

# AIM

ARTIFICIAL INTELLIGENCE  
MANAGEMENT INSTITUTE

# NOOR AI

## Monthly Newsletter

January 2025 Edition



كلية أبوظبي للإدارة  
ABU DHABI SCHOOL OF MANAGEMENT

# REVOLUTIONIZING LEARNING: THE POWER OF AI IN EDUCATION

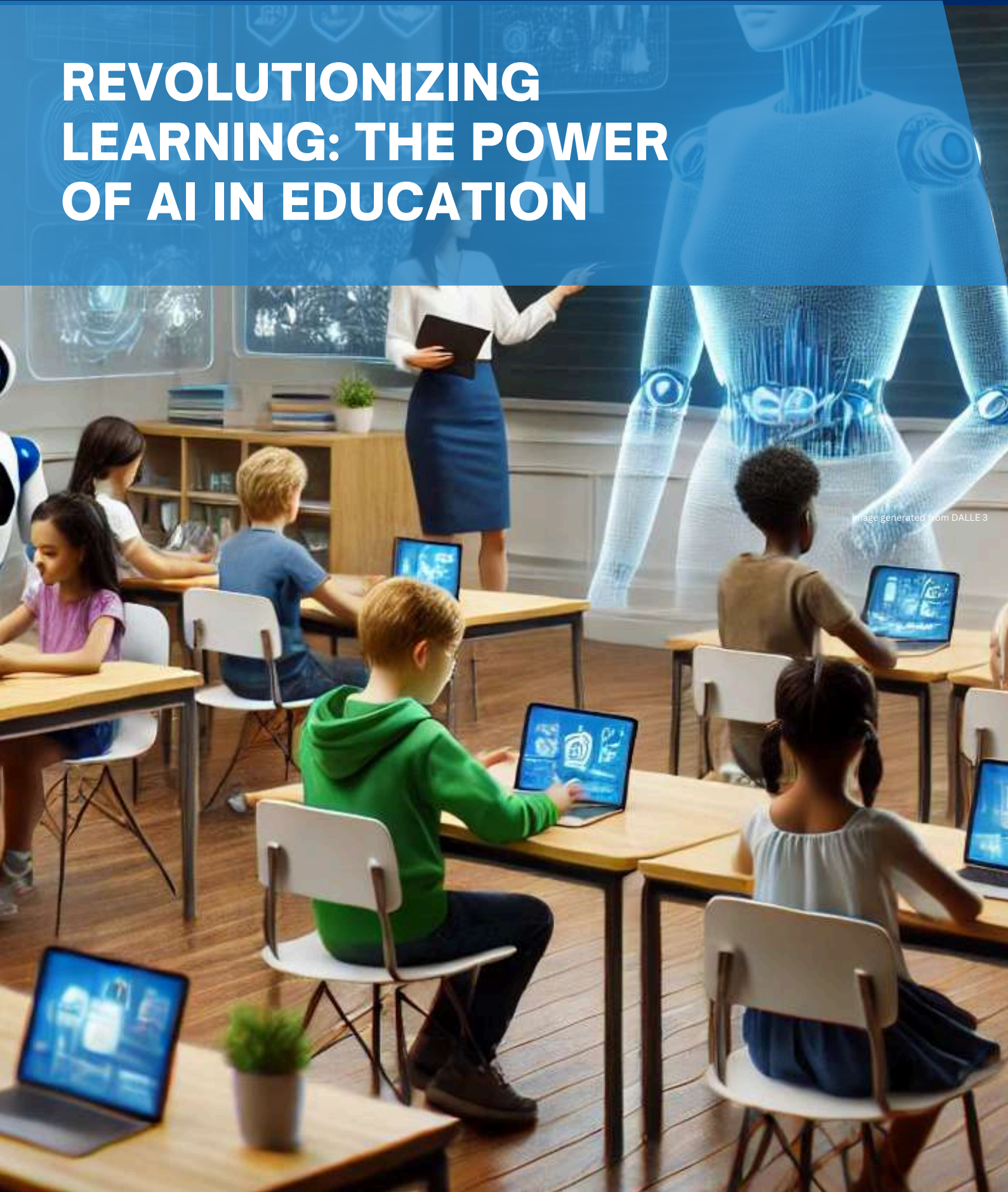


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**Learning Analytics:**

**Adaptive Learning**

**Personalized Learning:**

**Fundraising Gamification**

**Virtual Reality (VR) & Augmented Reality (AR)**

**5 AI terms educators should know**

## AI terms educators should know

Artificial intelligence is revolutionizing education by offering innovative tools and strategies to create more engaging, effective, and personalized learning experiences. Here are five key applications of AI in education that are shaping classrooms worldwide, including in the UAE: **Personalized Learning:** AI-powered platforms analyze student data to tailor educational content to each learner's unique needs. By addressing individual strengths and weaknesses, teachers can ensure more effective learning outcomes. **Adaptive Learning:** AI dynamically adjusts teaching materials based on real-time student progress. These platforms enable students to learn at their own pace, ensuring mastery of concepts before moving forward, which is particularly beneficial in the UAE's diverse classrooms.

**Gamification:** AI integrates game-like elements into educational tools, boosting engagement and motivation. Challenges and rewards help sustain student interest and encourage active participation in learning activities. **Learning Analytics:** AI collects and analyzes data on student behavior and performance, providing teachers with actionable insights. These insights enable early interventions for at-risk students and help refine teaching strategies to improve outcomes. **Virtual Reality (VR) & Augmented Reality (AR):** AI enhances immersive technologies to create engaging learning environments. From exploring historical sites to visualizing complex scientific processes, VR and AR make abstract concepts tangible and captivating.

### What's on this edition

5 AI terms educators should know

AI in Education

QnA with Vice Principal of IAT - UAE

Top 5 Trends AI for teachers

Upcoming events in AI

AI AT AIMI

AI Tools in Education

Artificial Intelligence (AI) is revolutionizing education globally, and the United Arab Emirates (UAE) stands at the forefront of this transformation. By integrating AI into its educational framework, the UAE aims to enhance learning experiences, personalize education, and prepare students for a technology-driven future.

