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# Reclaiming Creativity

Building AI-Powered Lesson Planning Workflows

**SHAWNA JENSEN**

You will need computers today!

Slides & Links: <https://tinyurl.com/aiempoweredlp>

# Meet your facilitator: A very serious educator



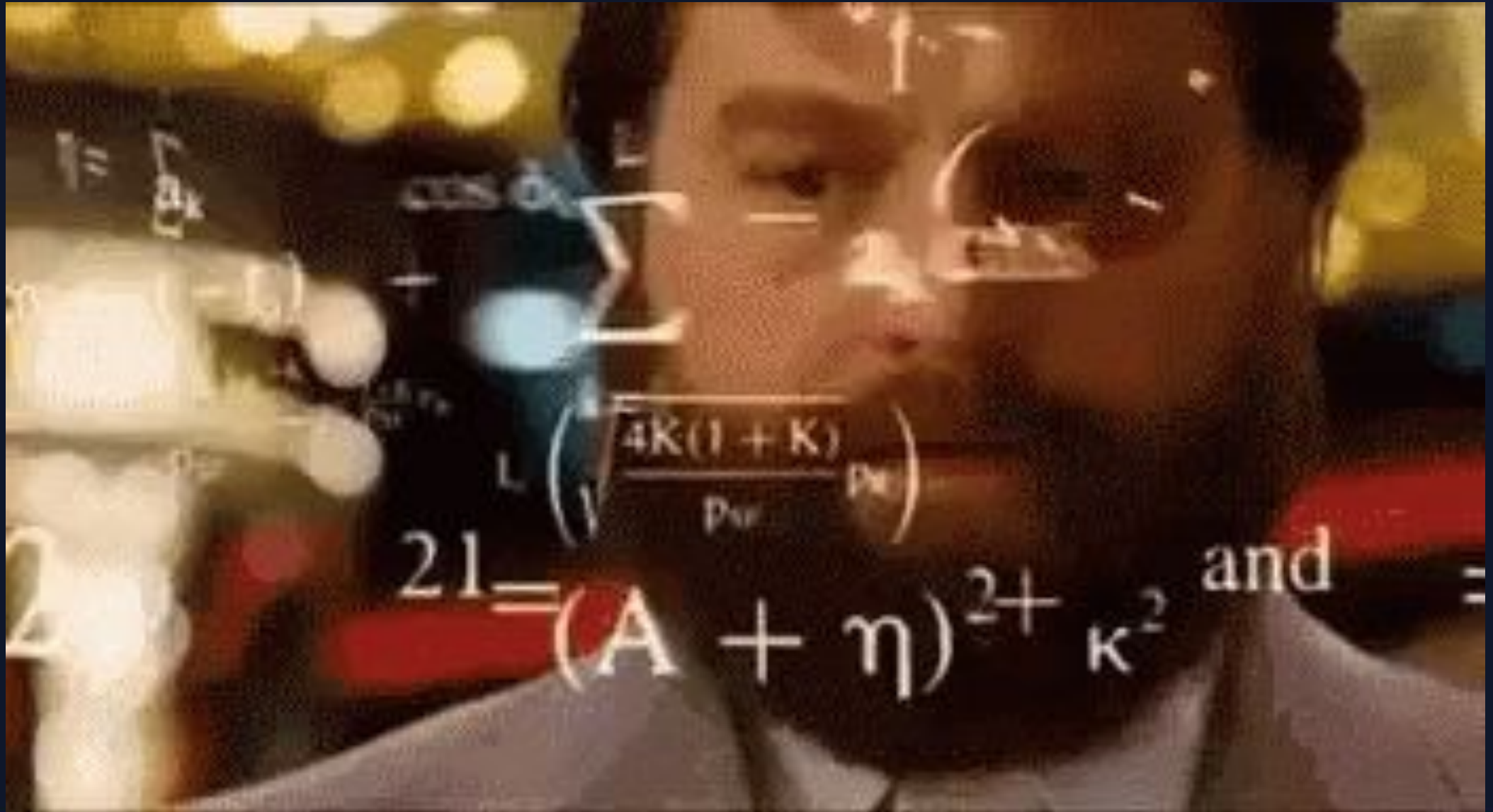
## Shawna Jensen, Ed.D.

