AI in Education and the Workforce
Benefits, Risks, and Policy Considerations

Artificial Intelligence (AI) in education should be characterized by equitable learning experiences that not only foster active and creative AI use but also enhance workforce readiness. This includes making learning personally and culturally relevant, supporting students with disabilities, and offering opportunities to critically evaluate the social and ethical impacts of AI.

Teaching With and About AI

Innovative teaching with and about AI provides an opportunity to create equitable learning experiences and help students thrive in a changing labor market. However, it is crucial to balance the potential benefits of AI with the risks.

Teaching With AI
Using AI as a tool for teacher support, student learning, or school management and operations.

Teaching About AI
Understanding how AI works, including studying foundational concepts from computer science, data science, social studies, science, and mathematics.

Learning about AI helps people make better decisions about how to use AI.

Potential Benefits of AI in Education

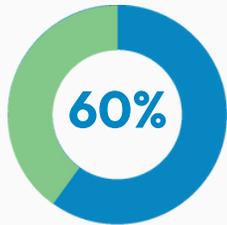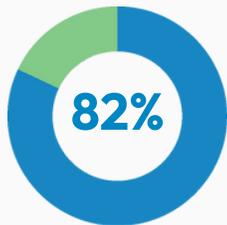| Content **differentiation** for students	**Assessment** design and timely, effective feedback	Tutoring and **personalized** assistance	Aiding **creativity, collaboration**, and **skill development**	School management and operational **efficiency**
Misinformation and academic dishonesty	Diminished student and teacher **agency** and **accountability**	Compromised **privacy** and unauthorized data collection	**Overreliance** and loss of critical thinking	Perpetuating **societal bias**

Potential Risks of AI in Education
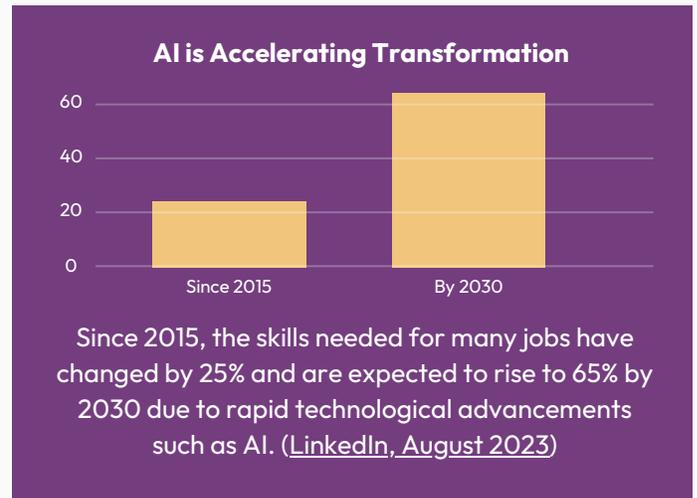
Preparing for Workforce Transformation

The full influence of AI on the workforce remains uncertain and will differ across career fields, yet projections indicate broad transformation. While certain traditional knowledge and skills will remain relevant, specific areas may be emphasized or deemphasized to align with priorities in an age of AI.

60% Jobs in advanced economies that will be complemented, or in extreme cases, replaced by AI. (IMF, January 2024)

82% Leaders say their employees will need new skills to be prepared for the growth of AI. (Microsoft, May 2023)

AI is Accelerating Transformation

Since 2015, the skills needed for many jobs have changed by 25% and are expected to rise to 65% by 2030 due to rapid technological advancements such as AI. (LinkedIn, August 2023)

More than half of a teacher's job involves people skills, such as working directly with students, which are unlikely to be replaced by Gen AI. (Linkedin, November 2023)

Policy Considerations

Education leaders and policymakers can prepare the future workforce by implementing policies to help realize AI's potential benefits in education while minimizing its risks. Learn more in Foundational Policy Ideas for AI in Education.

Foster Leadership
Establish an AI in education task force.

Promote AI Literacy
Integrate AI skills and concepts.

Provide Guidance
Equip schools with AI guidance.

Build Capacity
Provide professional development on AI.

Support Innovation
Promote research of AI in education.