### UAE's Strategic Initiatives in AI Education

The UAE has launched several initiatives to integrate AI into its education system:

**UAE AI Strategy 2031:** This strategy aims to position the UAE as a global leader in AI by embedding AI technologies across various sectors, including education. The goal is to enhance educational methods and outcomes through AI integration.

**National Program for Artificial Intelligence – BRAIN:** This program outlines various initiatives, collaborations, and partnerships in AI, focusing on knowledge transfer and building a generation capable of adopting advanced technologies to address future challenges.

**AI Summer and Spring Camps:** Organized by the UAE government, these camps, in collaboration with leading technology and education companies, aim to empower high school and university students, as well as government executives, to lead in AI and transform it into a strategic power that supports the economy and boosts

### AI in UAE Educational Institutions

Several UAE institutions have embraced AI to enhance learning:

**Mohamed bin Zayed University of Artificial Intelligence (MBZUAI):** Established in 2019, MBZUAI is the world's first graduate-level, research-based AI university, offering specialized programs to advance AI research and development.

**Education UAE**

**AI in My Classroom Teacher Incubator Programme:** This initiative gathers UAE schoolteachers to upskill their AI capabilities, aligning with the Dubai Universal Blueprint for Artificial Intelligence and recent announcements to enhance AI integration in education.



### Challenges and Considerations

While AI offers significant benefits, its integration into education presents challenges:

**Ethical Concerns:** Ensuring data privacy and addressing biases in AI algorithms are critical to maintaining trust and fairness in educational applications.

**Teacher Training:** Educators require adequate training to effectively incorporate AI tools into their teaching practices, necessitating ongoing professional development.

**Infrastructure Requirements:** Implementing AI solutions demands robust technological infrastructure, which may require substantial investment.

### Future Prospects

The UAE's commitment to AI in education is poised to yield several future benefits:

**Enhanced Learning Outcomes:** Personalized and adaptive learning experiences can lead to improved student performance and engagement.

**Global Competitiveness:** Equipping students with AI skills ensures a workforce ready to compete in the global economy, attracting international investments and opportunities.

