How to Implement AI-Enhanced Tools in Your Practice by Category

Lesson Planning and Curriculum Design

Streamline planning, align with standards, and generate instructional materials.

- **ChatGPT (https://chatgpt.com) or Claude AI (https://claude.ai):** Generate essential questions, real-world applications, and instructional strategies.
- **Google Gemini (https://gemini.google.com):** Summarize curriculum documents and suggest engagement ideas.
- **Canva Magic Write (www.canva.com/magic-write):** Quickly create and format visual lesson plan templates and engagement charts.
- **Edison AI (https://edison.ai/index-en) or Copilot for Educators (https://adoption.microsoft.com/en-us/copilot/copilot-resources-for-education):** Help align standards and plan unit pacing.
- **MagicSchool AI (www.magicschool.ai):** Create lesson and unit plans, IEP goals, and writing prompts aligned with standards.
- **Education Copilot (https://educationcopilot.com):** Help automate the creation of worksheets, rubrics, and assignments.
- **Notion AI (www.notion.com):** Assist with lesson documentation, planning, and collaboration.
- **Scribe AI (https://scribehow.com):** Automate documentation for lesson plans, procedures, and student progress.

Use the following tips to implement these tools.

- **Generate standards-aligned objectives:** Use AI to analyze and break down standards into measurable learning goals.
- **Create editable templates:** Have AI generate lesson templates that you can tweak and reuse.
- **Get AI-generated differentiation strategies:** Ask AI for ways to scaffold learning for students at different proficiency levels.
- **Summarize dense curriculum materials:** Upload or paste standards and have AI extract key learning goals and a pacing guide.
- **Make visual lesson plans:** Use AI in Canva Magic Write to generate infographics and unit overviews.

Example prompt: *Create a four-week lesson plan for a fifth-grade science unit on ecosystems, including objectives, engagement strategies, and assessments.*

Assessment and Feedback

Create assessments, grade efficiently, and provide AI-powered student feedback.

- **Wayground (https://wayground.com/generators):** Generate adaptive quizzes and formative assessments with real-time feedback.
- **Conker AI (www.conker.ai):** Create custom multiple-choice and open-ended assessments aligned with standards.
- **Edpuzzle (https://edpuzzle.com):** Automatically generate interactive video quizzes and comprehension checks.
- **Formative (www.formative.com):** Get AI-powered formative assessment for real-time student insights.
- **Gradescope (www.gradescope.com):** Speed up grading and provide AI-generated feedback.

Use the following tips to implement these tools.

- **Generate customized quizzes:** Use Wayground or Conker AI to instantly create quizzes from uploaded materials.
- **Embed interactive assessments into videos:** Use Edpuzzle to insert comprehension questions directly into educational videos.
- **Automate grading with AI:** Upload written assignments into Gradescope for automated scoring and feedback. Be sure to always check accuracy and review feedback.
- **Provide real-time insights:** Use Formative to track student progress and adjust instruction based on their responses.
- **Analyze student misconceptions:** AI can detect patterns in student errors and suggest targeted interventions.

Example prompt: *Create a ten-question formative assessment on the water cycle, including multiple-choice and open-ended questions at different cognitive levels.*

Instructional Support

Differentiate instruction, scaffold content, and support diverse learners.

- **Khanmigo (by Khan Academy; www.khanmigo.ai):** Access AI-powered tutoring, lesson planning assistance, and personalized learning.
- **TutorAI (https://tutorai.me):** Generate personalized learning pathways for students based on their needs.
- **Diffit (https://web.diffit.me):** Adapt and differentiate reading materials to different Lexile levels instantly.
- **ReadTheory (https://readtheory.org):** Provide personalized reading comprehension passages and questions.
- **Speechify (https://speechify.com):** Convert text into speech for accessibility and differentiation.

Use the following tips to implement these tools.

- **Provide scaffolded reading materials:** Use Diffit to adjust reading difficulty for different student levels.
- **Generate personalized learning paths:** Use TutorAI to create student-specific study plans.
- **Support struggling readers:** Use ReadTheory to assign passages based on reading level.
- **Make content accessible:** Use Speechify to convert written text into audio for auditory learners.
- **Enable self-paced learning:** Assign AI-powered Khanmigo lessons for students to practice at their own speed.

Example prompt: *Adjust this informational text about the solar system to a third-grade reading level while keeping key concepts intact.*

Student Engagement and Interactive Learning

Enhance student participation with interactive lessons and activities.

- **Curipod (https://curipod.com) or Pear Deck (www.peardeck.com):** Create AI-generated interactive slides for student engagement.
- **SchoolAI (https://schoolai.com):** Access AI-driven instructional coaching and personalized student interventions.
- **Quizlet (https://quizlet.com):** Generate study sets, flash cards, and practice tests from text or PDFs.
- **Explain Everything (https://explaineverything.com):** Create interactive lesson explanations with an AI-assisted whiteboard tool.
- **MindMeister (www.mindmeister.com):** Visualize and organize lesson concepts with AI-generated mind maps.

Use the following tips to implement these tools.

- **Turn slides into interactive lessons:** Use Curipod or Pear Deck to create AI-generated presentations with interactive Q&A.
- **Generate AI-powered study guides:** Use Quizlet to create flash cards and practice sets automatically.
- **Create visual concept maps:** Use MindMeister to turn lesson topics into organized mind maps.
- **Use an AI whiteboard for explanations:** Use Explain Everything to visually break down concepts.
- **Automate engagement activities:** AI can suggest gamified learning tasks based on your subject.

Example prompt: *Create an interactive slide deck for a seventh-grade geography lesson on climate zones with engaging questions and activities.*

Classroom Discussions and Teacher Reflection

Improve discussions, track engagement, and refine teaching practices.

- **TeachFX (https://teachfx.com):** Access AI-powered feedback on teacher talk time and student engagement in discussions.
- **Otter (https://otter.ai):** Capture classroom discussions and notes with an AI-powered transcription tool.
- **SchoolAI (https://schoolai.com):** Access AI-driven instructional coaching and feedback.

Use the following tips to implement these tools.

- **Track student talk time:** Use TeachFX to analyze classroom discussions and ensure equitable participation.
- **Get AI-generated discussion summaries:** Use Otter to transcribe and summarize class conversations for reflection.
- **Improve questioning techniques:** AI can analyze teacher questions and suggest ways to increase higher-order thinking.
- **Gather classroom insights:** Use SchoolAI to get feedback on lesson pacing, student engagement, and instructional clarity.

Example prompt: *Analyze my classroom discussion from today and provide feedback on how to increase student participation and depth of responses.*