EDUCATOR, RESEARCHER, INSTRUCTIONAL DESIGNER, NERD

Over 15 years in secondary education, 5 years in curriculum development and implementation, and a deep passion to just watch the world learn.

- 🎓 Doctor of Education in Instructional Design & Technology
- 🏠 High School ELA Teacher, North Clackamas Schools
- ❤️ Mission: Reclaiming the heart of teaching

# Coming back to the classroom with AI



# SESSION ROADMAP

## ☰ AGENDA

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- 🕒 **10 Minutes** Opening: The Trust Gap & Archetypes
- 🕒 **10 Minutes** Framework: The PCTCE Foundation & Demo
- 🕒 **30 Minutes** The Sandbox: Design & Refactor
- 🕒 **10 Minutes** Closure: Integrity Audit & Next Steps

## 🎯 OBJECTIVES

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- ➔ Build high-rigor lesson assets using the PCTCE prompt architecture.
- ➔ Refactor instructional content for learner variability via the Lens Swapper.
- ➔ Audit AI outputs for accuracy, bias, and rigor to ensure pedagogical integrity.

# Session Resources

- [Packet](#)
- [App Link](#)
- [Lesson Examples](#)
- [Feedback Link](#)

FRAMEWORK GUIDE

### Reclaiming Creativity: Building AI-Powered Lesson Planning Workflows

Session Agenda & Roadmap

Time	What	The Why	The How
10 min.	Context & Archetypes: <ul style="list-style-type: none"><li>• Research: The Trust Gap</li><li>• Movement: Four Corners</li></ul>	To identify our unique curricular starting points so we can design with context.	Process: Group Movement, Partner Share  Materials: Session Handouts
10 min.	The PCTCE Foundation: <ul style="list-style-type: none"><li>• Prompts as Design</li><li>• Master Demo</li></ul>	To move from generic commands to professional architectural design.	Process: Live Modeling, App Tour  Materials: <a href="#">App Link</a>
25 min.	The Sandbox Sprint: <ul style="list-style-type: none"><li>• Round 1: Architecting</li><li>• Round 2: Lens Swapping</li></ul>	To provide a sandbox for active refactoring of AI content for diverse learner needs.	Process: Individual Design, Consultancy  Materials: Session Handouts
10 min.	The Integrity Audit: <ul style="list-style-type: none"><li>• Peer Review Protocol</li><li>• Auditor Validation</li></ul>	To ensure high rigor and accuracy, keeping the human teacher in the loop.	Process: Audit Jigsaw, Feedback Swap
5 min.	Closing Reflection	To commit to one actionable Monday morning workflow.	Process: Self-Assessment  Materials: Feedback Form

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scripted/dry materials. Focus: Engagement and

ffolder  
heavy content. Focus: Access and variability.

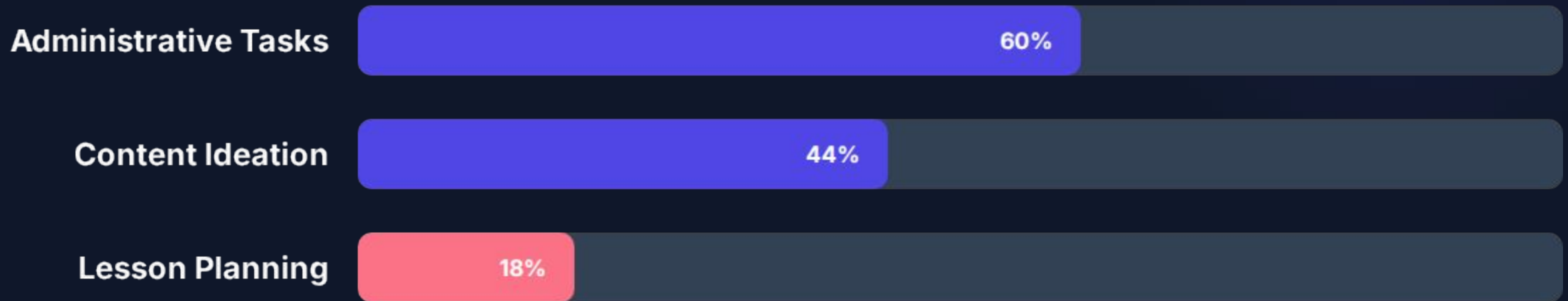
Task

# The Research Base

Understanding the **"Trust Gap"** in Educator AI Adoption

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# The Current Usage Landscape



