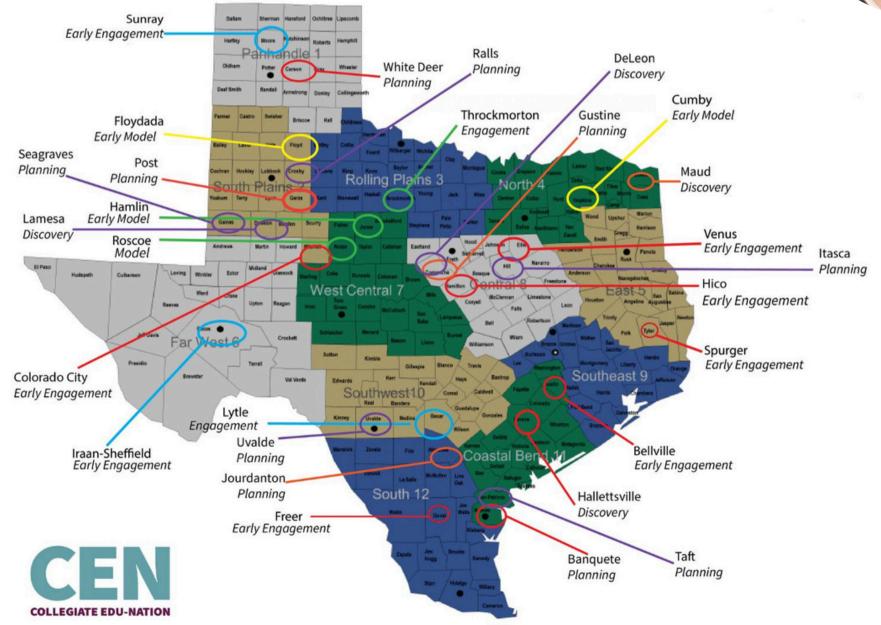






#### RACHAEL MCCLAIN

Collegiate Edu-Nation
CEN President



#### **Primary Source:**

Cammie Kannekens
District Instructional Coach (Prairie Rose Public Schools)
and Edtech Consultant (Logics Academy)
Alberta, Canada

## Successes of Traditional PLCs:

- Encourages
   collaborative
   teaching culture.
- Focuses on improving student outcomes.
- Promotes reflective professional growth

## Pain Points of Traditional PLCs:

- Lack of dedicated meeting time.
- Limited data analysis capabilities.
- Ineffective meeting facilitation.



#### What is Generative AI?

Generative AI is a **type of artificial intelligence** capable of creating new content, such as text, images, or even music.

Unlike traditional AI, which primarily analyzes data,
Generative AI generates outputs based on the data it has learned from. It uses advanced models like GPT (Generative Pre-trained Transformer) **to understand patterns and produce human-like responses**.

#### **Key Features:**

- Creates new content based on prompts.
- Learns from vast datasets to improve responses.
- Adapts to provide personalized and insightful outputs.

Generative AI can enhance teaching, streamline lesson planning, and facilitate collaborative discussions, making it a powerful tool for education.



### Objectives



#### **Streamline Administrative Tasks:**

Demonstrate how Al can automate routine administrative tasks within PLCs, freeing educators to focus on instructional strategies and collaborative planning.



#### Leverage Data for Better Decision-Making:

Showcase how Al-powered data analysis can provide actionable insights, helping PLCs identify student learning needs, monitor progress, and adjust interventions effectively.



#### **Enhance Instructional Practices and Grading:**

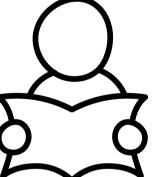
Explore AI tools that support personalized learning, improve grading efficiency, and enable teachers to develop targeted instructional practices, fostering more effective student learning outcomes.











