

AI-Powered Instruction & *Assessment*

A full-day, hands-on workshop equipping school leaders and instructional facilitators with practical AI workflows for curriculum alignment, gap analysis, and data-driven instruction.

Google NotebookLM

Google Gemini

Claude AI

Arkansas Content Standards

ATLAS Blueprints

Achievement Level Descriptors (ALDs)

Depth of Knowledge (DOK)

Harrison School District
Instructional Team

What we will *cover* today

- Standards-based gradebook — how teachers built CFAs for the report card
- CFA rigor check — analyzing assessments against DOK levels and ALDs
- Curriculum alignment — Arkansas Content Standards and ATLAS Blueprints
- Summative & interim data — exporting and analyzing ATLAS test scores
- Teacher-level data slides — strengths, weaknesses, overviews per teacher

Harrison School District's *data journey*

We open by sharing how our district began using AI — not theory, but real workflows used in Harrison classrooms and data meetings every day.

HOW IT ALL STARTED

When Harrison moved to standards-based report cards, our K–4 teachers weren't happy with the report card programs we purchased. Instead of settling, we decided to build our own — a fully custom standards-based report card and gradebook designed by our teachers, for our students. That decision is what set everything else in motion.

CFA Development *Workflow*

How teachers built Common Formative Assessments tied to standards-based report cards — then used AI to verify and improve rigor.

Note: Grade level chairs met throughout the year to collaborate on this process — ensuring CFAs stayed aligned to standards and rigor expectations each quarter.

STEP 01

Teachers Create CFAs

Common Formative Assessments written for each report card standard by grade level

STEP 02

Upload to NotebookLM

Plug in CFA documents alongside Achievement Level Descriptors (ALDs)

STEP 03

Analyze Rigor

Prompt NotebookLM to evaluate whether each CFA meets grade-level rigor expectations

STEP 04

Revise in Gemini

Use findings to rewrite and strengthen CFA items for higher DOK levels

Checking CFA *Rigor with NotebookLM*

After uploading your CFA documents and ALD files into NotebookLM, use this prompt:



"Using the [subject area] ALDs, can you tell me if these CFAs are rigorous enough for my class based on the quarter they are taught for [grade level] grade?"

Then **reprompt** based on the analysis — drill into specific standards or DOK levels. Once you have your findings, take them into Gemini to rewrite and strengthen the assessment items.

-  Open NotebookLM → notebooklm.google.com

Remaking the CFAs *with Gemini*

After NotebookLM identifies where CFAs fall short on rigor, take those findings into Gemini to rewrite assessment items at the right DOK level.

- Paste your findings from NotebookLM into Gemini along with the original CFA
- Prompt Gemini to rewrite questions at a higher DOK level aligned to the ALDs
- Review and refine — reprompt until items match the rigor needed for your grade and quarter
- Save the revised CFA and use it in your standards-based gradebook



"Based on these findings from my ALD analysis, can you rewrite these CFA questions for [grade level] grade at a DOK level [2/3] to better align with the performance expectations?"



[Open Gemini CFA revision example](#)

— NOW SHIFTING GEARS —

Let's talk about *Analyzing Interim Data*

Why We *Analyzed Interim Data*

Teachers receive their scores from ATLAS after interim testing — but then what? A spreadsheet full of numbers doesn't tell the story. **What now?**



By School

Which campuses need the most support?



By Grade

Where do gaps exist across grade levels?



By Teacher

Data ready for coaching conversations



Fill Gaps Fast

Drive instruction before the summative

Exporting & Analyzing *ATLAS Data*

Follow these steps to pull your summative data and bring it into Claude for analysis:

- 1 Go to the ATLAS Testing Portal**
Log in and navigate to the data export section
- 2 Download via Secure File Center**
Pull up scores and save locally
- 3 Upload to Claude & Prompt**
Use the prompt on the right to generate an admin infographic



"Can you use this data from ATLAS Interim testing and create a one-page infographic for administrators to review the data?"

- [How to Export Summative Data — Step-by-Step](#)
- [Video: How to Export Summative Data](#)
- [Example Infographic](#)

Creating *Teacher-Level* Data Slides

Principals asked for individual slides they could share in teacher coaching conversations. Using MOY Science interim data, Claude builds a full slideshow with one slide per teacher.

- One slide per teacher — individual data views
- Strengths — where students are performing well
- Weaknesses — standards or strands needing attention
- Data overview — key metrics at a glance



"Could you take just the interim data from the MOY Science and create me a slideshow? I would like to have a slide for each teacher with their strengths, weaknesses and just an overview of their data."



Example Slide Show

Tools at a Glance — *When to Use Each*

Each tool has a sweet spot. Use them together for the most powerful results.

NotebookLM

Upload & Compare Documents

Best for: CFAs vs ALDs, pacing guides vs blueprints, curriculum maps vs standards. Great for generating gap analyses from uploaded files.

Gemini

Rewrite & Create Content

Best for: revising CFA items, generating new assessment questions at higher DOK levels, and drafting instructional materials.

Claude

Analyze Data & Build Visuals

Best for: uploading test score exports, building infographics, creating teacher-level data slides, and IXL correlation analysis.

Thank *You!*

If you have any questions, please don't hesitate to reach out.

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NotebookLM

Gemini

Claude