticks closely to your defined criteria • Use the free educator tier to test the workflow
CoGrader	An AI grading tool that integrates with Google Classroom and grades against your rubric.	<ul style="list-style-type: none"> • Pull student submissions directly from Google Classroom • Cut grading time on essays by 50 to 70 percent • Edit AI comments to add personal context
MagicSchool AI	A comprehensive AI suite with 60+ tools covering rubrics, feedback, and lesson planning.	<ul style="list-style-type: none"> • Generate rubrics and writing feedback in one place • Use the Raina student-facing chatbot for real-time feedback

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Tap shared prompts and templates from a large teacher community
Gradescope	A grading platform built for STEM and handwritten work, owned by Turnitin.	<ul style="list-style-type: none"> • Group similar student answers for batch grading • Write feedback once and apply it to every matching error • Use across math, science, and programming assignments
Formative	A real-time assessment platform with AI feedback built into student workflows.	<ul style="list-style-type: none"> • Give students instant comments as they work, not after • Run quick formative checks during class time • Help students course-correct in the moment
Snorkl	An AI tool that analyzes verbal student explanations recorded on a virtual whiteboard.	<ul style="list-style-type: none"> • Assess understanding beyond written work • Build metacognitive skills through spoken reasoning • Support students who express ideas better verbally
FeedbackFruits	A peer review platform enhanced by AI, designed mainly for higher education.	<ul style="list-style-type: none"> • Structure peer feedback workflows with AI quality support • Run group work and self-assessment activities

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none">• Use as the backbone of a PAIRR-style feedback model
SchoolAI	A platform that lets teachers build custom AI Spaces tailored to specific feedback tasks.	<ul style="list-style-type: none">• Set guardrails for what the AI can and cannot do• Watch student interactions through the teacher dashboard• Tailor feedback focus by class or assignment

AI Rubric Generators for Teachers

Rubrics are one of those classroom tools every teacher knows they should use more often, and almost no one has time to build from scratch. A good rubric takes real thought. You have to name the criteria that matter, decide what each performance level looks like in plain language, and align the whole thing to the standards you are actually teaching. Skip any of those steps and the rubric becomes a checklist that does not really help students grow. AI is not going to replace that thinking, but it can take the blank-page problem off your desk and hand you a draft you can shape to fit your class.

Here are some of my favourite AI rubric generators.

Tool	What it is	How teachers can use it
ChatGPT, Claude, Gemini	General-purpose chatbots that produce strong rubrics when given a clear prompt and grade level.	<ul style="list-style-type: none"> • Specify subject, grade, assignment type, and criteria in the prompt • Ask for analytic, holistic, or single-point rubric formats • Refine the output by asking for revisions in plain language
MagicSchool	An education-focused AI suite with a dedicated rubric generator built for teachers.	<ul style="list-style-type: none"> • Generate rubrics by grade level, standard, and assignment type • Pair the rubric tool with feedback and lesson planning tools

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Use the free tier for daily classroom needs
Brisk Teaching	A free Chrome extension that creates rubrics directly inside Google Docs and Slides.	<ul style="list-style-type: none"> • Build a rubric from any document or assignment open in Google Workspace • Adjust criteria and performance levels without leaving the page • Connect rubric creation to inline AI feedback on student work
CoGrader	An AI grading tool that builds rubrics and grades student work against them.	<ul style="list-style-type: none"> • Generate a rubric from the assignment description in seconds • Pull student submissions from Google Classroom for batch grading • Edit AI-generated criteria to match your classroom expectations
Monsha	An AI teaching assistant with a rubric generator tied to lesson planning workflows.	<ul style="list-style-type: none"> • Build standards-aligned rubrics for project-based learning • Use shared templates for common assignment types • Pair rubrics with the platform's lesson and activity tools
Khan Academy Khanmigo	Khan Academy's AI teaching assistant, free for U.S. teachers.	<ul style="list-style-type: none"> • Generate rubrics tied to specific learning objectives • Use alongside lesson planning and student tutoring features