**Innovation Hub:** The UAE's proactive approach positions it as a regional and global hub for AI research, development, and application in education.

In conclusion, the UAE's strategic integration of AI into its education system reflects a forward-thinking vision aimed at enhancing learning experiences, preparing future generations for technological advancements, and positioning the nation as a leader in AI innovation.

## Top 5 AI Trends for Teachers

**Personalized Learning Pathways**  
Example Tools: DreamBox Learning, Khan Academy, ScribeSense

**AI-Powered Assessment & Feedback**  
Example Tools: Gradescope, Turnitin with AI insights, Quillionz.



**AI as a Teaching Assistant**  
Example Tools: ChatGPT, IBM Watson Assistant for Education, Quizlet AI.

**Virtual Reality (VR) and Augmented Reality (AR)**  
Example Tools: Labster, Google Expeditions, Curipod.

**Data-Driven Insights for Classroom Management**  
Example Tools: BrightBytes, Tableau for Education, Edmodo Insights.

# AI Q&A

In this edition of our AI newsletter, we bring you an exclusive Q&A session with the Vice Principal at the Institute of Applied Technology, Al Ain, Dr Mousa Abduljaber.



## What is your vision for how AI could transform the educational landscape in UAE schools?

“My perspective on the potential of AI to revolutionize the educational system in UAE schools emphasizes the importance of personalized learning, increasing teaching efficiency, and nurturing creativity and innovation among students. With the UAE's dedication to establishing itself as a worldwide leader in innovation and technology, AI could significantly influence the future of education in this area.”

## In your opinion, how can AI help create more engaging and effective learning experiences for students?

“Artificial intelligence can significantly contribute to enhancing learning experiences for students by tailoring education, offering immediate feedback, encouraging creative thinking, and facilitating more meaningful interactions with the material.”

## How do you think AI can help schools align with the UAE's national goals for innovation and education?

“Artificial intelligence can play a crucial role in assisting schools in the UAE to meet the nation's aspirations for innovation, education, and the overall digital transformation initiative. By adopting AI, educational institutions can contribute to the UAE's Vision 2031, which highlights the importance of fostering an innovative, knowledge-driven economy, enhancing human capital, and establishing an education system that is competitive on a global scale.”

“  
AI has the power to revolutionize education by tailoring learning, fostering creativity, and aligning with the UAE's vision for innovation  
”

## What do you see as the biggest opportunities and challenges for AI adoption in education over the next five years in the UAE?

“The UAE has established itself as a frontrunner in innovation, demonstrating a robust dedication to digitization, smart education, and AI-enabled solutions. In the coming five years, the integration of AI in the UAE's education sector offers considerable possibilities alongside intricate challenges. These possibilities and obstacles will influence the way AI assimilates into the educational framework, affecting students, educators, administrators, and policymakers.”

## How do you think AI could support students with varying abilities and learning styles, particularly in the UAE's multicultural context?

“The potential of AI to assist students with differing abilities and learning preferences is vast, especially in a multicultural setting such as the UAE, where learners originate from various backgrounds, communicate in different languages, and possess varying degrees of proficiency in fundamental subjects.”

## What is your perspective on how AI could empower teachers to focus more on student development and less on administrative tasks?

“Artificial intelligence can serve as a valuable resource for supporting educators by handling and simplifying numerous administrative responsibilities that frequently consume a large portion of their time. As a result, this would enable teachers to focus more of their effort and attention on student growth, enhancing the quality of teaching and nurturing more individualized, impactful learning experiences.”

## What do you believe are the key steps schools in the UAE should take to effectively prepare for integrating AI into the education system?

“Incorporating AI into the educational framework of the UAE could transform the way teaching and learning occur, offering students tailored, effective, and captivating educational experiences. Nonetheless, effective implementation demands a strategic and thoughtfully organized plan that considers diverse technological, cultural, and pedagogical aspects.”

## In your opinion, how can schools strike the right balance between leveraging AI and maintaining essential human interaction in education?

“Finding the optimal equilibrium between utilizing AI and preserving vital human interaction in education poses a significant challenge for schools, particularly as AI technologies advance and increasingly influence the learning landscape. While AI can significantly improve educational experiences, human interaction is still fundamental to successful teaching and learning.”

