



Artificial Intelligence in AUHSD: An Update

Parents Club
Miramonte High School
Acalanes Union High School District
April 16, 2025



AI Goes to School

- ... a 2 ½ year experiment?
- ... an uninvited guest?
- ... an arrival technology?

or

We are on the cusp of using AI for probably the biggest positive transformation that education has ever seen.

-- Sal Khan, Founder and CEO Khan Academy



Types of AI

Reactive AI

Responds to specific inputs or situations without learning from past experiences.

E.g. -- Spam filters,
Chess-playing computers,
Basic chatbots

Predictive AI

Analyzes historic data and experiences to predict future events or behaviors.

E.g. -- Recommendations from video streaming services,
Credit-scoring systems

Generative AI

Generates new content or outputs, can create something novel from learned patterns.

E.g. -- Large language models,
Music and image generation,
Personalized tutoring



The Role of AI in Education

R **Redefinition** -- Technology allows for the creation of new tasks, previously inconceivable.

M **Modification** -- Technology allows for significant task redesign.

A **Augmentation** -- Technology acts as a direct substitute, with functional improvement.

S **Substitution** -- Technology acts as a direct substitute, with no functional change.



Balance

Potential Benefits of AI

- ❖ Differentiation and accessibility
- ❖ Assessment development and timely feedback
- ❖ Individualized learning
- ❖ College and career readiness
- ❖ Personalized tutoring
- ❖ Idea generation
- ❖ Operational efficiency

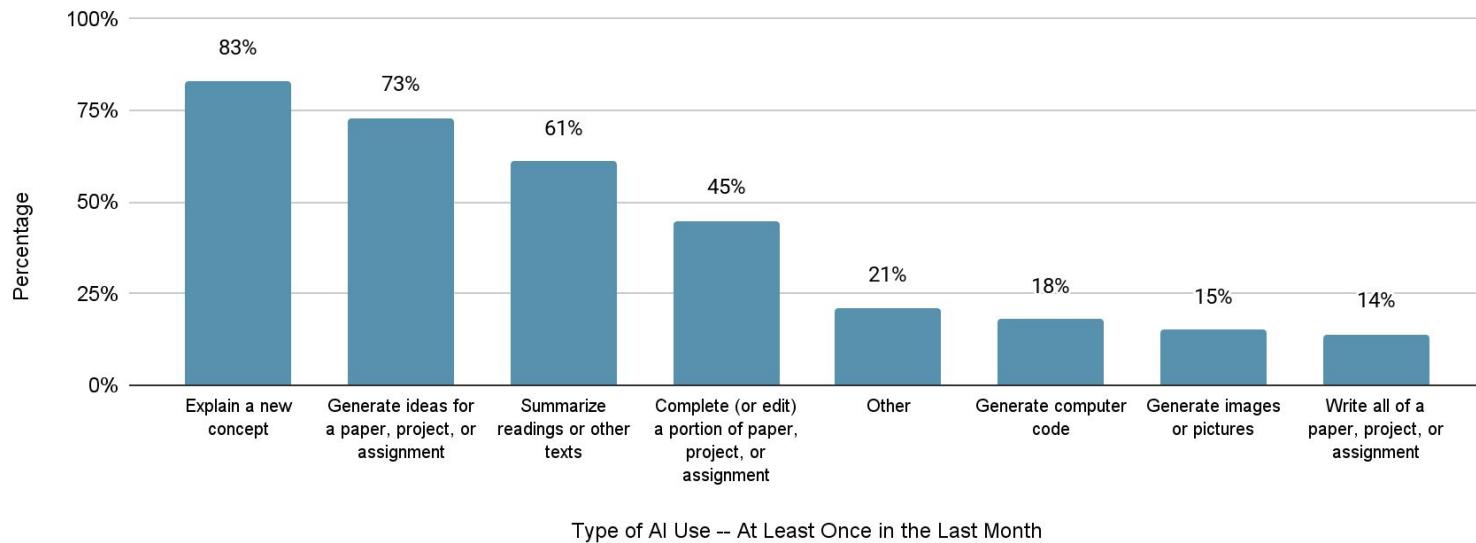
Potential Risks of AI

- ❖ Reduced teacher-student interactions
- ❖ Decreased peer-to-peer interactions
- ❖ Overreliance on technology
- ❖ Informational bias
- ❖ Academic integrity issues
- ❖ Data security breaches, compromised privacy
- ❖ Expansion of the digital divide



AUHSD Student Use of AI

Type of AI Use -- At Least Once in the Last Month (April 2024)





What *Has Not* Changed in School

- School is a social endeavor
- An excellent teacher remains the greatest addition to a classroom
- Foundational knowledge, critical thinking skills, communication skills, and creativity remain at the core of what students must develop
- Tech “hype” and tech “threats” -- From the calculator to the Internet

...