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Tap into Khan Academy's standards library
Flint K-12	A K-12 AI platform with a rubric generator and teacher-controlled guardrails.	<ul style="list-style-type: none"> • Set boundaries on what the AI can and cannot include • Build rubrics that match your school's grading philosophy • Pair with student-facing tools for classroom safety
Formative (with Luna)	A real-time assessment platform with Luna, its built-in AI assistant.	<ul style="list-style-type: none"> • Create rubrics aligned to formative checks • Apply rubrics to live student work as they submit • Combine rubric creation with instant student feedback
Microsoft Teams for Education	Microsoft's classroom platform with built-in rubric creation for assignments.	<ul style="list-style-type: none"> • Build rubrics directly inside the assignment workflow • Reuse rubric templates across classes • Grade student work against the rubric without leaving Teams
EssayGrader.ai	An AI essay grader that lets you upload or build a rubric and apply it to student writing.	<ul style="list-style-type: none"> • Create a rubric once and apply it to a full class set of essays • Use the free tier for up to 100 essays a month • Pull student work from Google Classroom, Canvas, or Schoology

Tool	What it is	How teachers can use it
Coursebox.ai	An AI course-building platform with a rubric generator for assignments and assessments.	<ul style="list-style-type: none">• Generate rubrics tied to course learning outcomes• Use across self-paced and instructor-led courses• Pair rubric creation with quiz and content tools

AI Worksheet Generators for Teachers

Worksheets are one of those classroom staples every teacher relies on and building them from scratch eats up more time than almost anything else in lesson prep.

Writing the questions, formatting the page, drafting the answer key, then producing two or three differentiated versions for the students who need them. It is the kind of repetitive work that pulls hours out of every weekend. AI worksheet tools take that load off your plate. You give the AI a topic, a grade level, and the question types you want, and you get back a draft worksheet in minutes. The judgment is still yours, but the blank page is gone.

Here are some of my favourite AI worksheet generators.

Tool	What it is	How teachers can use it
ChatGPT, Claude, Gemini	General-purpose chatbots that produce solid worksheets when given detailed prompts.	<ul style="list-style-type: none">• Specify topic, grade level, question types, and ask for an answer key• Upload your own PDFs or notes so the AI builds questions from your source material• Iterate by asking for harder questions, simpler language, or extra sections
MagicSchool AI	A K-12 AI suite with 80+ teacher tools and a worksheet generator aligned to standards.	<ul style="list-style-type: none">• Generate fill-in-the-blank, multiple choice, and open-ended questions

Tool	What it is	How teachers can use it
		<ul style="list-style-type: none"> • Pair worksheets with rubrics, lesson plans, and IEP support in one platform • Use the free tier for everyday classroom needs
Monsha	An AI teaching assistant that ties worksheets to broader lesson plans.	<ul style="list-style-type: none"> • Generate worksheets from YouTube videos, PDFs, images, and web articles • Connect material creation to lesson and activity planning • Use the free plan with 50 monthly credits
Diffit	A differentiation tool that rewrites any text at multiple reading levels with comprehension questions.	<ul style="list-style-type: none"> • Adapt articles or readings from grade 2 through grade 11+ • Generate questions for each reading level automatically • Use it for mixed-ability classrooms to give every student the right entry point
Brisk Teaching	A free Chrome extension that builds worksheets inside Google Docs, Slides, and YouTube.	<ul style="list-style-type: none"> • Highlight any text in a Google Doc and generate questions • Pull a YouTube video into a worksheet activity without leaving the page • Stay inside your existing Google Workspace flow

Tool	What it is	How teachers can use it
Eduaide.AI	A K-12 platform built by former teachers offering 110+ resource types.	<ul style="list-style-type: none"> • Generate worksheets, graphic organizers, games, and rubrics • Use across subjects and grade levels • Combine resources to build a full lesson
Twee	An AI tool aimed at language teachers and ESL instruction with CEFR-aligned exercises.	<ul style="list-style-type: none"> • Create reading, writing, speaking, and listening activities • Match exercises to CEFR proficiency levels • Build supplementary practice for language courses
Worksheets AI	A dedicated worksheet generator with custom-trained AI for printable, editable materials.	<ul style="list-style-type: none"> • Input your requirements and download ready-to-print worksheets • Edit the output to match your specific student population • Use across subjects without switching tools
Flint K12	A free AI worksheet generator and tutoring platform aligned to curriculum standards.	<ul style="list-style-type: none"> • Create multiple choice, short answer, and long-form questions • Align materials to state and national standards • Pair worksheet creation with the broader tutoring features

