

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



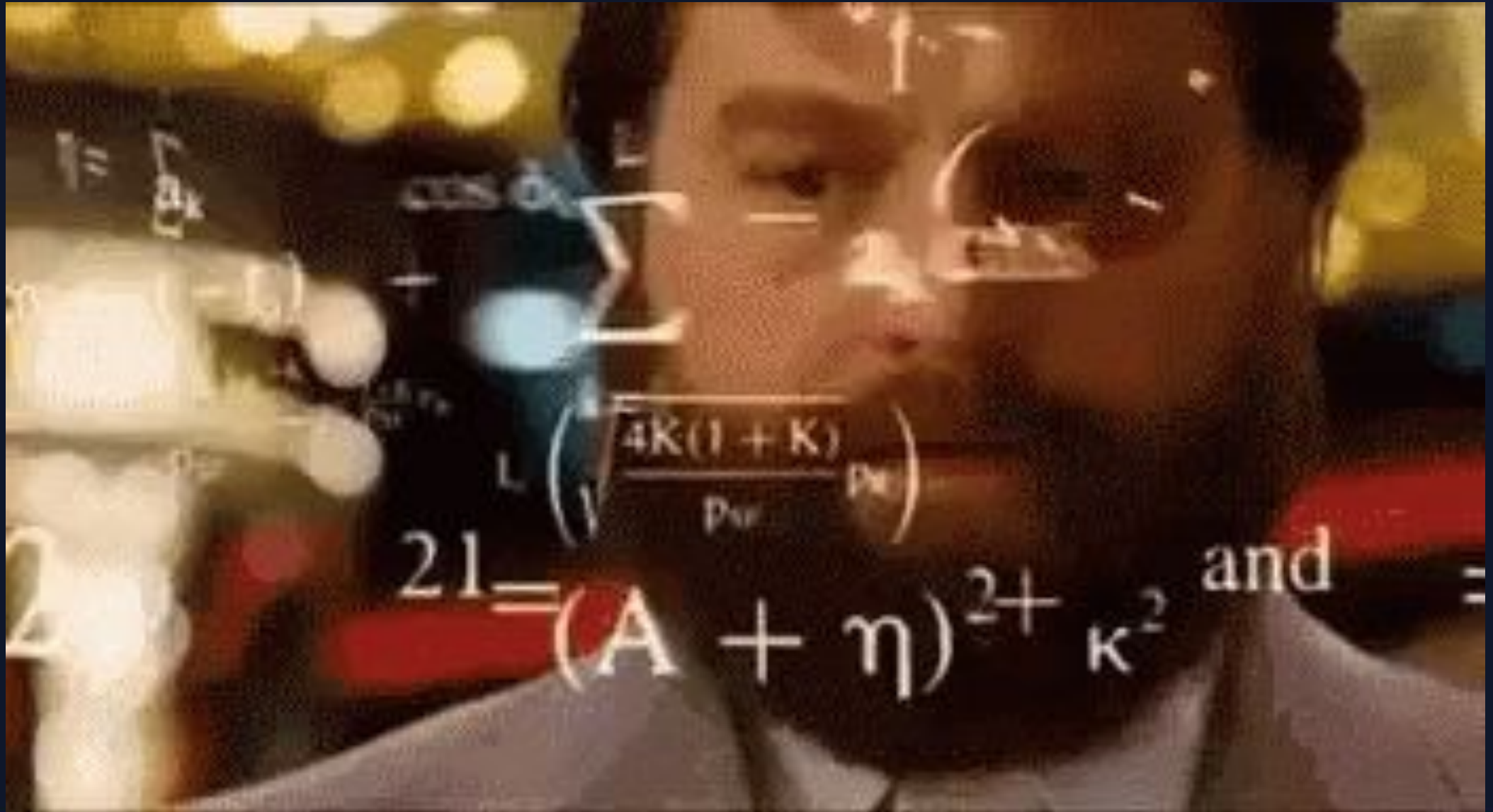
Shawna Jensen, Ed.D.