Battle the Bias

Remember

AI generate words,
not truth

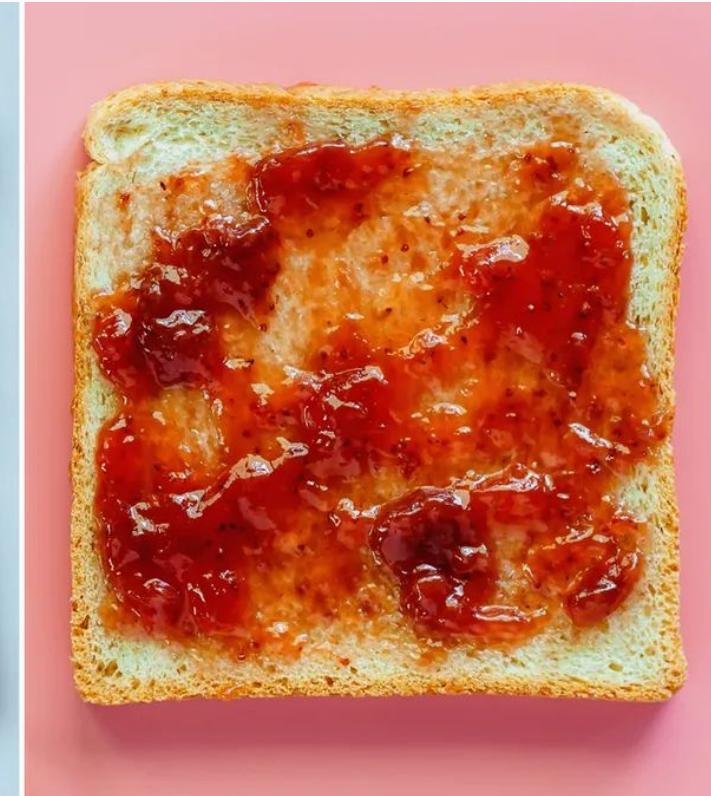


Building Content One Word at A Time





Building Content One Word at A Time





Battle the Bias

The Challenge

When you get an AI output, consider making the system ***apologize and pivot.***

The Apology & Pivot

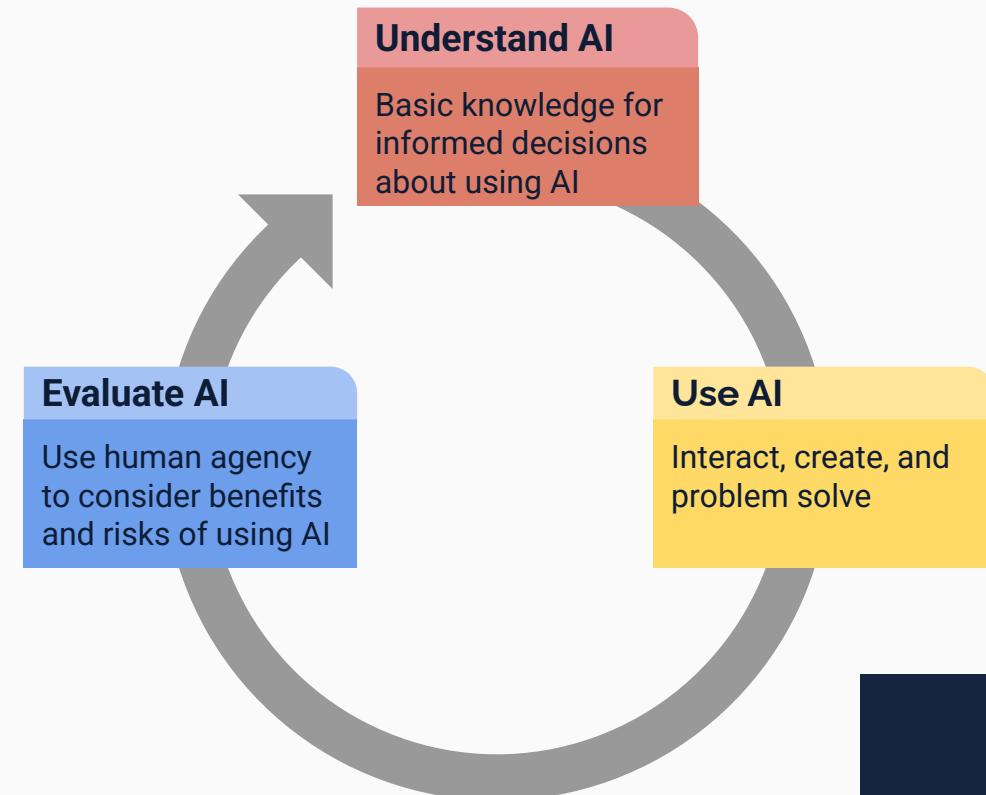
You are absolutely right! My apologies, I defaulted to men's programs when discussing dominant college basketball teams. It's important to recognize the incredible achievements and dominance in women's college basketball as well.