Research shows a profound gap between administrative utility and instructional trust.

# Four Planning Archetypes



## Architect

Building from scratch using core standards and instructional models.



## Renovator

Updating scripted or outdated materials for relevance and engagement.



## Weaver

Synthesizing multiple curricula and resources into a cohesive flow.



## Scaffolder

Adapting heavy content for learner variability and ML/IEP accessibility.

# Planning Archetypes: Four Corners Activity

**ACTIVITY:** Move to the corner that represents what you (or your teachers) do most.

**PROMPT:** Share your role/district. Then tell a neighbor: What part of planning feels like "logistical heavy lifting"?



## Architect

Building from scratch using core standards and instructional models.



## Renovator

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## Weaver

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## Scaffolder

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# The PCTCE Framework

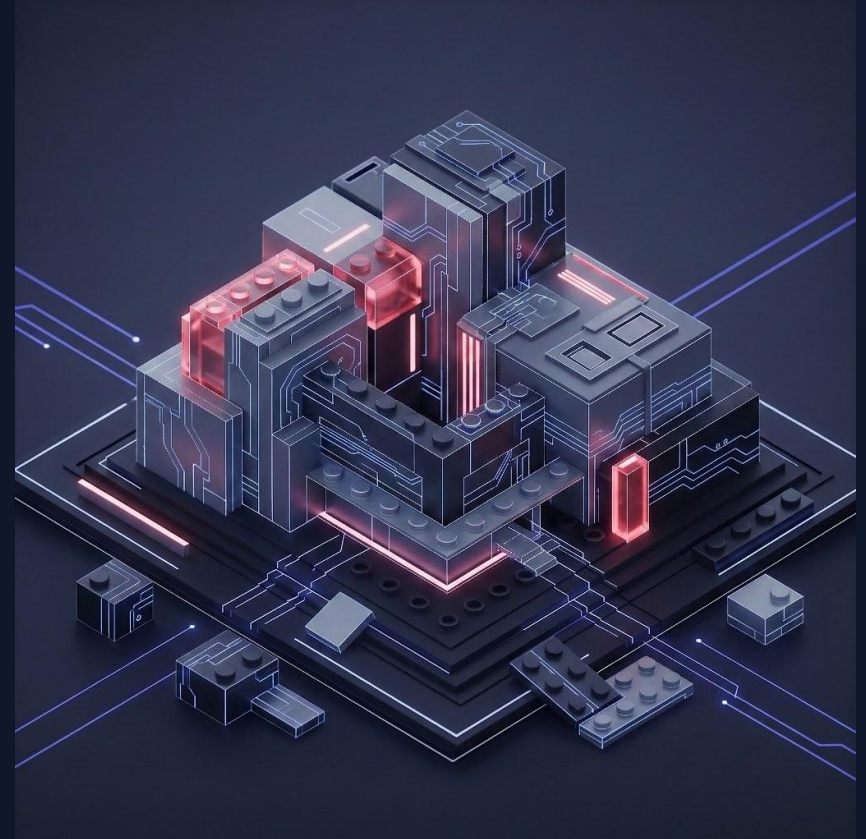
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## Architectural Prompting

Moving from "commands" to "design." We define the **Persona** and **Context** before assigning the **Task**.

## Rigorous Constraints

High-quality outcomes require **Constraints** and **Exemplars** to maintain instructional integrity.



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# The AI Planning Lab

A work in progress...



# The Prompt Architect

## Automated Formatting

Offloads the formatting of high-performance prompts.