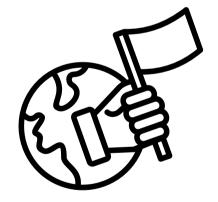
Lifelong Learner



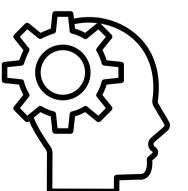




Lifelong Learner

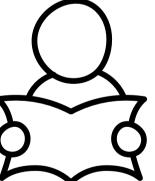


Responsible Citizens

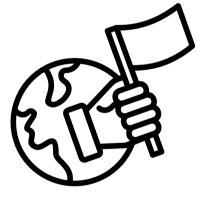


**Critical Thinkers** 





**Lifelong Learner** 



Responsible Citizens



**Critical Thinkers** 



College & Career Ready

#### The Future Focused Instructional Framework for Schools











Cheating versus Integrity

# Sound Familiar?

We need an Al-Detector

No
Technology
in this
lesson

Block Al from the Campus Wifi

# The Problem with Al Detectors in Academics (And How to solve it)

Have conversations w/students about appropriate use of Al

Collect writing samples throughout the year to use as growth indicators

Capture student reflections on the AI collaboration process

with AI as similar to working with a tutor

Have students share about how much AI was used for idea generation and feedback and how it impacted the final writing

High frequency of false positives

A lot of uncessary
work for teachers

Lack of transparency
about how they
actually work

Discrimination against
non-native English
speakers

Promotes a false assumption that this is always bad

Many institutions of higher learning are now turning these off

## What is Cheating with AI?

Using AI to brainstorm ideas for the paper Using AI for spell check and grammar assistance

Using AI to check for plagiarism

Using AI to write an outline for the paper

Using AI to provide feedback on how to improve the paper

Using AI to paraphrase portions of your writing

Using AI to summarize content being read for the paper Using AI to answer questions about the content

Using AI to write a rough draft of the paper

Using AI to find informational sources for the paper

Using AI for feedback on style and tone

Using AI to properly cite and reference sources

Writing the paper yourself with no help from AI

What are acceptable uses of AI when writing a paper?

Having AI write your paper and submitting it as your own work





Acceptable

The Continuum of Cheating

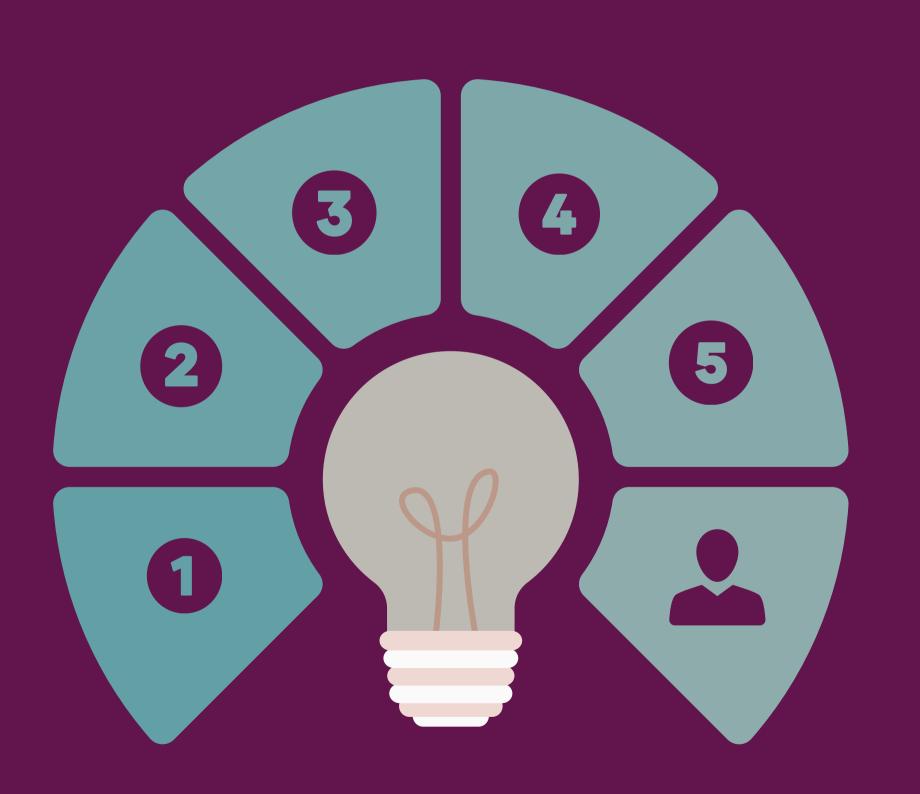
Not Acceptable



### You can detect Al...

- Repetitive phrases
- Different writing style for student (Inconsistent tone, vocabulary, etc) from handwritten assignments
- Lack of personalization
- Forced cheeriness (sounds fake)
- Formatting (bullet points, headers)
- Try your prompt in AI and look for similarities