# WHAT'S ON IN AI?



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## Ai Everything GLOBAL

4 FEB 2025

AI EVERYTHING SUMMIT  
THE ST. REGIS SAADIYAT ISLAND  
RESORT, ABU DHABI

5-6 FEB 2025

EXHIBITION SHOWCASE  
DUBAI EXHIBITION CENTRE  
(DEC), EXPO CITY



4 FEB 2025

AI EVERYTHING SUMMIT  
The St. Regis Saadiyat Island  
Resort, Abu Dhabi

5 - 6 FEB 2025

EXHIBITION SHOWCASE  
Dubai Exhibition Centre (DEC)  
Expo City

ACCELERATED BY  
GITEX  
GLOBAL

GET YOUR TICKETS  
TO THE WORLD'S PREMIER AI EVENT

<https://aieverythingglobal.com>

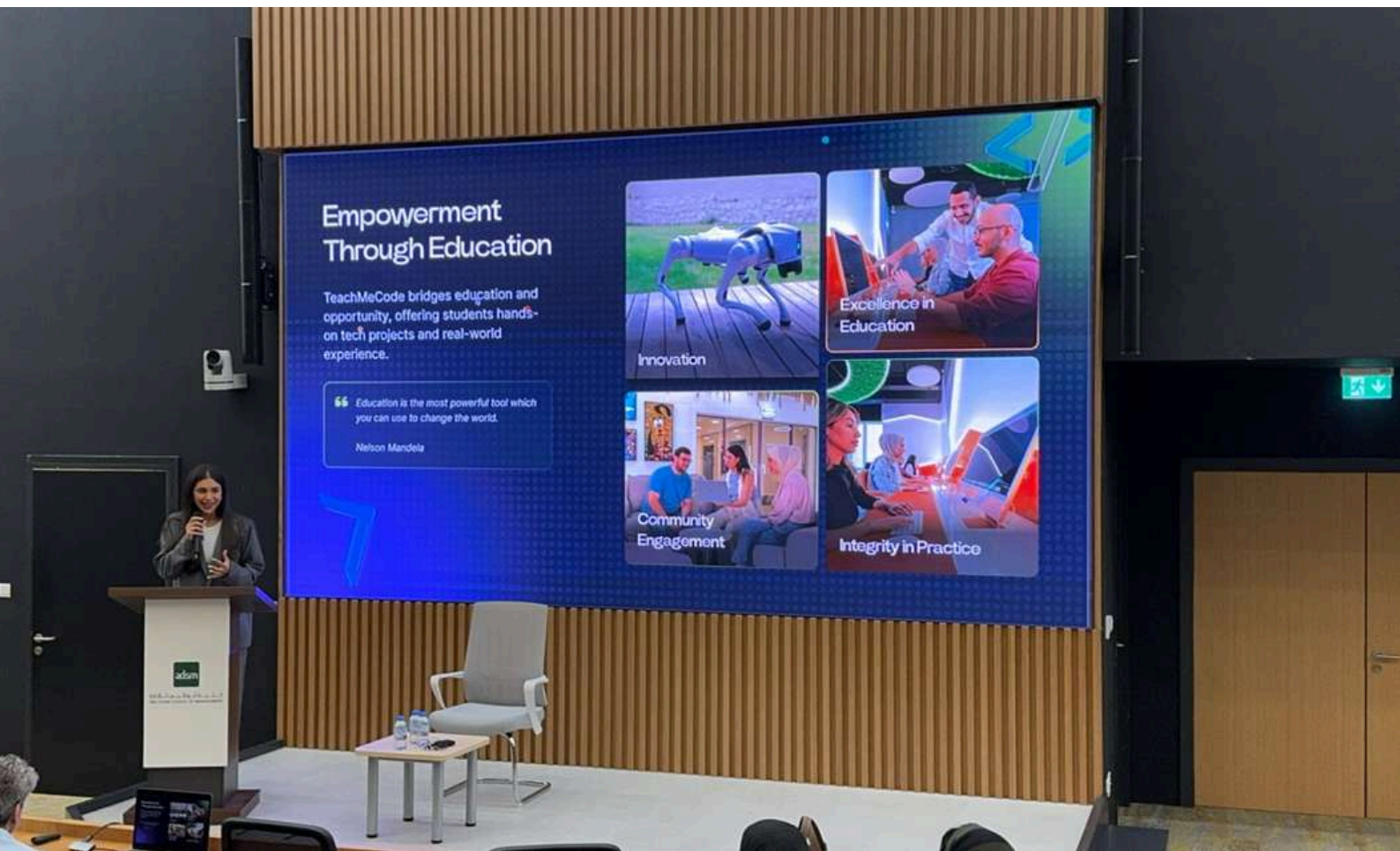


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<https://adsm.ac.ae/aimi/>

# AI AT AIMI



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`<teachmecode/>`

## TeachMeCode CODING FOR BUSINESS USING AI



**Ziba Kalbiyeva**

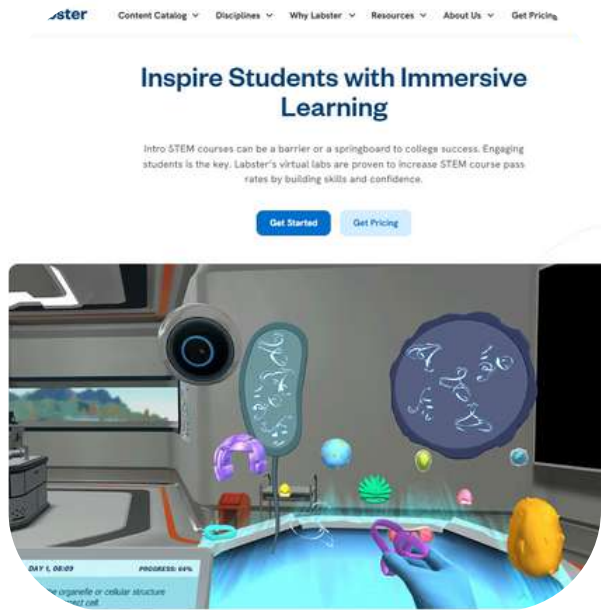
General Manager and Co-Founder,  
TeachMeCode