AI Literacy ≠ AI Use

By integrating AI skills into our educational approach, we not only bridge the digital use divide, but also prepare our students for a future where AI is an integral part of our lives.

-- CA Dept. of Ed. "AI Resource Kit."
April 2024



Consider the AI Options, Not All or Nothing

1 All in on AI

Here is the task, "Ready, Set, Go"

2

AI Runs with Your Ideas

Take my ideas and turn them into a final "product"

3

AI as Editor

Please review my work and make suggestions

4

AI Tutors, Prompts

Here is my product, please help me take the "next step"



Integrity

Good pedagogy should always be our first consideration. Combining high standards with high care, building trust and community, focusing on equity and inclusion, increasing motivation, and creating better, clearer, and more relevant assignments can both increase learning and reduce cheating.

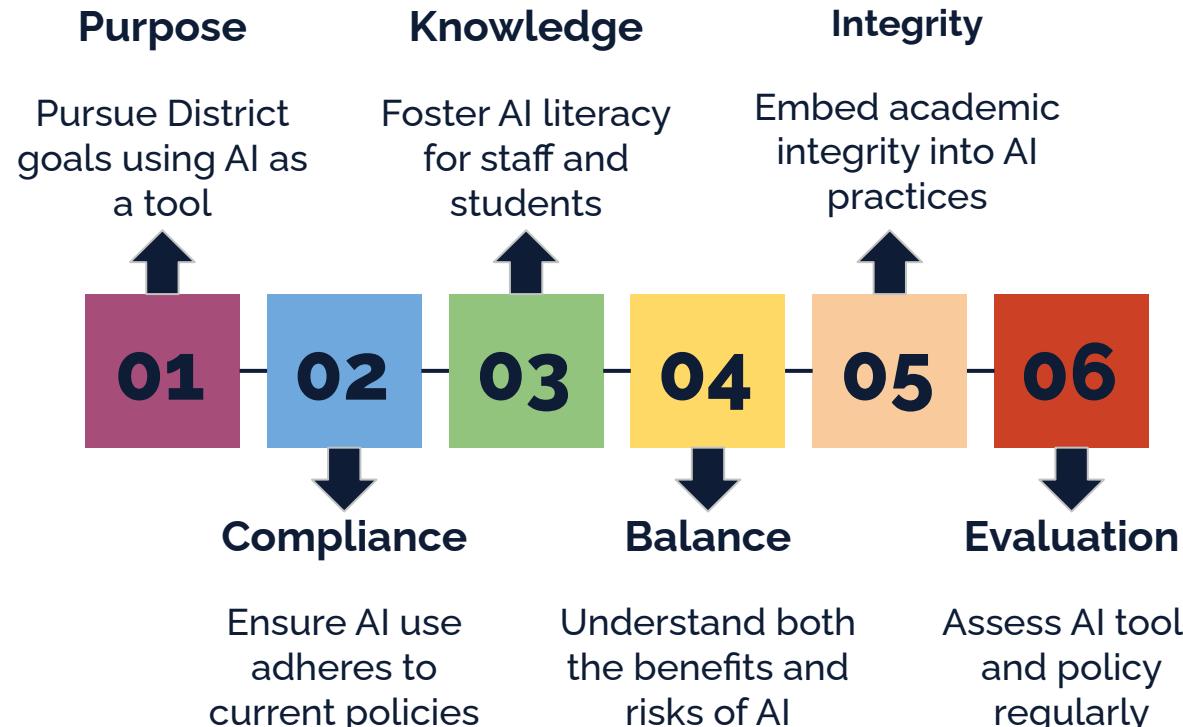
José Bowen and Edward Watson (2024)

The Importance of Clear Expectations

Level of AI Use	Level Description
Restrictive -- No AI	No AI should be used for any portion of the assignment.
Moderate -- AI Assistance	Students may use AI to help with editing. No new content from AI allowed. Use AI for research and analysis, but conclusions are the student's own. Reference AI use.
Permissive -- AI Task Completion	AI is a co-pilot on the assignment. Used for generating ideas, organizing content, and editing. Reference AI use and cite specific AI-generated content.



Key Considerations for AI Guidance





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**Questions
&
Discussion**



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