Tool	What it is	How teachers can use it
Chalkie	A curriculum-aligned worksheet generator with customizable tasks and difficulty levels.	<ul style="list-style-type: none"> • Adjust format and difficulty for different grade levels • Generate worksheets across multiple subjects • Use the customization options for targeted practice
NoteGPT	A completely free worksheet tool with no sign-up required.	<ul style="list-style-type: none"> • Generate printable math, spelling, and phonics worksheets • Use for quick practice activities without account setup • Pair with other free tools for a no-cost workflow
Canva	A drag-and-drop design platform with hundreds of worksheet templates, free for K-12 educators.	<ul style="list-style-type: none"> • Build visually polished worksheets from pre-made templates • Customize layouts, fonts, and images for your classroom • Combine with AI-generated content from other tools for finished materials
Formative	A real-time assessment platform with AI features for digital worksheets and instant feedback.	<ul style="list-style-type: none"> • Deliver worksheets digitally and grade them as students submit • Give students instant feedback for in-class course-correction • Use for formative checks during a lesson

Best AI Courses for Teachers

One of the questions I get asked most often is some version of where teachers should start learning about AI. It is a fair question. The number of AI training options for educators has exploded over the past two years, and the choices range from 30-minute overviews to multi-week programs with graduate credit. The challenge is no longer finding a course. The challenge is finding the right one for where you are right now. A teacher who has never opened ChatGPT needs a different starting point than someone who already uses it daily and wants to think more carefully about ethics, classroom policy, or curriculum redesign.

Here are some of my favourite AI courses for teachers. Most of the strongest options are completely free, backed by Google, Microsoft, OpenAI, Code.org, Common Sense Media, Khan Academy, ISTE, Canva, and MagicSchool. The list below covers AI fundamentals, hands-on tool training, ethics and responsible use, and certification options you can submit for PD credit. My advice is to pick one course that matches your biggest need right now, finish it, and apply what you learned for a few weeks before moving to the next. Stacking three or four courses back to back almost always leads to overwhelm with very little classroom impact.

Course	What it is	How teachers can use it
AI 101 for Teachers (Code.org +	Free five-session professional learning series built with ETS, ISTE, and Khan Academy. A 15-hour ISTE version is paid	<ul style="list-style-type: none">• Build foundational AI knowledge through expert-led sessions

Course	What it is	How teachers can use it
ISTE + Khan Academy)	and offers optional graduate credit.	<ul style="list-style-type: none"> • Cover classroom integration, responsible use, and practical implementation • Upgrade to the ISTE version for graduate credit through Dominican University
Generative AI for Educators with Gemini (Google)	Free two-hour self-paced course on Gemini and NotebookLM for everyday teaching tasks.	<ul style="list-style-type: none"> • Learn to use Gemini for lesson planning and personalization • Earn a professional certificate accepted for PD credit in many districts • Start with no technical background required
ChatGPT Foundations for K-12 Educators (Common Sense + OpenAI)	Free one-hour course covering ChatGPT fundamentals, data privacy, ethical use, and student safety.	<ul style="list-style-type: none"> • Get a focused introduction to ChatGPT in the classroom • Earn a certificate of completion • Pair with Common Sense's broader AI Basics course for wider context
ChatGPT Foundations for Teachers (OpenAI + Coursera)	Free self-paced course with hands-on prompt writing and real classroom workflows.	<ul style="list-style-type: none"> • Learn the Task-Context-Expectation prompt framework • Apply AI to lesson planning, rubrics, communication, and student support • Earn a Virtual Teacher Certificate upon completion