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

- 🕒 **10 Minutes** Opening: The Trust Gap & Archetypes
- 🕒 **10 Minutes** Framework: The PCTCE Foundation & Demo
- 🕒 **25 Minutes** The Sandbox: Design & Refactor
- 🕒 **15 Minutes** Closure: Integrity Audit & Feedback

🎯 OBJECTIVES

- 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">• Research: The Trust Gap• Movement: Four Corners	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">• Prompts as Design• Master Demo	To move from generic commands to professional architectural design.	Process: Live Modeling, App Tour Materials: App Link
25 min.	The Sandbox Sprint: <ul style="list-style-type: none">• Round 1: Architecting• Round 2: Lens Swapping	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">• Peer Review Protocol• Auditor Validation	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

ovator
scripted/dry materials. Focus: Engagement and

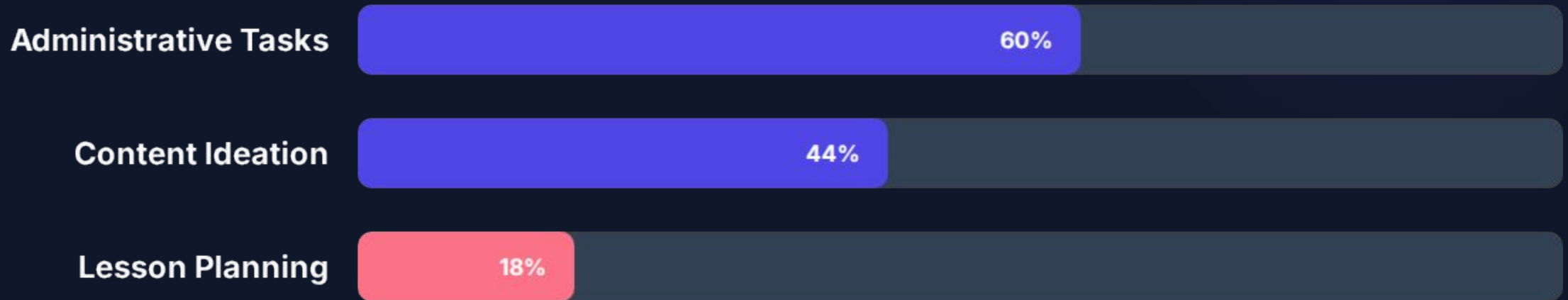
ffolder
heavy content. Focus: Access and variability.

Task

The Research Base

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

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"?



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The PCTCE Framework

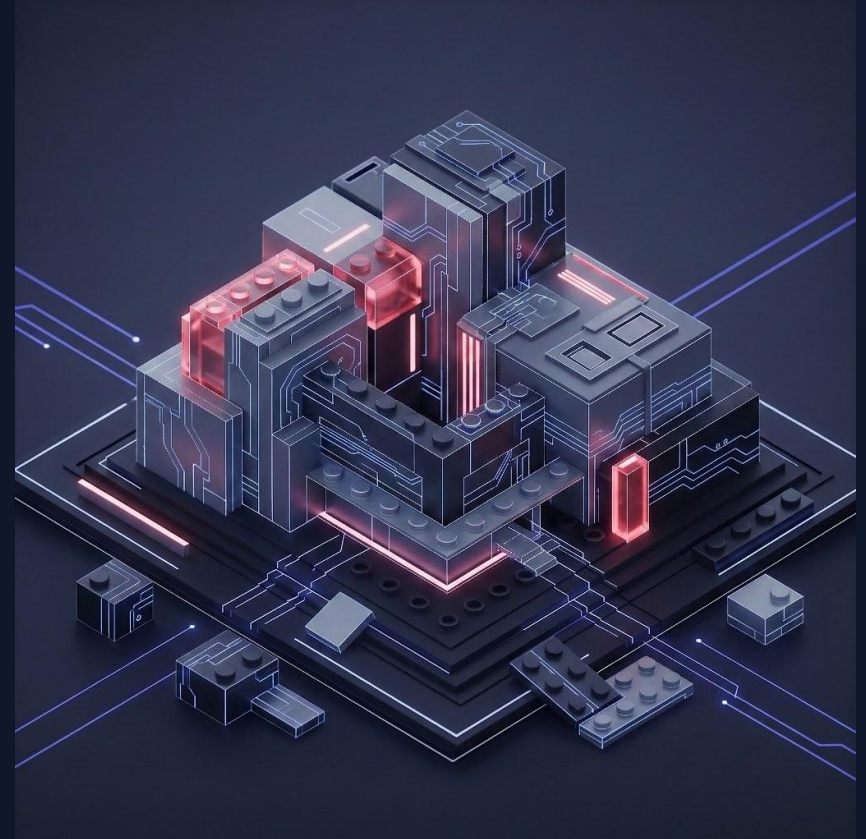
P
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Architectural Prompting

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.



