



Teaching Teens to Use AI Responsibly

Course Syllabus

Course Description

This course provides educators with a comprehensive introduction to generative artificial intelligence (AI), exploring its transformative potential and practical applications within the K-12 classroom. Participants will gain a foundational understanding of AI terminology and critically evaluate common misconceptions, enabling them to approach this rapidly evolving technology with informed perspective. We'll delve into the benefits and challenges of using AI in writing instruction, examining how it can serve as a powerful brainstorming and research partner and assist students through the drafting and revision process. The course also highlights AI's role as a time-saving tool for teachers in areas like lesson planning and formative assessment, showcasing its capacity to streamline data collection and support differentiated instruction. Crucially, we'll address the ethical dilemmas and responsible AI use in education, discussing risks such as bias and misinformation, and developing strategies to foster academic integrity and digital citizenship among students. By the end of this course, educators will be equipped with the knowledge and skills necessary to prepare students for an AI-enhanced future, empowering them to engage with AI ethically and effectively in all contexts.

This course enhances classroom teaching effectiveness and supports improved student outcomes by introducing new knowledge in generative artificial intelligence applications, benefits, and responsible use in K-12 education.

Course Objectives

At the end of this course you should be able to:

1. Accurately define generative artificial intelligence, distinguish its core functionalities from other technologies, and articulate its unique implications for the educational landscape.
2. Critically analyze and explain the potential benefits and challenges of integrating generative AI across various aspects of teaching and learning, including content creation, instruction, and assessment.
3. Identify how to use generative AI to help students generate ideas, explore topics, and synthesize information responsibly through AI.
4. Guide students in effectively employing generative AI as a collaborative partner for brainstorming, research, drafting, and revision, while fostering their critical thinking and authentic voice.
5. Identify common misconceptions and articulate significant ethical risks (e.g., bias, academic integrity, privacy) associated with AI in education, proposing responsible strategies to mitigate these concerns.
6. Recognize how AI can assist teachers in creating equitable and differentiated assessments.



7. Design and implement AI-supported formative assessment strategies and differentiated instructional approaches that cater to diverse student needs and promote equitable learning opportunities.
8. Integrate discussions and activities into instruction that build students' AI literacy skills, preparing them to ethically and effectively navigate and contribute to an AI-enhanced world.

Modules

- Module 1: Introduction to Generative AI for Educators, Quiz 1
- Module 2: Benefits and Challenges of Using AI in Writing Instruction, Quiz 2
- Module 3: AI as a Brainstorming and Research Partner, Quiz 3
- Module 4: Using AI to Assist in the Drafting and Revision Process, Quiz 4
- Module 5: AI as a Time Saving Tool for Teachers, Quiz 5
- Module 6: AI as a Tool for Formative Assessments, Quiz 6
- Module 7: Ethical Dilemmas and Responsible AI Use in Education, Quiz 7
- Module 8: Preparing Students for an AI-Enhanced Future, Quiz 8

Grading

Each quiz must be passed at an 80% or higher (three attempts allowed).

Format

This is a self-paced, asynchronous (no required live meetings) course. Throughout the PD course, you will find it helpful to take notes along the way to assist with the quizzes. Within each module, you will find reflection assessments that are not graded but will help in your journey through the course. There is an interactive forum in the course to help you connect with peers and instructors, share ideas, and collaborate on best practices throughout your learning journey.