



AI IN SPECIAL EDUCATION TECHNOLOGY RESOURCES

Note: please add a comment with additional resources that could be added to the list

● ISET STATEMENT

The Innovations in Special Education Technology (ISET) of the Council for Exceptional Children recognizes the transformative potential of artificial intelligence (AI), including generative AI, to shape the future of instructional and assistive technology in effort to better support learners with various abilities and needs. Generative AI offers a myriad of possibilities for creating accessible content, adapting personalized learning paths, enhancing adaptive learning opportunities, offering intelligent tutoring, supporting progress monitoring based on behavior data patterns, teaching and practicing social skills, developing AI-powered communication supports, engaging and motivating learners by removing barriers, and much more. These tools will no doubt enhance teaching and learning, increase accessibility, and empower educators (current and future), families, and professionals to better meet the diverse needs of all learners. ISET is committed to exploring and promoting the ethical, effective, and inclusive use of generative AI. ISET will serve as a resource for identifying best practices, showcasing creating uses, and providing guidance for meaningful integration of generative AI.

● BOOKS & REPORTS

- Center for Innovation, Design, and Digital Learning. (2024). [*Artificial intelligence: The impact of AI on education for all learners*](#). Author
- Diliberti, M., Schwartz, H. L., Doan, S., Shapiro, A. K., Rainey, L., & Lake, R. J. (2024). [*Using artificial intelligence tools in K-12 classrooms*](#). RAND.
- National Center for Learning Disabilities. (2025). [*NCLD proposes policy solutions to address potential misuse of AI*](#). Author
- Office of Educational Technology. (2024). [*Designing for education with artificial intelligence*](#). Author
- Office of Educational Technology. (2023). [*Artificial intelligence and the future of teaching and learning*](#). Author

● GLOBAL PERSPECTIVES

- Office of the European Union (2022). [Ethical guidelines on the use of artificial intelligence \(AI and data in teaching and learning for educators\)](#).
- Special Olympics Global Center for Inclusion in Education (2024). [Attitudes towards education and AI](#).
- United Nations Educational, Scientific and Cultural Organization. (2021). [AI and education: guidance for policymakers](#).
- United Nations Educational, Scientific and Cultural Organization. (2022). [Recommendation on the ethics of artificial intelligence](#).
- United Nations Educational, Scientific and Cultural Organization (UNESCO) (2023). [Guidance for generative AI in education and research](#).
- United Nations Educational, Scientific and Cultural Organization. (2023). [Generative AI and the future of education](#).

● CENTERS & WEBSITES

[AI Institute for Transforming Education for Children with Speech and Language Processing Challenges](#)

[CEC Artificial Intelligence \(AI\) Resource Page](#)

Center for Innovation, Design, and Digital Learning (CIDDL). [Blog post series: Artificial Intelligence](#)

Center for Applied Special Technology (CAST). [Artificial intelligence & UDL](#)

Digital Promise. [Artificial Intelligence in Education](#)

Edtech Insiders. [Generative AI: Use Cases in Education](#)

ISTE. [Artificial Intelligence in Education](#)

Microsoft Accessibility. [Innovation and AI for Accessibility](#)

[Vital – Variability and Innovation in Teaching ALL Learners Center](#)

● SAMPLE PUBLICATIONS

Baguhn, S. J., Malaier, S., & Silverman, A. M. (2025). [Academia, industry, and policy: Data-informed AI practice and policy principles](#). *Assistive Technology Outcomes & Benefits*, 19, 1-12. <https://www.atia.org/atobcurrentvolume/>

Bhatti, I., Tariq, M., Hayat, Y., Tariq, A., & Rasool, S. (2023). [A multimodal affect recognition adaptive learning system for individuals with intellectual disabilities](#). *European Journal of Science, Innovation and Technology*, 3(6), 346-355. <https://ejsit-journal.com/index.php/ejsit/article/view/343>

Coy, A., Mohammed, P. S. & Skerrit, P. (2025). [Inclusive deaf education enabled by artificial intelligence: The path to a solution](#). *International Journal of Artificial Intelligence in Education*, 35, 96–134. <https://doi.org/10.1007/s40593-024-00419-9>

Hackbarth, K. R. (2024). [Revolutionizing augmentative and alternative communication with generative artificial intelligence](#). *Assistive Technology Outcomes & Benefits*, 18, 100 – 123. <https://www.atia.org/home/at-resources/atob/>