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:

- Educator Archetype:** A dropdown menu with 'The Renovator (Update for Equity/Relevance)' selected.
- Topic or Learning Target:** A text input field containing 'e.g., Photosynthesis for 7th grade'.
- Target Standards (Optional):** A text input field containing 'e.g., NGSS MS-LS1-6'.
- Instructional Model:** A dropdown menu with 'General / No Specific Model' selected.
- Existing Resource Snippets / Rough Ideas:** A text area with an 'Upload' button and a placeholder text: 'Paste lesson fragments, standards, anchor texts... or upload .txt/.md/.csv/.json/.html files.'
- UNIVERSAL DESIGN FOR LEARNING (UDL):** A section titled 'Select the UDL principles you want the AI to embed throughout your prompt.' It contains three radio button options:
 - Multiple Means of Engagement**
the "Why" of learning — recruit interest, sustain effort, self-regulation
 - Multiple Means of Representation**
the "What" of learning — perception, language, comprehension
 - Multiple Means of Action & Expression**
the "How" of learning — physical action, expression, executive function
- THE PCTCE BUILDER:** A 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...'
 - EXEMPLAR:** 'What does excellent output look like?'

At the bottom right, there is a button labeled 'Architect Master Prompt'.

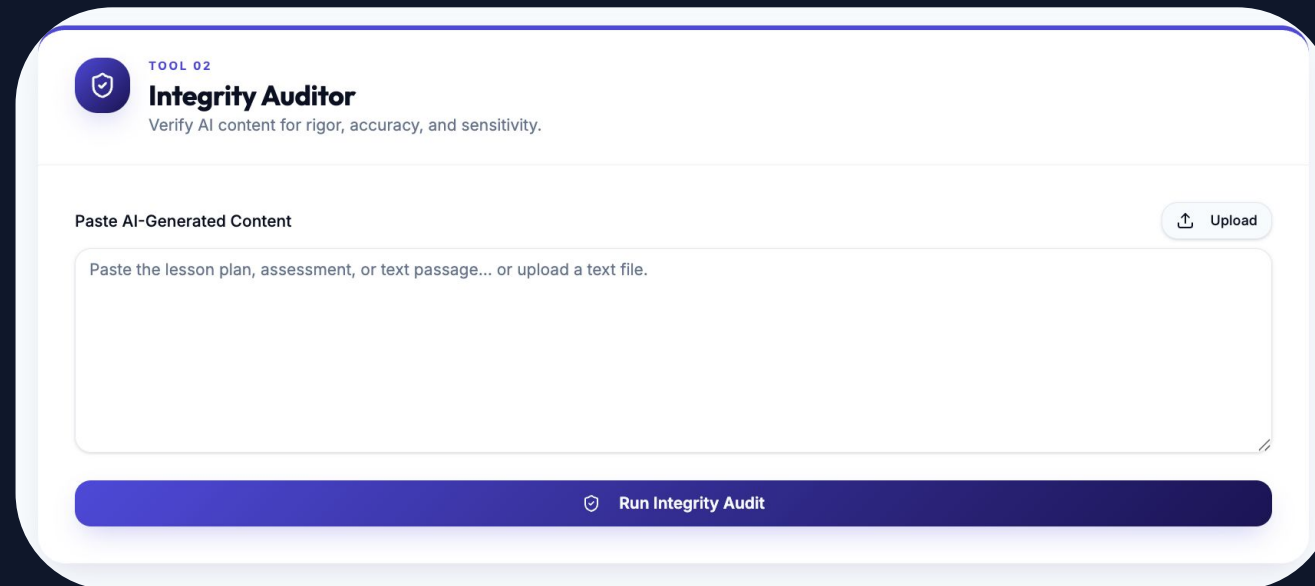
Integrity Auditor

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 Integrity Auditor web interface. At the top left, there is a shield icon and the text "TOOL 02 Integrity Auditor". Below this, it says "Verify AI content for rigor, accuracy, and sensitivity." The main area has a heading "Paste AI-Generated Content" and an "Upload" button with an upward arrow icon. Below the heading is a large text input area with the placeholder text "Paste the lesson plan, assessment, or text passage... or upload a text file." At the bottom of the interface is a prominent blue button labeled "Run Integrity Audit" with a checkmark icon.

