

Questions from the Field

AI Impact on Teaching

ISTE + ASCD is working with education organizations across the country to support transformational teaching and learning with artificial intelligence (AI). As we develop guidance for evaluating AI-powered edtech products, we are asking teachers, education leaders, edtech providers, and industry experts to share their thoughts on key considerations and questions to ask. This infographic highlights some key considerations and questions practitioners are asking about **AI's impact on teaching**.

In early 2026, we will be publishing a revised Teacher Ready Framework that will guide teachers and education leaders in effectively evaluating AI-powered edtech products. In the meantime, questions like these from peers can provoke important reflections on how to best engage AI in learning settings.



AI-powered edtech products have the potential to help teachers both transform their practice and reduce workload.

- ◆ AI can help teachers discover innovative ways to teach, such as suggesting new instructional strategies and sparking creativity.
- ◆ AI-powered edtech invites educators and instructional leaders to rethink assessment, including how to design better, more authentic assessments.
- ◆ AI-powered edtech can increase efficiency and reduce workload by helping with lesson planning, drafting emails, and generating quiz questions. AI should help, not replace, teachers.

What practitioners are asking:

People curious about developing AI literacy are asking...



- ◆ What are the essential AI literacy skills educators need to successfully implement AI-powered edtech products in their classrooms?
- ◆ What does intentional, thoughtful AI implementation look like in the classroom?
- ◆ What kind of professional learning is most helpful for educators to feel confident in responsibly using AI in the classroom?

People curious about improving instructional practices are asking...

- ◆ How can educators use AI to spark creativity and explore new teaching strategies?
- ◆ How do we make sure AI supports, rather than replaces, the teacher-student relationship that is so essential to deep, meaningful learning?
- ◆ What pedagogical shifts must occur to ensure AI is used effectively?

People curious about safety and security are asking...

- ◆ What kinds of checks & guardrails need to be in place for AI to effectively help educators evaluate student work?
- ◆ What kinds of safeguards need to be in place for educators to use AI to support students with learning differences or challenges?
- ◆ How can educators ensure the accuracy and quality of AI-generated content?

GenerationAI is a groundbreaking educational movement led by ISTE+ASCD alongside six coalition partners designed to empower PK-12 educators with the knowledge, tools, and confidence to safely and responsibly capture the power of AI in the classroom.

Learn more and join the movement at generationai.org.

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