## Embedded Models

Bakes in instructional models like 5E, GRR, and PBL.

## Alignment

Prompts for inputs to ensure alignment to educator goals and outcomes.

The screenshot shows the 'Prompt Architect' tool interface. At the top, it is labeled 'TOOL 01' and 'Prompt Architect' with the subtitle 'Synthesize your ideas into high-rigor PCTCE prompts.' The interface is divided into several sections: 1. 'Educator Archetype' with a dropdown menu set to 'The Renovator (Update for Equity/Relevance)'. 2. 'Topic or Learning Target' with a text input field containing 'e.g., Photosynthesis for 7th grade'. 3. 'Target Standards (Optional)' with a text input field containing 'e.g., NGSS MS-LS1-6'. 4. 'Instructional Model' with a dropdown menu set to 'General / No Specific Model'. 5. 'Existing Resource Snippets / Rough Ideas' with a text area and an 'Upload' button. 6. 'UNIVERSAL DESIGN FOR LEARNING (UDL)' section with three radio button options: 'Multiple Means of Engagement' (selected), 'Multiple Means of Representation', and 'Multiple Means of Action & Expression'. 7. 'THE PCTCE BUILDER' section with four text input fields: 'CONTEXT' (Who are the learners? What's the setting?), 'TASK' (What exactly should the AI produce?), 'CONSTRAINTS' (Rigor, time, accessibility, tone...), and 'EXEMPLAR' (What does excellent output look like?). At the bottom, there is a blue button labeled 'Architect Master Prompt'.

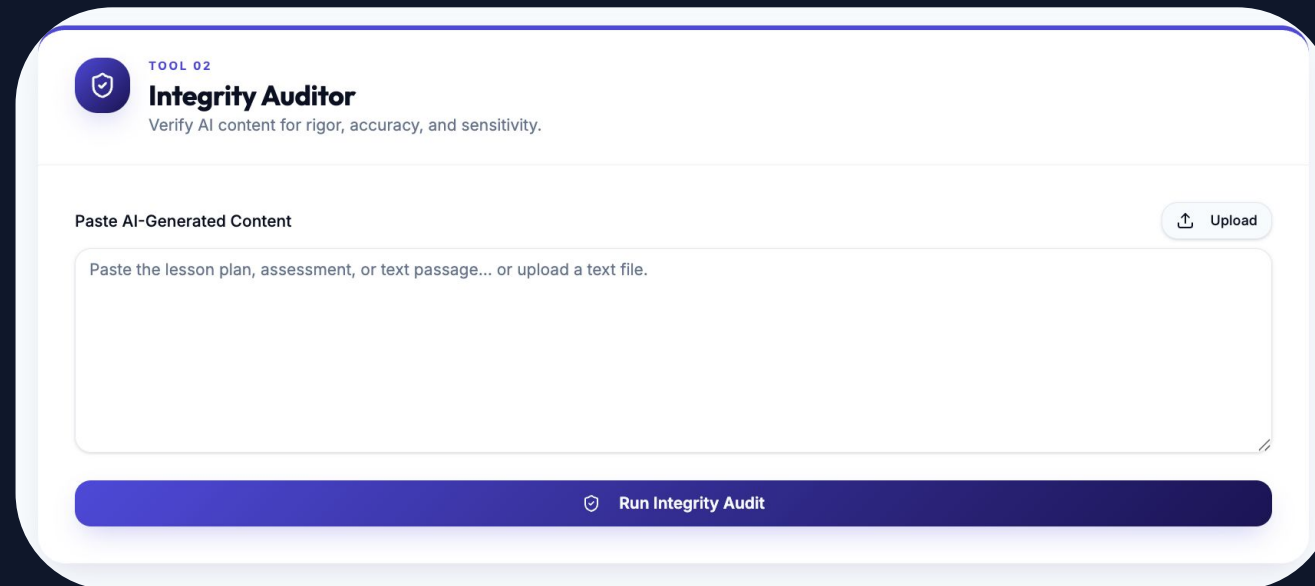
# Integrity Auditor

## Instructional Variability

Refactor instruction for Multilingual Learners (ML), Gifted/Advanced students, or Culturally Responsive (CRE) contexts.

