

Quick Kit: AI-Inclusive Activities Ideas

Artificial intelligence can be a powerful tool for making learning more interactive, relevant, and exciting. AI tools can be used to solve problems, create content, or explore big questions, and can be leveraged with students to build real-world skills and discover new ways to engage with course material. AI-inclusive activities, when crafted with intent, can spark curiosity, encourage collaboration, and give students more ownership over their learning (counterintuitive as that may seem!). Whether it's designing a chatbot, visualizing data, or debating ethical dilemmas, these experiences can transform a traditional classroom into a space for innovation and discovery.

Implementation Notes

The table When introducing an AI-inclusive assignment, pair your explanation with:

- A short **framing statement**:
“This activity helps you learn how to use AI critically and ethically.”
- A **visual rubric** or **prompt reflection guide**.
- A few minutes of **guided discussion** at the start of class about why this matters for their growth as thinkers and professionals.

The table below offers a range of example activities and assessments that show how AI can be thoughtfully integrated into teaching across disciplines. Each example aligns with UTEP Edge advantages and Texas Core Curriculum (TCC) objectives, helping students develop key skills like critical thinking, creativity, communication, and teamwork. From personalized learning plans to collaborative coding projects, these ideas are designed to support meaningful engagement and prepare students for an AI-rich future.

Examples of AI-Inclusive Activities Aligned to Student Learning Outcomes (Edge Advantages and Texas Core Objectives)

AI Activity/Assessment (examples linked below)	Description	UTEP Edge Advantages	TCC Core Objectives
AI-Powered Research Projects	Students use AI tools to analyze large datasets, identify patterns, and generate insights for research topics. For instance, using AI to perform sentiment analysis on social media data related to a current event.	- Critical Thinking: Evaluating AI-generated data to draw conclusions. - Problem-Solving: Addressing challenges in data interpretation. - Confidence: Presenting AI-driven findings.	- Critical Thinking Skills: Analyzing and evaluating information. - Communication Skills: Presenting research findings effectively.
	Students design and implement simple AI chatbots to answer frequently asked questions related to course content, enhancing peer-to-peer learning and support.	- Leadership: Taking initiative in creating helpful resources. - Teamwork: Collaborating on chatbot development. - Entrepreneurship: Innovating solutions for common problems.	- Communication Skills: Conveying information clearly through the chatbot. - Teamwork: Working effectively in groups.
AI-Enhanced Peer Review Systems	Implementing AI tools that provide initial feedback on student drafts, focusing on aspects like grammar, coherence, and argument strength, before peer review sessions.	- Communication: Enhancing writing skills through AI feedback. - Confidence: Improving work before peer evaluation. - Critical Thinking: Assessing AI feedback for validity.	- Communication Skills: Developing ideas with clarity. - Personal Responsibility: Evaluating one's own work.

AI in Creative Arts Assignments AI-Based Language Learning Tools Ethical Debates on AI Applications AI-Driven Data Visualization Projects	Using AI tools to compose music, create visual art, or generate creative writing pieces, encouraging exploration of the intersection between technology and creativity.	- Global Awareness: Understanding AI's role in modern art. - Entrepreneurship: Exploring new creative processes. - Confidence: Showcasing AI-assisted creations.	- Creative Thinking Skills: Innovating in artistic expression. - Communication Skills: Expressing ideas through various mediums.
	Incorporating AI applications that provide personalized language practice and instant feedback, aiding in the development of communication skills in new languages.	- Communication: Practicing language skills interactively. - Confidence: Building proficiency through adaptive learning. - Global Awareness: Engaging with diverse languages and cultures.	- Communication Skills: Listening, speaking, reading, and writing effectively. - Social Responsibility: Understanding cultural contexts.
	Organizing debates where students discuss the ethical implications of AI in various sectors, fostering critical analysis and ethical reasoning.	- Social Responsibility: Considering the impact of AI on society. - Critical Thinking: Evaluating complex ethical dilemmas. - Communication: Articulating arguments effectively.	- Ethical Reasoning: Recognizing and analyzing ethical issues. - Critical Thinking Skills: Assessing arguments and evidence.
	Students employ AI tools to create dynamic data visualizations, enhancing their ability to interpret and present complex information visually.	- Problem-Solving: Translating data into understandable visuals. - Communication: Presenting data-driven stories.	- Empirical and Quantitative Skills: Analyzing numerical data. - Communication Skills: Conveying information effectively.

Simulated AI Decision-Making Scenarios		- Entrepreneurship: Innovating in data presentation.	
	Creating simulations where students must make decisions based on AI-generated scenarios, such as managing a virtual company or responding to a crisis, to understand AI's role in decision-making processes.	- Leadership: Guiding teams through simulated challenges. - Critical Thinking: Making informed decisions with AI input - Teamwork: Collaborating in high-pressure scenarios.	- Critical Thinking Skills: Applying knowledge to real-world situations. - Teamwork: Cooperating effectively with others.
	Implementing AI platforms that adapt to individual student learning styles and paces, providing customized resources and assessments to support personalized education.	- Confidence: Achieving mastery through tailored learning paths. - Problem-Solving: Overcoming personal learning challenges. - Entrepreneurship: Taking ownership of one's learning journey.	- Personal Responsibility: Managing one's own learning. - Lifelong Learning: Continuously seeking knowledge.
Collaborative AI Coding Projects	Engaging students in group projects to develop AI models or applications, promoting coding skills and collaborative problem-solving.	- Problem-Solving: Developing real-world skills through product development, iteration and troubleshooting to address a need. - Teamwork: Various structures can be employed to stimulate cross-cutting conversations (client-based approach or UX/UI team scenarios).	- Critical Thinking Skills: Applying knowledge to real-world situations. - Teamwork: Cooperating effectively with others. - Communication Skills: Conveying information effectively within and between disciplines.