

Utilizing AI to Enhance Education Endeavors



FacDev in 5 KEY TAKEAWAYS



Watch the FacDev in 5 Video featuring Dr. Matt Zuckerman, Associate Professor, Emergency Medicine. tinyurl.com/FD5-AI-for-Ed

Key Takeaways



Use the tips below to integrate AI into your teaching while maintaining educational quality, learner development, and professional standards.

1

Automate Routine Tasks

Use AI to quickly create cases, questions, and learner-level summaries.

2

Draft Feedback and Refine

Use AI to generate feedback tied directly to milestones, then revise and enrich it by adding examples and context.

3

Check Curriculum Alignment

Input your materials and ask where alignment with learning outcomes is strong, where gaps exist, and whether cognitive levels match.

4

Teach AI-Assisted Reasoning

Model how learners can use AI as a thinking partner by asking it to compare diagnoses, explain mechanisms, or walk through decision-making step by step.

5

Set Clear Boundaries

Be explicit about when and how AI is appropriate—for both yourself and learners.



Dive Deeper

Hui Z. et al. [Application of ChatGPT-assisted problem-based learning teaching method in clinical medical education](#). *BMC Medical Education*. 2025.

Li J. et al. [Effectiveness of generative artificial intelligence-based teaching versus traditional teaching methods in medical education: a meta-analysis of randomized controlled trials](#). *BMC Medical Education*. 2025.

Shalong W. et al. [Enhancing self-directed learning with custom GPT AI facilitation among medical students: A randomized controlled trial](#). *Medical Teacher*. 2025