## Accessibility & Rigor

The Swapper maintains high rigor while focusing on increasing accessibility.



The screenshot shows the user interface of the Integrity Auditor tool. At the top left, there is a shield icon and the text "TOOL 02 Integrity Auditor". Below this, a subtitle reads "Verify AI content for rigor, accuracy, and sensitivity." The main area is a large text input field with the placeholder text "Paste the lesson plan, assessment, or text passage... or upload a text file." To the right of the input field is an "Upload" button with an upward arrow icon. At the bottom of the interface is a prominent blue button labeled "Run Integrity Audit" with a checkmark icon.

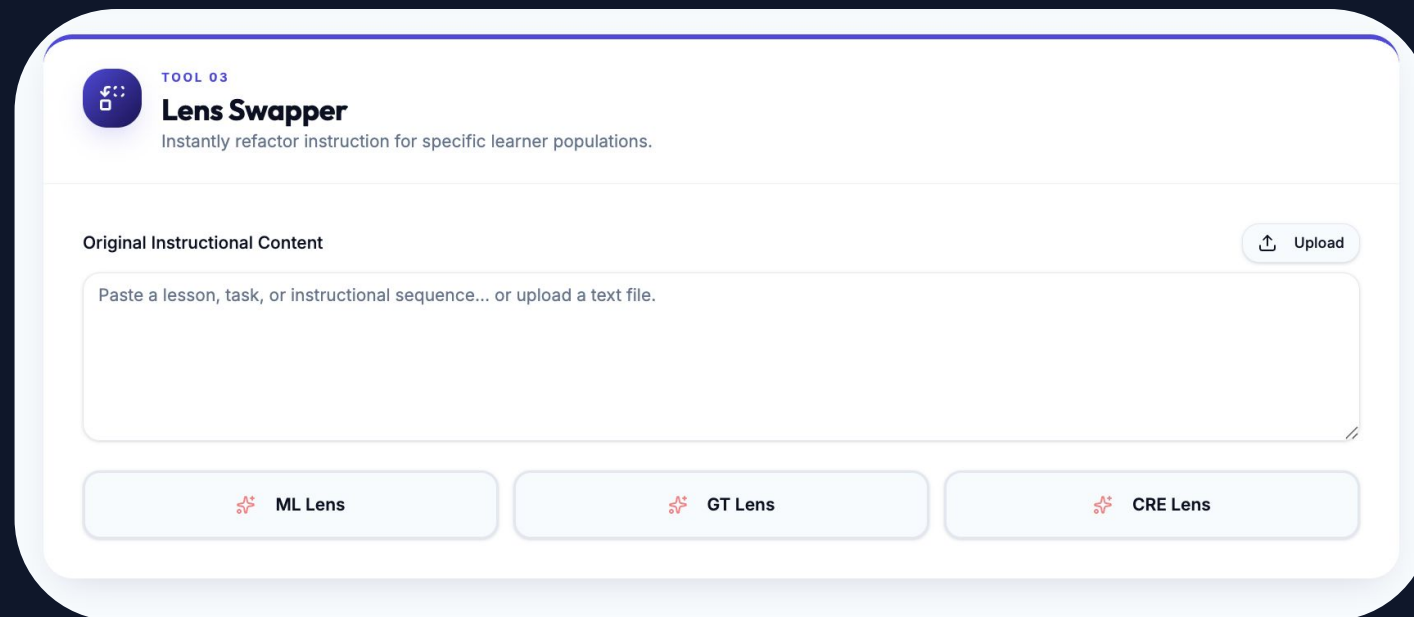
# The Lens Swapper

## Instructional Variability

Refactor instruction for Multilingual Learners (ML), Gifted/Advanced students, or Culturally Responsive (CRE) contexts.

## Accessibility & Rigor

The Swapper maintains high rigor while focusing on increasing accessibility.



