



Leading with AI: Practical Applications for Building Principals

Course Syllabus

Course Description

This course equips current and aspiring school leaders with the knowledge and skills to effectively integrate Artificial Intelligence (AI) into their daily responsibilities. From instructional leadership to ethical decision-making, participants will explore how to harness AI tools to increase efficiency, support staff, and lead innovation—while upholding professional standards and student protections.

Goals of this course are to:

- Equip school leaders with practical strategies to integrate AI tools into instructional, operational, and strategic leadership practices.
- Develop school leaders' capacity to evaluate, adopt, and communicate about AI tools ethically and responsibly, with attention to student data privacy and equity.
- Strengthen principals' ability to use AI to enhance instructional leadership, including planning, coaching, feedback, and evaluation aligned to research-based frameworks.
- Promote data-informed decision-making through the use of AI in analyzing student performance, forecasting trends, and guiding school improvement planning.
- Foster critical understanding of AI algorithms, including potential bias and equity implications, to ensure school leaders are prepared to make informed, just decisions about AI use in schools.

This course enhances classroom teaching effectiveness and supports improved student outcomes by introducing new knowledge in building leadership.

Course Objectives

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

1. Identify and evaluate technology tools that can support effective and efficient school leadership.
2. Evaluate the ethical and legal implications of AI use in schools and articulate safeguards to protect students and staff.
3. Use AI to support coaching, feedback, and instructional planning in alignment with effective leadership practices.
4. Use AI tools to enhance the accuracy and efficiency of classroom observation and evaluation processes.
5. Use AI tools to improve operational efficiency while maintaining clear and ethical communication practices.



6. Use AI tools to analyze and visualize school data to inform strategic planning and stakeholder communication.
7. Lead professional learning and organizational change to support responsible AI integration in your school.
8. Reflect on your leadership identity and chart a path for ongoing growth in an AI-enhanced educational environment.

Modules

- Module 1: Technology-Enhanced Leadership Practices, Quiz 1
- Module 2: Ethical and Responsible Use of AI, Quiz 2
- Module 3: Using AI to Support Instructional Leadership, Quiz 3
- Module 4: AI in Teacher Evaluation and Feedback, Quiz 4
- Module 5: School Operations and Efficiency with AI, Quiz 5
- Module 6: AI for Strategic Planning and Data Analysis, Quiz 6
- Module 7: Leading Change and Building Staff Capacity with AI, Quiz 7
- Module 8: Understanding AI Algorithms and Bias in Education, 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.