Course	What it is	How teachers can use it
AI for Educators Training Path (Microsoft Learn)	Free multi-module path covering AI concepts, generative AI, prompt engineering, and responsible use.	<ul style="list-style-type: none"> • Build a structured understanding of how large language models work • Combine with the dedicated Responsible Use of AI in Education path • Access globally with no cost barrier
AI in the Classroom Certification (Canva)	Free 60-minute certification covering Magic Write, Magic Media, and AI for multilingual classrooms.	<ul style="list-style-type: none"> • Learn Canva's AI features for lesson planning and visuals • Translate materials for multilingual learners • Earn a recognizable AI credential in one sitting
AI Certification for Educators (MagicSchool AI)	Free multi-level certification with foundational, intermediate, and Adobe Express AI modules.	<ul style="list-style-type: none"> • Move from beginner to advanced prompt writing at your own pace • Customize MagicSchool tools for your classroom workflow • Earn an official MagicSchool AI Certification
AI Course for Educators (AI for Education)	Free two-hour hands-on course from Amanda Bickerstaff's platform.	<ul style="list-style-type: none"> • Cover ChatGPT fundamentals and time-saving classroom applications • Learn responsible implementation alongside the practical skills • Earn a certificate of completion

Course	What it is	How teachers can use it
Generative AI for Educators (Monsha)	Free 20-30 minute introduction to AI basics, lesson planning, and resource creation.	<ul style="list-style-type: none"> • Get a fast starting point with minimal time investment • Earn a badge and certificate • Use as an entry point before deeper training
AI for Education (Khan Academy)	Free three-unit self-paced course covering generative AI, teaching with AI, and AI literacy lesson plans.	<ul style="list-style-type: none"> • Build classroom-ready AI literacy lessons • Pair with Khanmigo, free for U.S. K-12 teachers through June 2027 • Earn an AI certification
Experience AI (Google DeepMind + Raspberry Pi)	Free middle school program with ready-to-use lesson plans, slide decks, worksheets, and videos.	<ul style="list-style-type: none"> • Teach machine learning and AI mechanics with a full curriculum • Use without any technical background • Pull lessons directly into your existing units
AI Literacy Skills 101 (Toddle)	Free self-paced course covering AI literacy for both teachers and students.	<ul style="list-style-type: none"> • Build a shared AI literacy foundation across your classroom • Use as a supplementary resource for school-wide curriculum work • Pair with student-facing materials from other providers
Responsible Use of AI in Education	Free dedicated pathway covering ethics frameworks, data privacy, bias, and human oversight.	<ul style="list-style-type: none"> • Build or refine your school's AI policy

Course	What it is	How teachers can use it
(Microsoft Learn)		<ul style="list-style-type: none"> • Cover the ethical questions parents and administrators ask • Use as required reading before any tool training
AI Basics + AI Literacy Lessons (Common Sense Education)	Free one-hour AI Basics course for teachers plus complete lesson collections for grades 6-12.	<ul style="list-style-type: none"> • Teach AI literacy directly to middle and high school students • Use the student-facing materials in class without modification • Build critical evaluation and ethical thinking skills alongside tool use

Conclusion

I hope you found these tools useful and that at least a few of them will find a place in your weekly teaching routine. Some will fit naturally into the way you already work. Others might take a few tries before they click, and a few will not be the right match for your subject, your students, or your teaching style at all. That is completely fine. The point of a guide like this is to give you options, not to hand you a list you are supposed to work through in order.

If there is one idea I want you to walk away with, it is this. Always anchor your AI integration in your pedagogy. Tools come and go. Platforms get acquired, features get renamed, and the next shiny release will be here before you finish reading this paragraph. What stays constant is the teaching. Your knowledge of your students, your understanding of how learning happens, your sense of what a good lesson looks like in your subject area. AI is most useful when it serves those things, and it becomes a distraction the moment it starts pulling you away from them.

So focus on your AI pedagogy first. Ask the pedagogical question before the tool question. What do my students need to learn? What is the best way for them to learn it? Where can AI genuinely support that goal, and where would it get in the way? Once you have answers to those questions, the tool you choose almost picks itself. And the tool you skip stops feeling like something you missed out on.

About the Author

Med Kharbach, PhD, is an educator, researcher, and the editor of Educators Technology (educatorstechnology.com). A former K-12 teacher with over a decade of classroom experience, Med currently serves as part-time faculty at Mount Saint Vincent University. He is the author of *Teaching with AI: Practical Strategies to Integrate AI in The Classroom*, and co-author of *The AI Turn in Academic Research* with Dr. Jonathan Woodworth. His work focuses on the intersection of technology, pedagogy, and practical classroom applications. You can read more about Med and his research on his professional website <http://www.medkharbach.com/>.