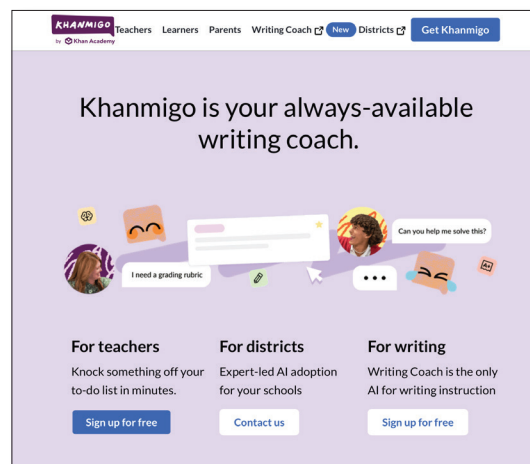


# KHANMIGO GUIDE

Khan Academy has developed a rich set of AI-powered education tools that provide personalized support to teachers. Khanmigo is intended to help with:

- Instructional planning: Creating and modifying lesson plans, adjusting lesson plans in response to student progress, and refreshing your knowledge.
- Content creation and customization: Translating, chunking, rewriting, or leveling texts; generating questions and discussion prompts; producing lesson hooks or exit tickets; crafting supporting informational content; and connecting lessons to real-world contexts.
- Administration: Organizing documents, tracking student progress, communicating with students and parents, suggesting assignments, and organizing assessments.



## Overview of Khanmigo Teacher-Assistant Tools

Tool	Description	Use with OER Project materials
<b>Lesson Plan Generator</b>	Helps you create customized, standards-aligned lesson plans tailored to student needs, with PDF export options.	Helps adapt lesson plans to meet standards, district requirements, or differentiated learning needs, supporting cross-curricular connections.
<b>Learning Objectives Tool</b>	Guides you in setting clear learning objectives for each lesson.	Helps modify or rephrase objectives, converting them into “I can” statements or district-specific language.
<b>Exit Ticket Tool</b>	Creates quick formative assessments to measure student understanding.	Helps you adjust, replace, or add closing activities to fit your lesson structure.
<b>Discussion Prompts Tool</b>	Creates questions to spark meaningful classroom discussions.	Enhances, modifies, or replaces guiding questions for videos and articles, while also generating discussion opportunities across materials. Requires precise prompts, especially for sensitive or complex topics.
<b>Leveler Tool</b>	Modifies text complexity to match various reading levels.	Since Khan Academy articles aren’t leveled, they provide links to additional levels when updating course offerings. This tool enables you to make even more precise or flexible text adjustments.

Tool	Description	Use with OER Project materials
<b>Text Rewriter</b>	Customizes text to meet instructional needs.	This tool supports differentiation by allowing you to adapt texts for diverse learning needs, modifying materials for accessibility. While not perfect, it effectively simplifies, restructures, and summarizes content—converting text into bullet points, tables, or a different tone to aid student comprehension and review.
<b>Real-World Context Generator</b>	Links content to practical, real-world examples.	Enhances history's relevance and engagement but requires guidance on prompt engineering. May introduce inaccuracies.
<b>Multiple-Choice Quiz Tool</b>	Creates assessments to measure comprehension and application.	Expands practice exercises by generating deeper, synthetic, or alternative questions. While less structured than existing exercises, it provides additional practice opportunities but may introduce inaccuracies.
<b>Questions Generator</b>	Creates questions and a corresponding answer key.	Similar to Multiple-Choice Quiz Tool.
<b>Informational Text Generator</b>	Generates grade-appropriate articles on any topic at a specified length.	Helps you fill content gaps, scaffold complex topics, integrate cross-curricular connections, or shift emphasis. May introduce inaccuracies or false implications.
<b>Fun Class Summary Poem</b>	Summarizes lessons in creative, poetic formats.	A low-stakes, engaging tool that boosts student participation. While sometimes inaccurate, it works well for interactive activities where students help shape the tone or theme. Encourages creative review and consolidation of learning in a fun, informal way.
<b>Lesson Hook Tool</b>	Creates engaging lesson starters to spark curiosity.	Helps you adjust, replace, or add opener activities to fit your lesson structure.
<b>Rubric Generator</b>	Cocreates grading rubrics tailored to assignments, ensuring clear and consistent criteria.	Helps you modify existing rubrics or create new ones when none are provided.
<b>Clear Directions Tool</b>	Generates detailed project or activity instructions. Customizable to fit student needs.	Helps tailor, differentiate, or supplement existing instructions to better meet student needs.
<b>Blooket Generator</b>	Creates Blooket games on a variety of topics.	A fun way to add an additional low-stakes assessment questions in a different format. Can add a spin—such as “talk like a pirate.”

Tool	Description	Use with OER Project materials
<b>Chunk Text</b>	Breaks complex text into manageable sections for easier student comprehension.	Very helpful tool for teaching longer articles, differentiating learning, and English language learner support.
<b>Make It Relevant Tool</b>	Connects abstract topics to students' interests.	Can help boost student engagement by coming up with tangible scenarios that matter to students.
<b>Refresh My Knowledge</b>	A chat feature that provides you with background information.	Similar to AI tools like ChatGPT or Gemini but tailored for teachers planning specific content. If you need to boost your confidence in a topic, this tool offers support.

## Positive Features

Khanmigo is an AI tool specifically designed for K–12 and secondary education. It streamlines teacher workflows by automating tasks like chunking, translating, reorganizing, and aligning materials. Unlike general-purpose AIs, it can handle some time-consuming tasks specific to teaching, such as prompt generation. And Khanmigo's tools integrate seamlessly with LMS platforms. It also enhances security, minimizes data collection, and includes safeguards to ensure appropriate use. As your collaborator in the classroom, Khanmigo can reduce your workload while providing on-demand support.. Khan Academy also offers AI literacy resources and professional development to help you effectively integrate AI into your teaching.

## Things to Consider

Khanmigo faces many of the same challenges as other AIs in education. Key limitations include:

- **Content integration:** Khanmigo pulls from a dataset that is broader than just the materials in Khan Academy. While this means its responses are not limited to what exists on Khan Academy, it also means that because of its expansive training data, Khanmigo sometimes introduces inaccuracies or makes misleading implications that conflict with Khan Academy's content, videos, and exercises.
- **Task execution issues:** Like other AIs, Khanmigo occasionally fails to follow instructions or complete tasks, even with well-crafted prompts. While improvements will no doubt be made, errors remain a reality.
- **Prompt engineering challenges:** While Khan provides beginner resources and back-end optimizations, crafting precise prompts for complex tasks remains difficult. However, this could offer teachers a useful environment to develop AI literacy and prompt engineering skills.

Teaching is demanding, and AI tools like Khanmigo are helpful—even with their limitations. Bear in mind, though, that while they do automate tedious tasks, these tools don't always match the quality of work done by teachers, OER Project staff, or Khan Academy experts. Khanmigo's key advantages, however, are its **education-specific design** and **preconfigured prompt engineering**, which streamline processes for teachers. Additionally, its integration with Khan Academy and other LMSs, along with its focus on safety and privacy, make it a valuable tool despite its imperfections.