When Worlds Collide:
The Intersection Between Thoughtful Pedagogy and AI in the Classroom
Today’s Presenters

Ellen Nickerson
AVID Center
Head of Teaching & Learning

Kelsey Behringer
Packback
CEO
Agenda

- AI in education
- Instructional AI
- Amplifying WICOR
- Outcomes
- Questions?
Quick Poll:

How familiar and comfortable are you with Generative AI, like ChatGPT?

Not at all familiar  Somewhat familiar  Familiar  Very familiar  Don’t know/prefer not to say
When I hear “Artificial Intelligence,” I think about...
End of the world
End of times
Human replacement
Outerspace
Predator
Robots controlling something
Chat GPT
Spying
Politics
Skynet
creativity gone
Will Smith
Politics
BrainControl
World domination by non-humans!!
Control of brain
Easy way for students to cheat
Students cheating on their coursework
Big brother
Gattica
ChatBox and ChatGPT

Computers
Technology
Robot
Terminator
Robots
Not real
Future
Aliens
FBI
Help
Siri
The movie with Will Smith
Future
Aliens
Government
Convenience
ChatBox and ChatGPT
Generative AI in Education
Artificial Intelligence

Machine Learning

Deep Learning

Generative AI
- Pack and prepare for your departure

Keep in mind that this itinerary is just a suggestion, you could adjust it to fit your own needs and preferences. Also, it's important to check the opening times of the sites and plan accordingly.

What's a good YouTube video title about a video explaining how I use ChatGPT both personally and professionally

"Unlocking the Power of ChatGPT: How I Use it for Personal and Professional Gain"

Write a YouTube video script explaining what ChatGPT is

Hello and welcome to my channel! Today I want to talk to you about ChatGPT, a powerful language model developed by OpenAI.
<table>
<thead>
<tr>
<th>Company</th>
<th>Time to 1 Million Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>Netflix</td>
<td>3.5 years</td>
</tr>
<tr>
<td>Airbnb</td>
<td>2.5 years</td>
</tr>
<tr>
<td>Facebook</td>
<td>10 months</td>
</tr>
<tr>
<td>Spotify</td>
<td>5 months</td>
</tr>
<tr>
<td>Instagram</td>
<td>2.5 months</td>
</tr>
<tr>
<td>iPhone</td>
<td>74 days</td>
</tr>
<tr>
<td>ChatGPT</td>
<td>5 days</td>
</tr>
</tbody>
</table>
27% of students worried about the impact of AI on their education.

31% of students worried about AI’s impact on their career or potential career.

48% of students worried about the impact of AI on society in general.

5% of educators say that they have used ChatGPT to teach class, and 7% of educators have used the platform to create writing prompts.

Source: BestColleges Survey (via Forbes)
Instructional AI
Instructional AI vs. Generative AI

Purpose: Provide instant, consistent instruction on how to improve, reducing the need or want to cheat.

TEACHING TO FISH vs. GIVING A FISH
Writing
Inquiry
Collaboration
Organization
Reading
WICOR

Writing can serve as a record of one’s thinking or as a learning, public, and personal communication tool.

Writing is:
- A tool for communication, reflection, and learning
- Inquiry
- Visible organization of thought
- Communication with authentic audiences

Students who write:
- Engage frequently, in every content area and classroom
- Cite evidence to support their thinking
- Deepen their understanding of content
- Demonstrate command of academic vocabulary
- Communicate as a content expert
- Communicate their thinking competently and confidently
Helping students become better writers and communicators.

Students get access to a “Digital Writing Tutor” that provides feedback tailored to the instructor’s specific rubric.
Inquiry is uncovering one’s understanding, asking critical questions, and engaging in thinking, learning, and discussion.

**Inquiry is:**
- Uncovering one's understanding
- Critical thinking and questioning
- Exploring a variety of ways to solve problems
- Engaging in thinking, learning, and discussion to inspire innovation

**Students who inquire:**
- Analyze and synthesize materials or ideas
- Clarify their own thinking
- Probe others’ thinking
- Work through ambiguity
- Solve authentic problems
**WICOR**

**Collaboration** involves teamwork with shared responsibility, positive interdependence, and sharing of ideas, information, and opinions.

**Collaboration is:**
- Positive group interactions
- Teamwork with shared responsibility
- Sharing of ideas, information, and opinions

**Students who collaborate:**
- Create a safe and supportive physical and philosophical environment
- Work through identified structures and roles to achieve a common goal
- Develop positive interdependence
- Clearly communicate verbally and nonverbally
- Listen effectively to decipher meaning
- Deepen the learning of others through inquiry and active engagement
Edit Question

What is your question? *

What is Packback’s Instant Feedback feature?

44 / 255 ✔ Great! Now, add a description to make your question interesting.

Add a Description

Packback’s Instant Feedback feature provides real-time feedback through tips that pop up as a user types, responding to the content question or answer as it’s being written.

These tips will help you to be sure to:

- Phrase your question properly and include a question mark
- Add a description to your question
- Keep your question title concise for easy reading and clarity

Instant Feedback

Curiosity Score

Predicted Score Range: 31-70 Curiosity Score

⚠ This post may be flagged

Feedback Breakdown

- Curiosity
  - Your question appears closed-ended.
    - Try rewriting it to allow for discussion and debate, instead of a direct answer.
  - Add a more detailed description.
    - Add a more detailed description to spark more engaging discussion.