## Shift: Alis Cheating to Alas Pedgogy



- Normalize responsible Al use for students
- You/human are the master Al is your assistant
- Think of AI as an AMPLIFIER not a REPLACER
- Think of Al as FIRST DRAFT
- Think of AI as a personal tutor or assistant



XXX

X X X

X X X



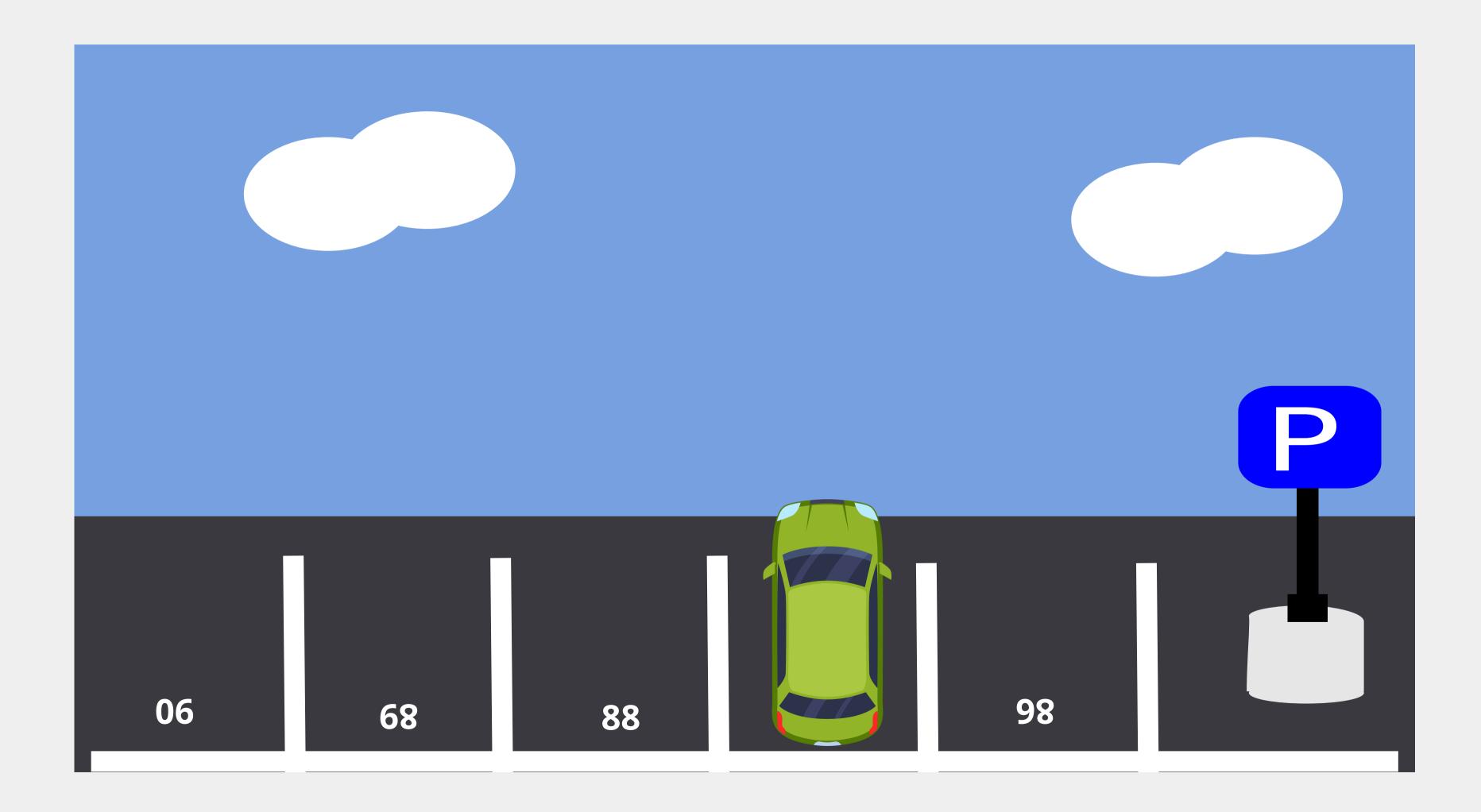
#### Let's Demo!