Ziba Kalbiyeva, General Manager and Co-Founder of TeachMeCode, delivered an inspiring session for our students on the transformative role of AI in learning to code. With her extensive expertise in supply chain management, operations, and project coordination, and as a strong advocate for diversity and inclusion in tech, Ziba shared practical insights on how AI-powered tools and platforms are revolutionizing coding education. She demonstrated how AI can simplify the learning process, offer personalized feedback, and enable students to tackle real-world coding challenges effectively. The session underscored the importance of leveraging AI to foster innovation and inclusivity in technology. Students left motivated to explore the vast possibilities of AI in their coding journey.

# AI TOOLS FOR EDUCATION



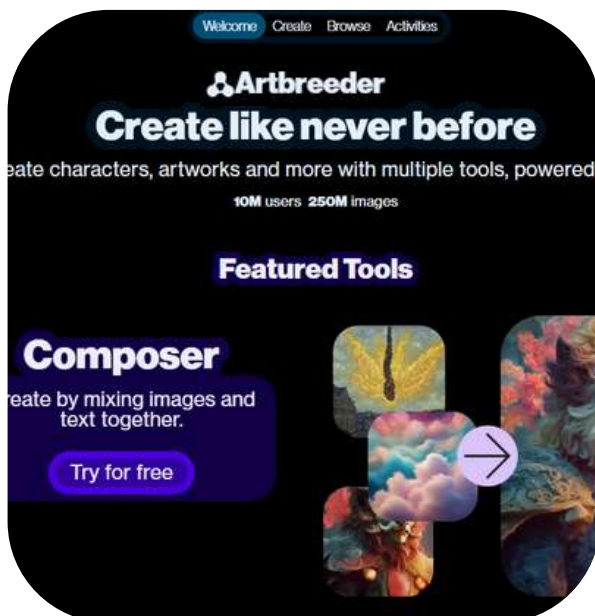
**MuseScore:** Assists in composing and learning music notation



