



Artificial Intelligence (AI) for Instructional Purposes

This resource is for educators to enhance their instructional practices through the use of Artificial Intelligence (AI).

What is AI?

AI is a branch of computer science. AI systems use hardware, algorithms, and data to create “intelligence” to do things like make decisions, discover patterns, and perform some sort of action ([CIRCLS Glossary of Artificial Intelligence Terms for Educators](#)).

EVERYDAY BENEFITS OF AI



Source: [Artificial Intelligence \(AI\) - United States Department of State](#)

How can educators leverage AI for instruction?

The US Department of Education’s Artificial Intelligence and the Future of Teaching and Learning Report ([Artificial Intelligence - Office of Educational Technology](#)) shared **5 key insights** on the power of instructional AI for educators:

1

AI enables new forms of interaction between students and teachers, especially those with disabilities,

4

AI can enhance feedback loops between students and teachers, and

2

AI can help educators address variability in student learning, especially for those not on a traditional pathway,

5

AI can support educators to enable them to better engage and support their students.

3

AI supports powerful forms of adaptivity, such as working with student strengths and around their obstacles,





Considerations for Educators **before using AI**

Educators will want to check with their district to inquire if there are any district-approved AI tools available for classroom use. In addition, do not share student data or personally identifiable information when using any AI tools.

Example AI Tools for Instruction

There are many AI tools available for educator use to enhance instruction. Here are some examples of AI tools available for educators to use for lesson plans, presentations, images, and idea-generating.

[Magic School](#)

[Adobe Firefly](#)

[Canva](#)

[QuestionWell](#)

District **AI Guidance and Policy**

Districts should consider creating their own AI guidance or policy.
Resources to support the creation of district AI guidance and policy:



[Michigan Virtual's AI Lab](#)

[US DOE Artificial Intelligence - Office of Educational Technology](#)

[TeachAI's AI Guidance for Schools Toolkit](#)

