

# The State of Education Newsletter



## Arizona State University Partners with OpenAI: Exploring the Impact

<https://www.cnn.com/2024/01/18/openai-announces-first-partnership-with-a-university.html>

The collaboration between Arizona State University (ASU) and OpenAI, incorporating ChatGPT-4 into the educational framework, marks a significant advancement in melding artificial intelligence with higher education. This partnership is designed to improve educational outcomes, drive research innovation, and boost organizational efficiency at ASU by leveraging ChatGPT-4's capabilities.

**Educational Enhancement:** ASU is leading in educational innovation by embedding ChatGPT-4 into its curriculum and teaching methods, aiming to elevate student learning through personalized tutoring and the creation of cutting-edge, AI-integrated curricula.

**Faculty Development:** ASU is actively promoting faculty participation in ChatGPT-4 through targeted training programs, highlighting a commitment to equipping educators with the necessary skills to effectively employ AI tools in both teaching and research.

**Data Privacy and Security:** A notable initiative is the establishment of a "walled garden" in ChatGPT for ASU, ensuring the protection of institutional data and privacy, which addresses concerns about data use in AI model training.

**Ethical Use and Oversight:** The formation of an ethics committee and the provision of resources for ethical AI practices underscore ASU's dedication to fostering responsible AI use among its community.

**Innovation and Academic Freedom:** The partnership champions a faculty-led approach to innovation, encouraging educators to explore and propose ways to integrate ChatGPT-4 into their academic and research endeavours without imposing directives from above.

Expert Caution: While the partnership is promising, experts like Ethan Mollick from the Wharton School warn that the effective integration of AI into education requires more than just access to tools; it necessitates thoughtful application within curricula and practices.

Overall, ASU and OpenAI's partnership represents a forward-thinking move to integrate AI into education, aiming to set a precedent for how advanced technology can enrich learning while navigating the inherent challenges of such integration.

## Resilience Redefined: Thriving Through Disruption

[https://www.deloitte.com/content/dam/assets-shared/legacy/docs/perspectives/2022/gx-Four-postures-toward-resilience\\_FINAL.pdf](https://www.deloitte.com/content/dam/assets-shared/legacy/docs/perspectives/2022/gx-Four-postures-toward-resilience_FINAL.pdf)

Deloitte Insights advocates a proactive resilience approach for organizations, focusing on becoming stronger and more agile. The three-phase model—Respond, Recover, and Thrive—requires a context-specific strategy, with four resilience postures: Operational Defense for immediate disruptions, Organizational Defense for coordinated strategies, Operational Offense for proactive vulnerability management, and Organizational Offense for enterprise-wide strategic priorities. Rapidly assessing disruption contexts and applying the appropriate posture poses a key challenge, demanding organizational agility. Organizational Offense stands out, transforming disruptions into opportunities, showcasing resilience as a catalyst for innovation and sustainable growth amid a changing environment.

In the context of teacher effectiveness, the approach underscores the importance of utilizing resilience not solely for overcoming difficulties but as a key driver for innovation and progress within teaching strategies. This perspective encourages transforming challenges into valuable opportunities to elevate the quality of educational outcomes.

## Revolutionizing Language Learning: AI Meets Childhood Development

<https://hechingerreport.org/column-can-we-find-the-solution-to-middle-school-math-woes-in-a-virtual-world/>

A groundbreaking study highlighted by Singularity Hub introduces an AI, Child's View for Contrastive Learning (CVCL), trained with a child's recordings to understand language through early childhood experiences. By correlating visual and audio data from daily activities, CVCL efficiently mastered basic concepts, mirroring human language milestones with minimal inputs compared to traditional models. This method illuminates

language acquisition and demonstrates AI's potential to emulate human learning processes. The study emphasizes the symbiotic relationship between AI advancements and our understanding of learning, offering educators innovative strategies to enhance teaching methods. It champions personalized, experiential learning environments, suggesting a shift in curriculum and assessment towards reflecting natural language and concept development in children. This approach not only advances AI technology but also enriches educational practices, aligning them more closely with the innate ways children learn and understand the world.

## Sobral, Brazil: A Beacon of Educational Transformation and Visionary Leadership

[Literacy for all: The story of Sobral – Center on Reinventing Public Education \(crpe.org\)](https://www.crpe.org/)

Mayor Cid Gomes transformed Sobral, Brazil, by breaking down traditional educational barriers with a belief in quality education. His team pursued universal literacy for second graders, requiring not just policy changes but also a cultural shift towards transparency, strong support for teachers, and continuous progress monitoring. Sobral's transformation into a model of educational excellence demonstrates that visionary leadership and community collaboration can fundamentally change education. This story inspires regions globally, showcasing that with a shared vision and collective effort, we can significantly impact the educational landscape and our children's futures.



## The Evolution and Revolution of Assessments: A Vision for Enriched Learning"-

Insights from "Ananda is the Core of Learning" from Prof. Debashis Chatterjee's book "The Class Act". - Liz Ann

The educational assessment landscape is transforming, shifting from traditional rote-based evaluations to more dynamic, nuanced approaches. Yet, the journey towards reimagining assessments as guiding beacons for learners is ongoing. Assessments of the future should not only serve as checkpoints but as catalysts for discovery, turning learning into an adrenaline-rich journey filled with 'eureka' moments that define intellectual and personal growth. This shift aims to transform assessments from stress-inducing hurdles to celebrations of learning, where each question is an opportunity for reflection, challenge, and growth.

Envisioned future assessments will leverage personalized technology, such as virtual reality (VR) and artificial intelligence (AI), to create immersive, real-world challenges that emphasize creativity, critical thinking, and adaptability. These future evaluations will focus on students' ability to innovate and solve problems in real-time, in collaborative settings. Additionally, they will assess spiritual and emotional intelligence, including resilience and mindfulness, making education a more enriching and personalized journey.

By integrating these innovations, assessments will become not just markers of academic achievement but compasses guiding learners towards self-actualization and wisdom. Embracing these changes ensures education evolves to meet future generations' needs, fostering a world where learning is an exhilarating adventure of discovery and growth

## AlphaGeometry: Revolutionizing Mathematical Problem-Solving with AI's Creative Genius

<https://singularityhub.com/2024/01/17/google-deepminds-new-ai-matches-gold-medal-performance-in-math-olympics/>

In a groundbreaking development from Google DeepMind, reported by Singularity University, the new AlphaGeometry algorithm is revolutionizing how complex geometry problems are solved, showcasing an unparalleled level of proficiency akin to that of International Mathematical Olympiad gold medalists. By efficiently solving 25 out of 30 challenging problems within competition timeframes, AlphaGeometry surpasses previous algorithms and demonstrates the powerful synergy between logical reasoning and creative problem-solving. This advancement is particularly significant for the education fraternity, as it underscores the evolving capabilities of AI in enhancing learning and problem-solving strategies in mathematical education.

This breakthrough, as highlighted by Singularity University, offers profound insights for the education sector. AlphaGeometry's success in blending a rule-based logical model with a large language model to generate innovative solutions presents a novel approach to tackling mathematical challenges, suggesting a future where AI can support and perhaps transform traditional educational methodologies. For educators and students alike, this signifies an exciting era where the integration of AI could not only augment learning experiences but also inspire new educational tools and practices that bridge the gap between abstract mathematical theories and practical problem-solving skills.

## SHARE YOUR INSIGHTS

**More than one-third of the 45 million people now carrying student-loan debt don't have a degree.**

<https://www.chronicle.com/newsletter/the-edge/2024-01-17>

Analyzing the data, what insights can we derive from the observed trend, and how should this inform the approach that schools and educators adopt?