#### Using ChatGPT to create:

- Generate a professional development calendar for teachers designed to integrate AI in the lessons for the next 6 weeks
- Curate resources for a PLC
- Use Al-Note Taker to transcribe the PLC



# Al Data Analysis Practices





XXX

X X X

X X X



#### Let's Demo!

#### Using ChatGPT to create:

- Develop a student review based on EOY MAP Data
- Generate bell ringers and/or exit tickets using student data
- Create Tutorial Groups using formative data



# Instructional Practices

# Planning Assessment & Classroom Instruction

In the Gen Al Age

**Teaching With Al** 

Teaching about Al



# Planning Assessment & Classroom Instruction

In the Gen Al Age

**Teaching With Al** 

Teaching about Al



### What level of AI can we use today?

- AI does all your work you don't think at all
- Al writes it, you tweak it based on class notes
- Al drafts it, you rewrite with your own ideas
- · Al gives options, you pick the best parts
- You list main points, AI writes it up
- Al coaches you through the writing process
- When you're stuck, you ask AI for help
- AI helps find facts, you write everything yourself
- You brainstorm with AI but write it all yourself
- You write it all, then ask AI how to make it better
- You do everything yourself no AI or internet help at all

#### Al Resources

#### Al Resistant (& Assisted) Assignments and Assessments

Ai for Education

https://www.aifored ucation.io/prompts/ design-an-airesistantassessment **Magic School** 

