

Special Education Technology Center

inclusive insights & access tips

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Assistive AI: Transforming Inclusive Education

In this edition, we are excited to explore the transformative power of artificial intelligence (AI) in personalizing learning experiences for students with diverse needs. AI has the potential to generate tailored support, fostering inclusivity, and enhancing engagement for all learners. From intelligent tutoring systems to adaptive learning platforms, we will delve into how AI can be leveraged to create more inclusive and effective educational environments. AI-driven tools can assist in real-time assessment, provide instant feedback, and offer customized learning paths that adapt to each student's pace and style. Additionally, AI can help identify and bridge learning gaps, ensuring no student is left behind. AI-powered assistive technologies, such as speech recognition software and predictive text, also support students with disabilities in accessing curriculum and participating fully in classroom activities. Join us as we uncover the latest advancements and practical applications of AI in personalized learning and explore how these innovations are reshaping the future of inclusive education.



Tailoring Learning & Intelligent tutoring

AI is transforming education by personalizing learning experiences to match each student's interests and needs. AI can teach concepts using high-interest subject matter, making lessons more engaging and relevant. Additionally, intelligent tutoring systems provide real-time feedback, adapt to individual learning paces, and offer targeted support to help students master challenging topics, as seen in this [Math Tutor Demo on Khan Academy](#). These innovations ensure that every learner receives the attention and resources they need to succeed.

AI and Communication

AI is revolutionizing communication for students with tools like Voice Banking, which customizes voices for individuals, making digital speech more personal. Generative AI, using large language models, can create contextually appropriate responses with minimal input, enhancing communication efficiency. Additionally, [VoiceITT](#) aids those with speech impairments by translating non-standard speech into clear output. These advancements empower students with diverse communication needs to express themselves more effectively.

Washington Educators Using AI

Educators in WA State are embracing AI to enhance teaching practices, transform classrooms, and foster more inclusive and engaging educational environments. Carmen Mercer from Spokane School District shows us in this one-minute video how she [uses AI to generate Lexile leveling and vocabulary support](#). Also, Tracy Dabbs and Arie Werder from Burlington Edison share a story about supporting their student.

new and notable

AI Learning Opportunities:

- [Harnessing AI for Special Education - Part 1](#)
- [Harnessing AI for Special Education- Part 2](#)
- [Casting New Light: AI's Transformative Role in Teaching Students with Blindness & Low Vision](#)
- [Generative AI for Teachers - Free Course from Google](#)

FREE Fall Conference: [Inclusive Learning Summit](#) (Oct 29-30th)

Fall Learning Opportunities : [SETC Fall Webinar Series](#)

Comprehensive Literacy for All "Book Nook" featured book: [After the Fall](#) by Dan Santat

