

PennWest Center for Artificial Intelligence and Emerging Technologies



Professional Development Menu - School Districts

Welcome to the PennWest Center for AI and Emerging Technologies

We are delighted to introduce our professional development menu, designed to help participants gain innovative AI and technology skills applicable in educational settings.

Workshops and Sessions (1-Hour or Customized):

Artificial Intelligence 101: Understanding Artificial Intelligence in Education - Join us for an interactive journey to uncover the history, key principles, and real-world applications of AI in education. Designed specifically for K-12 teachers, this session provides a clear understanding of AI's origins and foundational concepts, practical classroom applications, and the importance of preparing students for success in a rapidly evolving digital world.

Advancing Education with AI: Opportunities and Challenges in the Age of Virtuality Culture - In an era defined by virtuality culture, AI is evolving as a powerful force reshaping K-12 education. This interactive session empowers educators to explore AI's potential for enhancing instruction, personalized learning, and fostering creative and critical thinking skills.

AI Literacy for the Digital Age: Preparing Students for Jobs that Don't Exist Yet focuses on AI literacy as a cornerstone of digital citizenship and innovation, focusing on strategies and ideas to equip students for future careers in an AI-driven world. Teachers and leaders will gain practical ideas to foster curiosity and support adaptability and meaningful exploration, as well as prepare students now for jobs and technologies that don't yet exist.

AI Whisperer Workshop: Mastering Prompt Engineering gives educators the skills to harness the power of AI by exploring the art of prompt engineering. Enabling them to create engaging and creative content, streamline workflows, this session provides educators with the ability to practice their skills in using text generators, writing prompts, and considering what this practice looks like in the classroom.

AI Tools and Tips for Teachers explores practical AI tools and tips to enhance teaching efficiency and student engagement in the classroom. This session will allow participants to discover user-friendly AI tools to boost efficiency and creativity, automate tasks, and provide personalized student feedback.

Pen, Paper, and Prompts: Unleashing AI-Powered Writing Coaches for Adolescents explores how teachers can use AI tools to support and enhance student writing. Learn strategies for integrating AI-assisted feedback, prompts, and revision tools to build confidence, creativity, and critical thinking in young writers. Discover practical ways to balance traditional writing instruction with innovative AI supports that engage and empower adolescent learners.

Creative Approaches to AI-Enhanced Reading Interventions and Strategies for Students explores how AI can personalize instruction, monitor progress, and enhance literacy outcomes. This session explores ideas for integrating AI to engage and empower diverse learners through AI tools like text-to-speech and AI writing assistants to support diverse readers. Learn practical strategies to boost literacy outcomes.

Rethinking Lessons and Assessments with AI explores how to harness AI tools to design lessons, rubrics, and other assessments that enhance teaching tasks and student learning outcomes.

Mind and Machine 1: Exploring Ethics in the Age of AI for Educators explores the intersection of ethics and AI, empowering educators to navigate the challenges and responsibilities of teaching with intelligent technologies.

Mind and Machine 2: Supporting Students with Ethical Decision-Making Making and AI explores how to guide students in making ethical decisions as they interact with AI technologies. Learn strategies to teach responsible AI use and critical thinking in and out of the classroom while equipping students to navigate the opportunities and challenges of AI with empathy, integrity, and awareness.

Introducing Chatbots and Agents: Personalizing Learning Tools for Learning and Engagement explores how AI chatbots and virtual agents can personalize teaching and learning practices, enhance engagement, and support inquiry.

Learn ways to integrate these tools into classrooms to foster creativity, collaboration, and critical thinking.

Creative AI: Exploring Image and Video Generation for Teaching and Multimodal Learning explores how AI-powered image and video tools can enhance lessons, spark creativity, and support diverse learners. Learn practical strategies to integrate multimodal AI content into teaching for deeper engagement and understanding.

AI Tools and Tips for Administrators: What Do We Need to Know? (Discover AI tools and strategies for administrative tasks, enhance decision-making, explore policies, support teachers using AI and other leadership goals.)

AI & Digital Citizenship 101 focuses on empowering students to navigate the digital world with AI responsibly, ethically, and safely with essential digital citizenship skills in today's AI-driven world.

Teaching in the Age of AI: Bias, Privacy, and Protection explores strategies to help teachers understand AI bias, data privacy, and digital protection. The session will explore ways to teach ethical, safe, and critical use of AI with students in and out of the classroom.

What Would The Patriots Say? AI, The New American Revolution in Education explores the integration of AI tools in reimagining historical narratives to enhance classroom creativity, storytelling, and critical thinking. It offers strategies for educators to evaluate AI-generated content for accuracy and incorporate AI into teaching, bringing history and storytelling to life in innovative ways.

AI, Special Education, and Diversity: Empowering Inclusive Learning with Emerging Technologies - Learn how AI can help support diverse learners in K-12 classrooms by improving accessibility, differentiation, and equity. This session offers practical tools, examples, and strategies for using AI to create more inclusive, personalized learning experiences.

Libraries in The Age of AI: Adapting, Innovating, and Thriving in an Era of Change explores how library staff and teachers can harness artificial intelligence to transform research while navigating ethical and practical challenges. This session equips librarians and teachers with strategies to lead innovation and stay essential in a rapidly evolving digital landscape.

Best Practices in Designing Slide Presentations Based on How People Learn explores research-based strategies for creating effective, engaging slide presentations that align with how students learn and process information. Discover practical tips to enhance clarity, retention, and visual communication in your classroom materials.

Best Practices in Online Instruction - Discover innovative strategies and best practices to enhance online instruction and create engaging, effective virtual learning experiences. This session explores strategies and best practices to foster interaction, collaboration, and meaningful student engagement in developing online content for face-to-face and online environments.

****Consultations and customized professional development can be arranged as well.**

Key Benefits for Participants:

- Access to research-based professional development sessions
- Guidance from education and industry-leading experts.
- Flexible learning options: online and in-person.

Instructor Qualifications:

Our instructors are experts with experience in AI and different emerging technologies. They bring a wealth of knowledge and practical insights to each session, ensuring a rich learning experience.

- **Dr. Camille Dempsey** is the Director for the PennWest Center of AI and Emerging Technologies and a PennWest University Professor and Coordinator for the M.Ed. specialty degree in educational technology and online teaching. She earned a doctorate in educational technology with a focus in leadership from Duquesne University, as well as attending Columbia University Teachers College and the University of Pennsylvania. Dr. Dempsey has served as an International Society for Technology in Education AI Research Fellow, an EDSafe AI Alliance AI Ethics Fellow, and a Google Women Techmakers Ambassador. Camille founded the Theory of Virtuality Culture, explaining the shift in society restructuring human consciousness through modern technologies. She is also a former administrator and K-12 teacher.
- Others coming soon!

For More Information:



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Website: <https://www.pennwest.edu/institutes/ai.php>