- Credibility
  - Great job citing a source!
    - Citations help readers gain context and assess a post's credibility.

- Communication
WICOR

Organization involves managing materials, time, and thinking through systems and routines.

Organization is:
• Managing materials, time, and self
• Practicing methodical study habits
• Planning and prioritizing school, work, and social tasks
• Engaging in goal-setting, planning, and reflection
• Strategically and intentionally taking responsibility for one’s own learning

Students who organize:
• Self-direct, self-evaluate, self-monitor, and self-advocate to reach academic goals
• Develop and use tools to organize thinking, resources, and time
• Develop and use processes, procedures, and tools to study effectively
• Prepare for rigorous courses and engage fully in instruction
Helping students become more effective researchers.

Students get access to the “Digital Research Assistant”—an AI assistant that provides feedback on the credibility of sources.
Through **Reading**, students strategically gain meaning, understanding, and knowledge from print and other media.

**Reading is:**

- Making connections between texts, self, and the world
- Navigating and comprehending rigorous texts
- Evaluating information from a variety of formats
- Organizing and applying text-based learning

**Students who read:**

- Activate, engage, and extend beyond the text
- Make predictions and create visual images as they read
- Understand text structures
- Question the text and engage in deep inquiry
- Become content experts
- Evaluate sources for accuracy and bias
Enabling teachers to focus on their feedback on the content!

Packback’s “AI Grading Assistant” allows teachers to customize rubrics and suggests scores for non-content & ideas rubric category.

Teachers focus their time on content & ideas, not mechanics.
WICOR

Writing
- Focused Note-Taking
- Learning Logs
- Quickwrites and Reflections
- Process Writing
- Peer Evaluation
- Authentic Writing

Inquiry
- Costa's Levels of Thinking
- Socratic Seminars
- Tutorials
- Collaborative Study Groups
- Guiding Questions

Collaboration
- Socratic Seminars
- Philosophical Chairs
- Tutorials
- Group Activities and Projects
- Building Relational Capacity

Organization
- Binders and eBinders
- Calendars, Planners, and Agendas
- Focused Note-Taking
- Tutorials
- SMART Goals

Reading
- Critical Reading Process
- Focused Note-Taking
- Graphic Organizers
- Vocabulary Building
- Academic Language and Literacy Scaffolds
Quick Poll

After thinking about the WICOR framework, in which area are you excited to use instructional AI to amplify instruction and learning in the classroom?

- Giving students real-time feedback as they write
- Helping students proactively identify non-academic behaviors and implement feedback before submission
- Give students research feedback and teach them how to assess source quality
- Support grading by providing recommended scores
Outcomes of Instructional AI

- **32% More A’s and 32% Fewer F’s**
  When compared to students using traditional discussion boards, students using Instructional AI were shown to receive significantly better grades.

- **30% Less Time Spent Grading**
  Instructors using Instructional AI in their classrooms spend up to 30% less time grading assignments and note that they're able to grade more thoroughly.

- **89% of Instructors Saw Improvement**
  According to a research study, 89% of instructors agree that they saw improvement in the quality of their students’ writing after using Instructional AI.

- **88% of Students Found Instructional AI Helpful**
  According to that same research study, 88% of students reported that the Instructional AI writing assistant helped improve their writing.
Generative AI Use Cases in Education
Quick Poll

Have you used Generative AI for *Personal Purposes*? *Professional Purposes*?
How Educators Can Use Generative AI

- Brainstorming learning activities
- Assessment design
- Differentiation techniques
- Troubleshooting challenges
Prompt Example

Act as a curriculum designer with a focus on special education and instructional strategies.

Your job is to help instructors develop strategies to differentiate lessons and accommodate diverse learning styles and abilities and provide recommendations on how the assignment or lesson can be improved. Evaluate my lesson below based on best practices for accommodating all learning styles. Please keep in mind the four learning style modalities.

Grade Level: [INSERT GRADE LEVEL]
Course: [INSERT COURSE]
Learning Objectives: [INSERT OBJECTIVES]
[PROVIDE ANY OTHER CONTEXT OR GUIDANCE]
Quick Poll:

• Now that you’ve seen some use cases, how likely are you to incorporate **Instructional AI** into your workflow to support your professional goals in the future?

• How likely are you to begin experimenting with **Generative AI** to assist you in the classroom (lesson planning, assessment creation, etc.)?

  - Highly Likely
  - Likely
  - Unsure
  - Unlikely
  - Highly Unlikely
Student Voice
Quick Write  (Optional: Share in Chat!)

Record one takeaway from today's webinar.
What You’ll Find:

Sign up for a 1-hour training session
packback.co/avid-packback

Get info on special pricing for additional classes
l.ead.me/ai-pricing

Review Instructional AI Frequently Asked Questions
l.ead.me/ai-questions
What’s Next?

Please join us in December for the next webinar in our Instructional AI series.

More info coming soon!
Thank You!