

WORKSHOP OVERVIEW:

This 60-minute professional development workshop equips K-12 educators with a foundational understanding of Generative AI and its transformative potential in the classroom. We explore practical use cases to enhance teaching and learning, address common educator concerns, and empower teachers to create their own AI-powered tools.

WHY AI FOR EDUCATORS?

Generative AI offers powerful solutions to key challenges in education:

- **Personalized Learning:** AI tailors learning paths, assessments, and feedback to individual student needs.
- **Content Creation & Curation:** AI generates engaging lesson plans, multimedia content, and diverse learning resources.
- **Assessment & Feedback:** AI provides automated feedback on student work, freeing up teachers' time.
- **Accessibility & Inclusion:** AI tools support diverse learners through translation, text-to-speech, and personalized accommodations.

WORKSHOP OUTLINE:

- 1. Introduction: Generative AI - Beyond the Buzzwords (5 min):**
 - Demystify Generative AI and its creative capabilities.
 - Highlight AI's potential to enhance teaching and learning.
- 2. Generative AI Use Cases for Educators (30 min):**
 - **Supercharge Lesson Planning & Content Creation:** AI-generated lesson outlines, writing prompts, multimedia content.
 - **Enhance Student Engagement & Personalization:** AI-driven personalized learning pathways, interactive quizzes, virtual field trips.
 - **Streamline Communication & Administrative Tasks:** AI assistance for parent communication, report generation, etc..
 - **Empowering Student Creativity & Expression:** AI tools for creative writing, art prompts, and collaborative projects.
- 3. The Magic of AI: Key Concepts (15 min):**
 - Explain Generative Models, Training Data, Prompts, and Parameters.
 - Empower educators to use AI effectively and responsibly.
- 4. Q&A and Next Steps (5 min):**
 - Address common educator concerns and provide resources for further exploration.

UNIQUE FEATURE: BUILD YOUR OWN

- Demonstrate how educators can create customized, subject-specific AI tools.
- Explore the potential for AI-powered teaching assistants tailored to individual needs.

OVERALL BENEFITS

- Empower teachers with cutting-edge skills and tools.
- Enhance student engagement and learning outcomes.
- Streamline administrative tasks and improve efficiency.
- Foster innovation and creativity in the classroom.
- Prepare students for the future of work.