Higginbotham, J., Golleru, M., Pal, S., Satchidanand, A., Bizovi, J., Hutchinson, T., Buckley, M., Mathy, P., Agarwal, S., & Srihari, R. (2025). [Developing artificial intelligence applications for human conversation: Perspectives, tools, exploratory analyses](#). *Assistive Technology Outcomes & Benefits*, 19, 13-32. <https://www.atia.org/atobcurrentvolume/>

Hopcan, S., Polat, E., Ozturk, M. E., & Ozturk, L. (2022). [Artificial intelligence in special education: a systematic review](#). *Interactive Learning Environments*, 31(10), 7335–7353. <https://doi.org/10.1080/10494820.2022.2067186>

Hussein, E., Hussein, M., & Al-Hendawi, M. (2025). [Investigation into the applications of Artificial Intelligence \(AI\) in special education: A literature review](#). *Social Sciences*, 14(5), 288. <https://doi.org/10.3390/socsci14050288>.

Evmenova, A. S., Borup, J., & Shin, J. (2024). [Harnessing the power of generative AI to support ALL learners](#). *TechTrends Special Issue: Integrating Generative AI in Education*, 68, 830-831. <https://doi.org/10.1007/s11528-024-00966-x>

Goldman, S. R., Taylor, J., Carreon, A., & Smith, S. (2024). [Using AI to support special education teacher workload](#). *Journal of Special Education Technology*, 39(3), 434-447. <https://doi.org/10.1177/01626434241257240>

Goldman, S. R., Smith, S. J., Carreon, A. (2025). [Artificial intelligence to support writing outcomes for students with disabilities](#). *Journal of Special Education Technology*, <https://doi.org/10.1177/01626434251326328>

Marino, M. T., Vasquez, E., Dieker, L., Basham, J., & Blackorby, J. (2023). [The future of artificial intelligence in special education technology](#). *Journal of Special Education Technology*, 38(3), 404–416. <https://doi.org/10.1177/01626434231165977>

Panjawani-Charania, S., & Zhai, X. (2024). [AI for students with learning disabilities: A systematic review](#). In Xiaoming Zhai and Joseph Krajcik (Eds.) *Uses of artificial intelligence in STEM education* (pp. 469-493). <https://doi.org/10.1093/oso/9780198882077.003.0021>

Park, J., & Choo, S. (2024). [Generative AI prompt engineering for educators: Practical strategies](#). *Journal of Special Education Technology*, 39(3), 339-348. <https://doi.org/10.1177/01626434241298954>

Rakap, S. (2024). [Chatting with GPT: Enhancing individualized education program goal development for novice special education teachers](#). *Journal of Special Education Technology*, 39(3), 339-348. <https://doi.org/10.1177/01626434231211295>

Waterfield, D. A., Coleman, O. F., Welker N. P., Kennedy, M. J., McDonald, S. D., & Cook, B. G. (2025). [IEPs in the age of AI: Examining IEP goals written with and without ChatGPT](#). *Journal of Special Education Technology*. <https://doi.org/10.1177/01626434251324592>

Waterfield, D. A., Watson, L., Day, J. (2024). [Applying artificial intelligence in special education: Exploring availability and functionality of AI platforms for special educators](#). *Journal of Special Education Technology*, 39(3), 448-454. <https://doi.org/10.1177/01626434241257237>

Yang, Y., Chen, L., He, W., Sun, D., & Salas-Pilco, S. Z. (2024). [Artificial intelligence for enhancing special education for K-12: A decade of trends, themes, and global insights \(2013–2023\)](#). *International Journal of Artificial Intelligence in Education*. <https://doi.org/10.1007/s40593-024-00422-0>

Zhang, L., Carter Jr, R. A., & Lim, S. N. (2024). [Designing Intelligent Agents for students with disabilities: Promoting inclusion and equity through the lens of cultural-historical activity theory](#). *Journal of Special Education Technology*. <https://doi.org/10.1177/01626434251349405>

● SPECIAL ISSUES

- *Journal of Special Education Technology*: The Role of Artificial Intelligence in Supporting Students with Disabilities (forthcoming)
- *Learning Disability Quarterly*: Artificial Intelligence for Students with Learning Disabilities (forthcoming)
- *Education Sciences*: [Application of AI Technologies in STEM Education](#)
- *Journal of Special Education Preparation*: [Special Issue on Artificial Intelligence in Teacher Preparation](#)