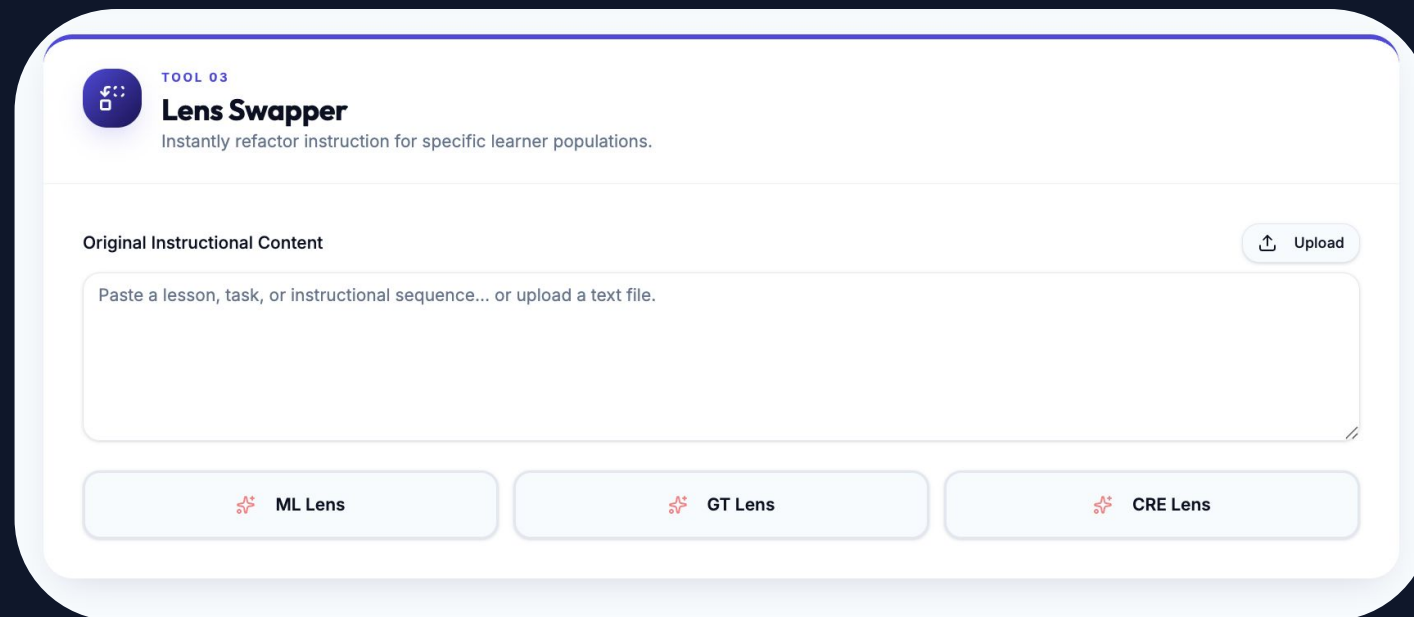
The Lens Swapper

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 'S' and a small grid pattern, followed by the text 'TOOL 03' and 'Lens Swapper'. Below this, a subtitle reads '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' with a red star icon, 'GT Lens' with a red star icon, and 'CRE Lens' with a red star icon.

Lesson Examples



Document tabs +

♥ Initial Prompt ⋮

♥ Prompt Lab

♥ Prompt Lab + Refactored f...

Prompt: Create a lesson for 9th graders on analyzing rhetorical devices in non fiction

Lesson Plan: The Art of Persuasion

Subject: 9th Grade English Language Arts

Topic: Analyzing Rhetorical Devices in Non-Fiction

Duration: 60–90 Minutes

1. Learning Objectives

- **Identify** common rhetorical devices (Ethos, Pathos, Logos, Anaphora, Rhetorical Questions, and Parallelism).
- **Analyze** how authors use these devices to support their claims and persuade an audience.
- **Evaluate** the effectiveness of a specific non-fiction text through the lens of rhetoric.