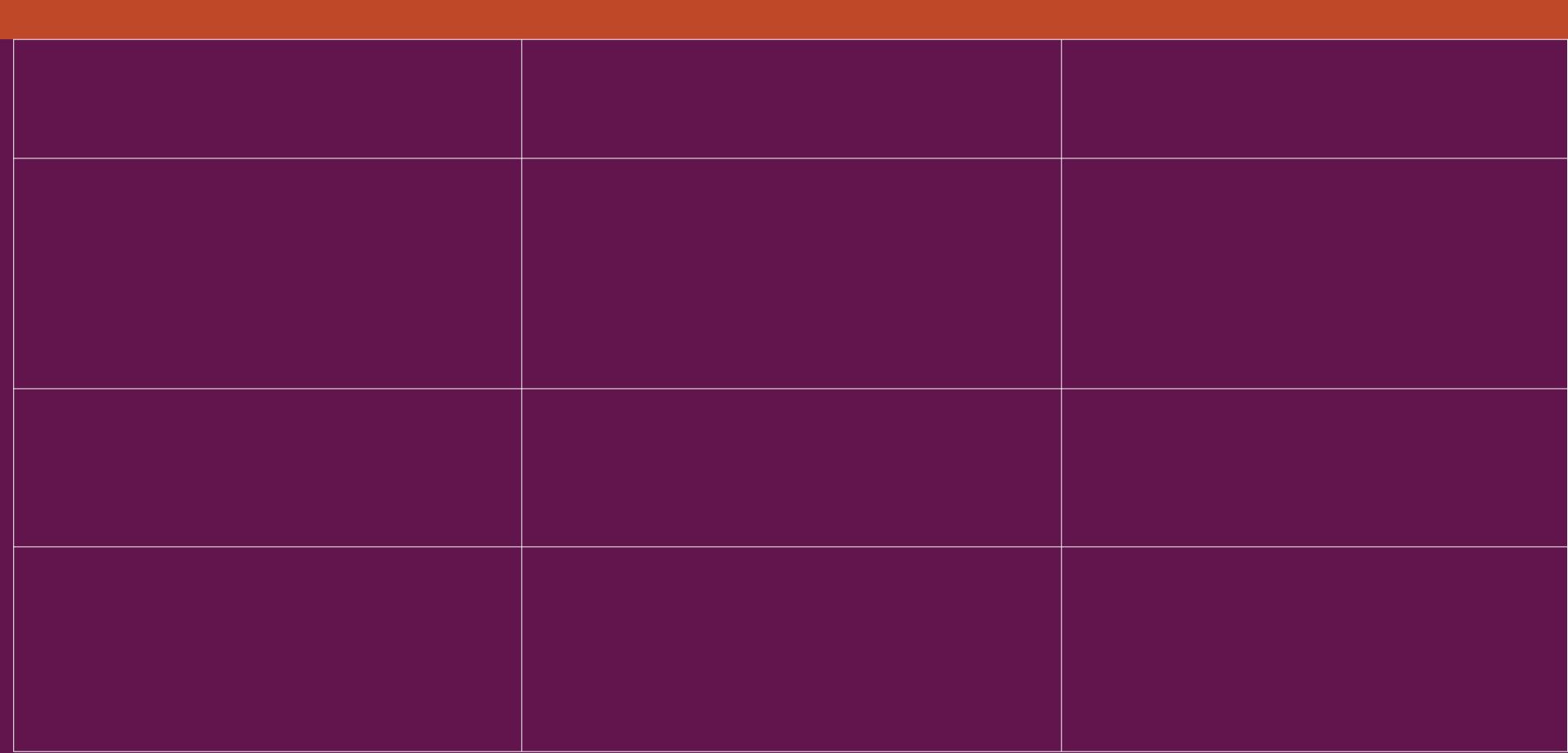
**Teaching Channel** 

**Caitlin Tucker** 

Khanmingo

https://www.magics chool.ai/ https://www.teachingchannel.com/k12

hub/blog/outsmarti ng-the-bots-5strategies-tocreate-ai-resistantassignments/ https://catlintucker. com/2024/10/airesistant-tasks/ https://www.khanac ademy.org/teacher /khanmigo-tools



Product Transitions to Process	
Enabling personalized, adaptive learning experiences that emphasize understanding, exploration, and skill development rather than just final outcomes	

Product Transitions to Process	Doing Old Things Faster to Doing New Things Better	
Enabling personalized, adaptive learning experiences that emphasize understanding, exploration, and skill development rather than just final outcomes	Fostering innovation, creativity, and personalized learning approaches that go beyond efficiency to fundamentally transform educational experiences.	

Product Transitions to Process	Doing Old Things Faster to Doing New Things Better	Compliance/Task Focused to Active Learning/Goal Focused
Enabling personalized, adaptive learning experiences that emphasize understanding, exploration, and skill development rather than just final outcomes	Fostering innovation, creativity, and personalized learning approaches that go beyond efficiency to fundamentally transform educational experiences.	Enabling more engaging, personalized learning experiences that encourage critical thinking, creativity, and deeper understanding, aligning activities with meaningful goals rather than merely completing tasks.

Product Transitions to Process	Doing Old Things Faster to Doing New Things Better	Compliance/Task Focused to Active Learning/Goal Focused
Enabling personalized, adaptive learning experiences that emphasize understanding, exploration, and skill development rather than just final outcomes	Fostering innovation, creativity, and personalized learning approaches that go beyond efficiency to fundamentally transform educational experiences.	Enabling more engaging, personalized learning experiences that encourage critical thinking, creativity, and deeper understanding, aligning activities with meaningful goals rather than merely completing tasks.

Providing students with authentic contexts, global collaboration opportunities, and meaningful feedback, making their learning experiences more impactful and relevant to real-world challenges.

**Teacher as the Audience to Real** 

**World as the Audience** 

Enabling personalized, adaptive learning experiences that emphasize understanding, exploration, and skill development rather than

#### **Doing Old Things Faster to Doing New Things Better**

Fostering innovation, creativity, and personalized learning approaches that go beyond efficiency to fundamentally transform educational experiences.

#### **Compliance/Task Focused to Active Learning/Goal Focused**

Enabling more engaging, personalized learning experiences that encourage critical thinking, creativity, and deeper understanding, aligning activities with meaningful goals rather than merely completing tasks.

#### **Teacher as the Audience to Real World as the Audience**

global collaboration opportunities, and

just final outcomes

real-world challenges.

Providing students with authentic contexts, meaningful feedback, making their learning experiences more impactful and relevant to

#### **Consumption to Creation**

Actively produce content, innovate, and solve problems, turning them from passive recipients of information into active creators who apply knowledge in meaningful ways.

Product	<b>Transitions to Process</b>

### Doing Old Things Faster to Doing New Things Better

### Compliance/Task Focused to Active Learning/Goal Focused

Enabling more engaging, personalized

Enabling personalized, adaptive learning experiences that emphasize understanding, exploration, and skill development rather than just final outcomes

Fostering innovation, creativity, and personalized learning approaches that go beyond efficiency to fundamentally transform educational experiences.