**Labster:** Offers a wide range of virtual science experiments, including biology and physics.



**Plot Generator:** Creates storylines and drama scripts.

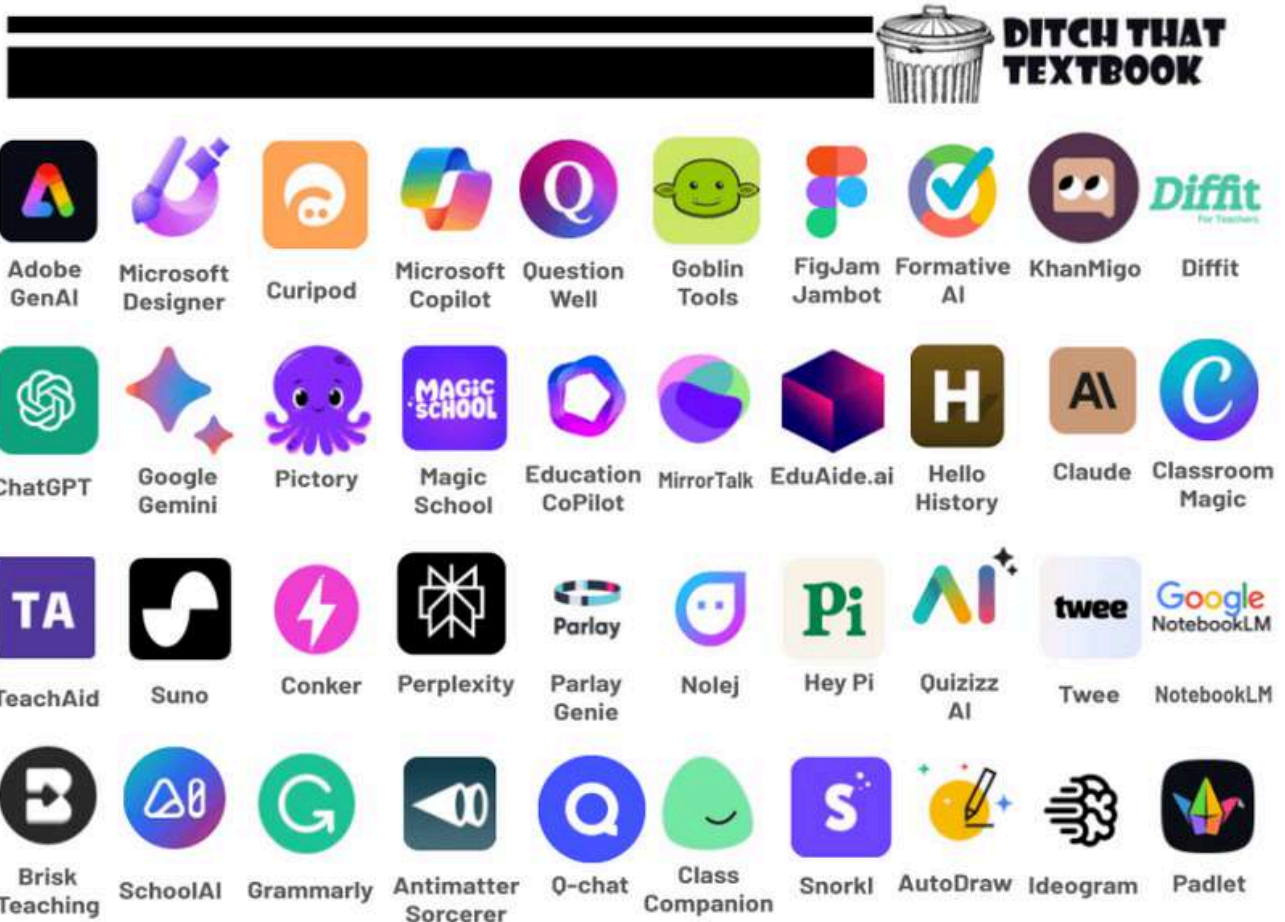


**Artbreeder:** Allows students to create and modify artwork collaboratively.



# AI TOOLS FOR EDUCATION

## 40 AI tools for teachers



For the full list of tools and descriptions visit [DitchThatTextbook.com/ai-tools](https://ditchthattextbook.com/ai-tools)