2. Key Terms (The Rhetorical Toolbox)

The Rhetorical Triangle

1. **Ethos (Credibility):** Convincing the audience of the author's character or reliability.
 - *Example:* "As a doctor with twenty years of experience, I can tell you that this treatment is safe."
2. **Pathos (Emotion):** Appealing to the audience's emotions (fear, pity, joy, pride).
 - *Example:* "Imagine the heartbreak of a child who goes to bed hungry every single night."
3. **Logos (Logic):** Using facts, data, and logical reasoning to support an argument.
 - *Example:* "Statistics show that 85% of students who study for thirty minutes a day improve their grades."

Stylistic Devices

- **Anaphora:** The repetition of a word or phrase at the beginning of successive clauses. (e.g., "I have a dream... I have a dream...")
- **Parallelism:** Using components in a sentence that are grammatically the same; or similar in their construction, sound, or meaning. (e.g., "Ask not what your country can do for you; ask what you can do for your country.")
- **Rhetorical Question:** A question asked just for effect, or to lay emphasis on some point discussed, when no real answer is expected.

3. Direct Instruction (The "How-To")

When analyzing a text, students should follow the **S.P.A.C.E.C.A.T.** method:

- **Speaker:** Who wrote this? What is their background?
- **Purpose:** What does the speaker want the audience to *do* or *think*?
- **Audience:** Who is the speaker talking to?
- **Context:** What is happening in the world around this text?
- **Exigence:** What sparked the need for this speech or essay right now?
- **Choices:** What rhetorical devices did the author choose?
- **Appeals:** Ethos, Pathos, or Logos?
- **Tone:** What is the speaker's attitude?





Demo

Let's play together!



Hands-On Exploration

1. Tool Practice

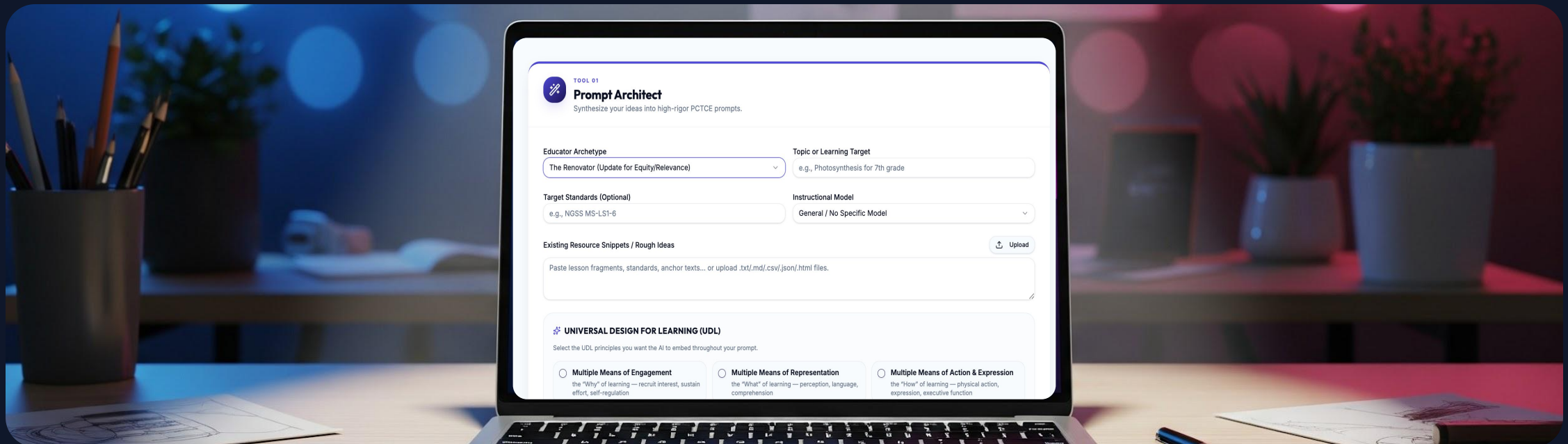
Spend time interacting with the tool. Input various lesson plans or content pieces to see the transformation in real-time.

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