# learning experiences that encourage critical thinking, creativity, and deeper understanding, aligning activities with meaningful goals rather than merely completing tasks.

Traditional Assignment to

**Content the World wants to** 

Consume

## Teacher as the Audience to Real World as the Audience

#### **Consumption to Creation**

Enabling students to create authentic, audience–relevant work that has a purpose beyond the classroom, engaging broader communities and contributing to the world in meaningful ways.

Providing students with authentic contexts, global collaboration opportunities, and meaningful feedback, making their learning experiences more impactful and relevant to real-world challenges.

Actively produce content, innovate, and solve problems, turning them from passive recipients of information into active creators who apply knowledge in meaningful ways.

#### What happens Offline

Emphasize Personal Reflection

More oral response

Spend more time on the **process** – collect the process

Spiky **Opinions** / Spectrums / Rank & Justify

Class discussions

Hand written rough drafts

#### What happens Online

Digital Portfolios

Change the medium to multimedia (recording, podcasting, videos, digital portfolios, etc)

More oral digital response (Snorkl.app, Seesaw, Padlet, etc)

X X X

X X X

× × ×

X X X



#### Let's Demo!

#### Using ChatGPT to create:

- Consumption to Creation Lessons
- Trend Data to generate PBLs with support resources



Cammie's Al Padlet at <u>bit.ly/prpsai3</u>

<u>TeachAl's Al Guidance for Schools Toolkit https://www.teachai.org/</u>

<u>Ditch That Textbook on Writing Feedback</u>

10 ways to detect Al ...with Human power

Video: "Cheating is a Skill" - Dan Fitzpatrick (6:52)

<u>AiforEducation.io Resource Hub</u>

Amazon: Dan Fitzpatrick's *The AI Classroom* 

Amazon: Matt Miller's <u>AI for Educators</u>

Holly Clark's <u>"Why Al Detectors Are</u> <u>Problematice" Al Infused Classroom</u>

https://www.aiedu.org/ai-snapshots 180 x 5 minute Al Snapshots

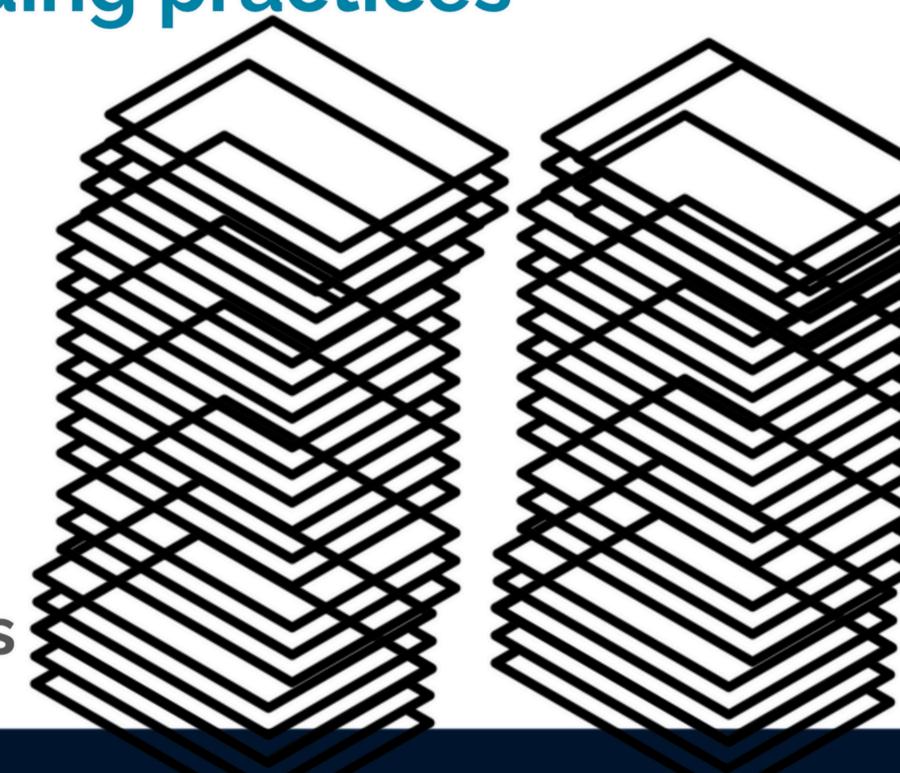


# Using Alto Grade

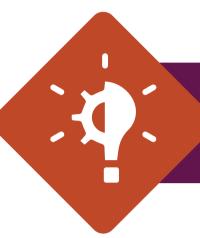
#### A Tale of Four RLA Teachers...