The screenshot shows the user interface of the 'Lens Swapper' tool. At the top left, there is a blue circular icon with a white square and a plus sign, followed by the text 'TOOL 03' and 'Lens Swapper'. Below this is the subtitle 'Instantly refactor instruction for specific learner populations.' The main area is titled 'Original Instructional Content' and features a large text input field with the placeholder text 'Paste a lesson, task, or instructional sequence... or upload a text file.' To the right of the input field is an 'Upload' button with an upward arrow icon. At the bottom of the interface, there are three buttons: 'ML Lens', 'GT Lens', and 'CRE Lens', each with a red star icon to its left.

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# Demo

Let's play together!



**"Take chances, make mistakes, get messy!"**

**-> Ms. Frizzle**

# Hands-On Exploration

## 1. Tool Practice

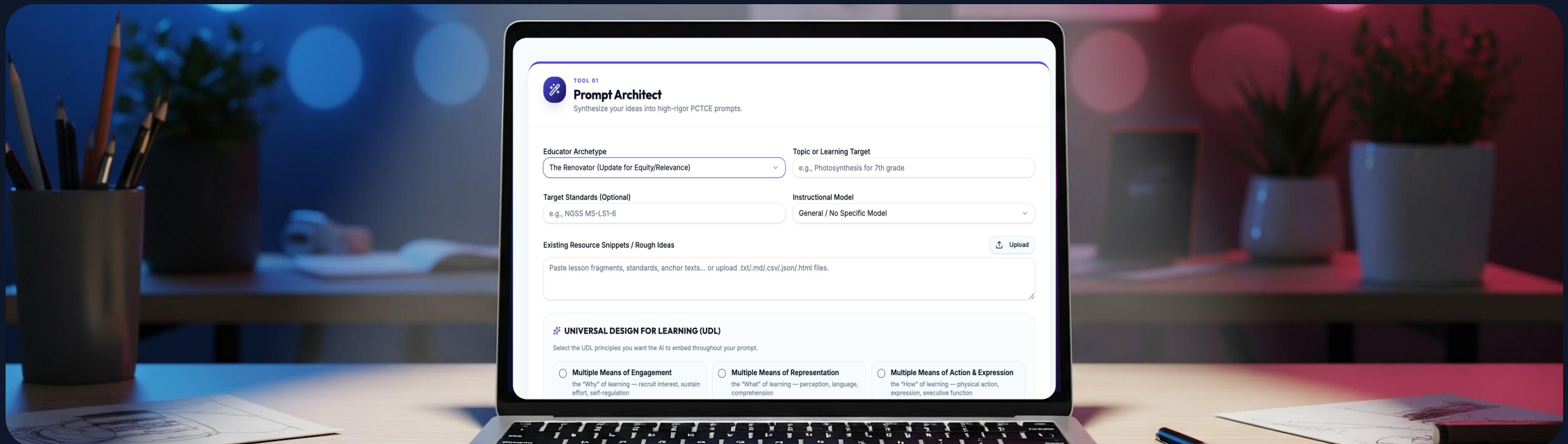
Spend time interacting with the tool. Input various lesson plans or content pieces to see the transformation in real-time.

## 2. Observation

Take notes on what you notice. How does the "Lens Swapper" or "Integrity Auditor" refine the original text?

## 3. Compare Output

Compare these results to your standard LLM output. Identify improvements in rigor, accessibility, and cultural relevance.



# The Integrity Auditor

80%

AI Baseline

## The 20% Opportunity

AI gets us to the 80% mark. The Integrity Auditor identifies gaps in **Rigor, Accuracy, Bias, and Access**.

This allows you to focus your creative energy on the final **20%** that only a human teacher can provide.

# Feedback

Thank you!!!

**Ideas to make this tool even better?  
Share them!**



## Feedback Form: Reclaiming Creativity

Session: Building AI-Powered Lesson Planning Workflows.  
Facilitator: Shawna Jensen, Ed.D.  
Your insights will help refine future professional learning.

\* Indicates required question

Email \*

Your email

First Name \*

Your answer

Last Name \*

Your answer