Getting started with AI: Project Based Learning

Course Syllabus

Course Description

This course introduces educators to the integration of Artificial Intelligence (AI) with Project-Based Learning (PBL) methodologies. Participants will learn to leverage AI tools to enhance student engagement, facilitate personalized learning experiences, and improve project outcomes. Combining theoretical knowledge with practical applications, this course equips educators with the skills and mindset to amplify PBL experiences with AI effectively in their classrooms, fostering a dynamic, student-centered learning environment. Participants will learn to apply AI in creating immersive real-world connections, design environments that empower students to become self-directed learners, and implement reflective practices using AI as a thought partner. By developing strategies for showcasing learning and planning for future trends, educators will connect best practices and prepare their learners for success in a rapidly evolving world.

Course Objectives

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

1. Explore the journey of PBL and understand how AI can enhance the voyage.
2. Integrate AI in the development and cultivation of the challenging problem/question.
3. Apply AI to the pursuit of query, integrative thinking, and innovation.
4. Articulate real world connections and immersion, with AI.
5. Design environments and experiences that empower students to become the architects of their own learning.
6. Implement reflective practices, routines for feedback, and iteration opportunities with AI as a thought partner.
7. Develop strategies for showcases of learning, public products, and debrief.
8. Plan for future trends in AI and PBL by connecting the dots of best practices.

Modules

- Module 1: Explore the journey of PBL and understand how AI can enhance the voyage, Quiz 1
- Module 2: Integrate AI in the development and cultivation of the challenging problem/question., Quiz 2
- Module 3: Apply AI to the pursuit of query, integrative thinking, and innovation., Quiz 3
- Module 4: Articulate real world connections and immersion, with AI., Quiz 4
- Module 5: Design environments and experiences that empower students to become the architects of their own learning., Quiz 5
- Module 6: Implement reflective practices, routines for feedback, and iteration opportunities with AI as a thought partner., Quiz 6

- Module 7: Develop strategies for showcases of learning, public products, and debrief., Quiz 7
- Module 8: Plan for future trends in AI and PBL by connecting the dots of best practices., Quiz 8

Grading

Each quiz must be passed at an 80% or higher (retakes 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.