Current assessment/grading practices

- o colleague 1
  - → % only
- © colleague 2
  - → 6-8 weeks to return
- ocolleague 3
  - →skips writing
- 🥯 colleague 4
  - →quality feedback, 2 weeks



# Using Al to Grade



#### Workflow Process

#### Teacher and/or student...

- 1.Copy/Paste your rubric into **ChatGPT** or **Perplexity.ai**
- 2. Paste the written response afterward; ask for feedback on writing

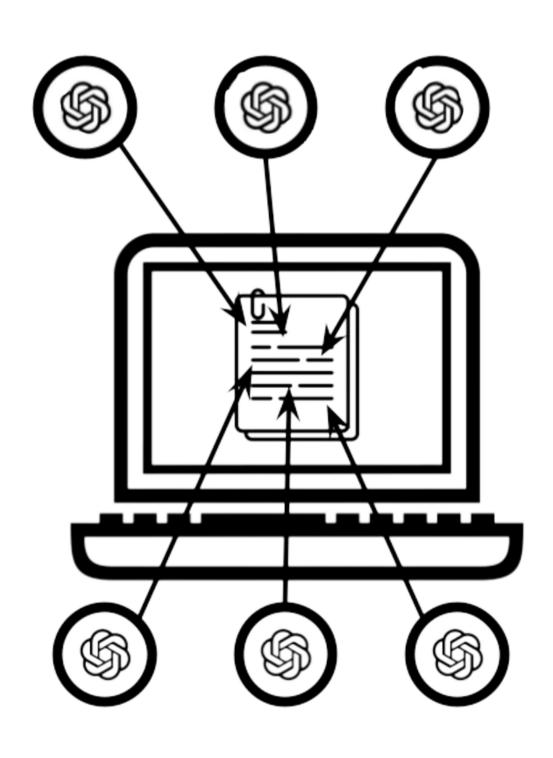
**Prompt:** "Can you use this rubric to provide feedback on **[this** aspect of my writing] and explain your suggestions."



#### Al Feedback vs. Human Feedback

- Timely → instant
- Therefore, more frequent
- More consistent
- More accurate
- More detailed
- Can increase student independence/ownership
- Less biased than a human

# Here's how I used ChatGPT to assess student writing



Here's how I used ChatGPT to assess student writing

Guest post by Deborah Cleveland



XXX

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x x x



#### Let's Demo!

#### Using ChatGPT to create:

- Generate sample prompts for classroom practice for short-constructed response
- Practice grading STAAR passages using Al

## Resource Page

https://coloradoea.org/newsupdates/a-deeper-dive-intoai-cheating/

Cammie Kannekens
District Instructional Coach
(Prairie Rose Public Schools)
and Edtech Consultant
(Logics Academy)
Alberta, Canada

AI Guidance for Schools

Toolkit

Foundational Policy Ideas for AI in Education Teach AI Guidance Toolkit and Foundational
Policy Ideas

SIIA Education Technology Industry's
Principles for the Future of AI in Education
Council of the Great City Schools & CoSN
Launch K-12 Generative Artificial
Intelligence (Gen AI) Readiness Checklist
CoSN and Council of Great City Schools K12 Gen AI Maturity Tool

Ed SafeAI Alliance SAFE Benchmarks
Framework

Kapor Foundation Responsible AI and Tech

Justice: A Guide for K-12 Education

Office of Educational Technology: Artificial

Intelligence and the Future of Teaching and

Learning

Australian Framework for Generative

Artificial Intelligence in Schools

OECD: Artificial Intelligence

(recommendation of the Council on Artificial

<u>Intelligence</u>)

Bletchley Declaration

Torrey Trust GenAI & Ethics: Investigating

ChatGPT, Gemini, & Copilot

## Resource Page

# Triple E Evaluation for Educational Apps Rubric for Evaluating AI Tools for Schools AI Policy Resources AI Equitable Access Resources Eric Curts, ControlAltAchieve.com

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**QUESTIONS?** 

rmcclain@edu-nation.org

