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# AI Tools for College Professors

In-Person Professional Development Workshop

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Hands-On Training for AI Integration in Higher Education

# Today's Agenda



## Why AI in Education?

The landscape and opportunities



## 15 Essential AI Tools

Overview and demonstrations



## Hands-On Practice

Try the tools yourself



## Share & Discuss

Show what you created



## Best Practices

Ethics, privacy, and tips



## Resources & Q&A

Guides, videos, next steps

# Why AI in Higher Education?

## Save Time

Educators report saving 7-10 hours per week on planning, grading, and content creation

## Personalize

Differentiate content instantly for diverse learners, reading levels, and languages

## Innovate

Create interactive experiences and new types of learning activities

### THE REALITY

- Students are already using AI tools
- AI literacy is becoming essential
- These tools enhance—not replace—teaching
- Early adopters shape best practices

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*"The goal is not to use AI for everything, but to use it strategically where it adds value."*

# 15 AI Tools We'll Explore Today

## Adobe Express

Design & Graphics

## NotebookLM

Research & Audio

## Google Gemini

Workspace Integration

## MS Copilot

Microsoft 365

## Perplexity

Research + Citations

## SchoolAI

Custom AI Tutors

## Claude AI

Analysis & Writing

## ChatGPT

Versatile Assistant

## MagicSchool

80+ Edu Tools

## Diffit

Text Differentiation

## Curipod

Interactive Lessons

## Padlet

Collab Boards

## Nearpod

AI Question Gen

## Quizlet

Magic Notes

## Quizizz

AI Quiz Actions

# Content Creation & Design

## Adobe Express

AI-powered design for syllabi, infographics, videos, and presentations

## Curipod

Interactive lesson slides with polls, drawings, and real-time engagement

### Best Use Cases:

- Course syllabus infographics
- Visual study guides
- Interactive review sessions
- Student presentations
- Flipped classroom content



**Pro Tip:** Start with templates, then customize with AI

# Research & Analysis

## NotebookLM

Upload docs, get AI analysis, create audio podcasts from your sources

## Perplexity AI

Real-time research with citations, Academic mode for scholarly sources

## Claude AI

Deep analysis, case studies, nuanced writing and document review

## ChatGPT

Versatile assistant for brainstorming, drafting, and problem-solving

### Best Use Cases:

- Literature reviews
- Case study analysis
- Content summarization
- Student study guides
- Grant writing support

 **Try This:** NotebookLM's Audio Overview turns any docs into a podcast!

# Lesson Planning & Differentiation

## MagicSchool AI

80+ education-specific tools: lesson plans, rubrics, assessments, IEPs

## Diffit

Instantly adapt any text to multiple reading levels with vocab & questions

## SchoolAI

Create custom AI tutors (Spaces) that students interact with directly

## Google Gemini + MS Copilot

Integrated into Workspace/365 for seamless lesson & rubric creation

### Best Use Cases:

- Standards-aligned lessons
- Differentiated materials
- Assessment creation
- ELL/accessibility support
- Student AI tutoring

⚡ **Time Saver:** MagicSchool can create a full lesson plan in under 60 seconds!

# Interactive Assessment Tools

## Padlet (Magic Padlet)

AI creates collaborative boards, timelines, and maps instantly from a prompt

## Nearpod (AI Create)

Generate quiz questions automatically from any lesson content or text

## Quizlet (Magic Notes)

Transform notes into flashcards, outlines, and practice tests instantly

## Quizizz (AI Actions)

Differentiate existing quizzes - simplify language, add scenarios, adjust difficulty

### Best Use Cases:

- Formative assessment
- Collaborative brainstorming
- Student study tools
- Quiz differentiation
- Real-time engagement



**Student Favorite: Quizlet Magic Notes lets students create their own study tools!**



LET'S TRY IT!

# Hands-On Practice Time

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Open your Participant Guide to the tool activity

1. Pick a tool

2. Follow the steps

3. Create something!

Work at your table • Raise your hand if you need help!

# Best Practices for AI in Your Teaching

## ✓ Start Small

Pick ONE tool that addresses your biggest pain point. Master it before adding more.

## ✓ Always Review

AI makes mistakes. Always verify facts and edit outputs before sharing with students.

## ✓ Be Transparent

Tell students how you're using AI. Model responsible use and critical evaluation.

## ⚠️ Protect Privacy

Never enter student names, IDs, or other identifiable information into AI tools.

## ⚠️ Know Your Policies

Check your institution's AI use policies. Develop clear guidelines for your courses.

## 💡 Iterate & Improve

The best prompts come from practice. Save what works and refine over time.

# Your Resources



## Participant Guide

Step-by-step instructions, templates, and video links for all 11 tools



## Facilitator Guide

Training videos, session plans, troubleshooting tips for running your own workshops



## Video Tutorials

Curated how-to videos for each platform linked in your guides

## Quick Links to All 15 Tools:

[adobe.com/education/express](https://adobe.com/education/express)

[gemini.google.com](https://gemini.google.com)

[perplexity.ai](https://perplexity.ai)

[claude.ai](https://claude.ai)

[magicschool.ai](https://magicschool.ai)

[curipod.com](https://curipod.com)

[nearpod.com](https://nearpod.com)

[quizizz.com](https://quizizz.com)

[notebooklm.google](https://notebooklm.google)

[copilot.microsoft.com](https://copilot.microsoft.com)

[schoolai.com](https://schoolai.com)

[chatgpt.com](https://chatgpt.com)

[web.diffit.me](https://web.diffit.me)

[padlet.com](https://padlet.com)

[quizlet.com](https://quizlet.com)

**All materials will be emailed to you after the session!**

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# Thank You!

## Questions & Discussion

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Raise Your Hand  
to ask a question

Share Your Work  
what did you create?

Email Follow-Up  
for later questions