THE YIN AND YANG OF AI

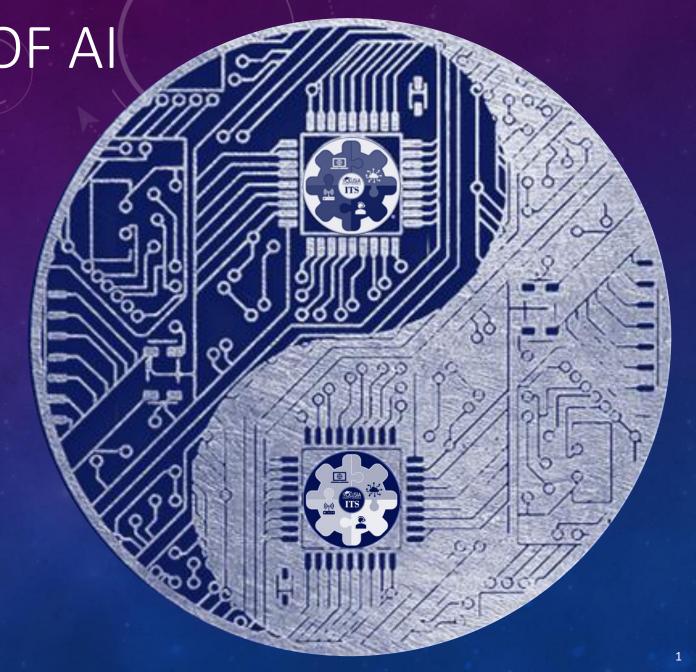
DR. MATT KUHN

DR. MELISSA CARR

VOLUSIA COUNTY SCHOOLS

INFORMATION TECHNOLOGY SERVICES





AGENDA

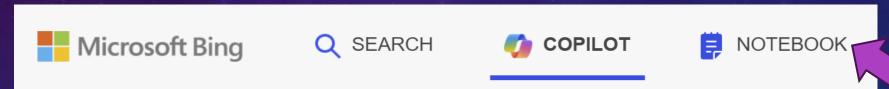
ITS ITS

- 1. Experiencing Al
- 2. The evolution of Al
- 3. Volusia County School's journey so far
- 4. Triad discussions of AI essential questions and whole group share
- 5. Al benefits and risks
- 6. Preparing staff and students for an AI augmented world
- 7. Closing thoughts
- 8. Resources



AI EXPERIENCE

- Practice what it's like to get feedback on an essay like a student. You
 can use an essay you have already or get an example <u>here</u> or with
 the QR code below.
- 2. Go to https://www.bing.com/chat and click on the Notebook icon.



- 3. Put in a prompt like "Give me feedback on how I could improve this compare and contrast essay." Copy & paste the text of the essay after the prompt. Click on the arrow for a response.
- 4. Try out the other features to use the response.



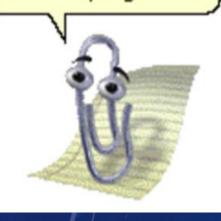


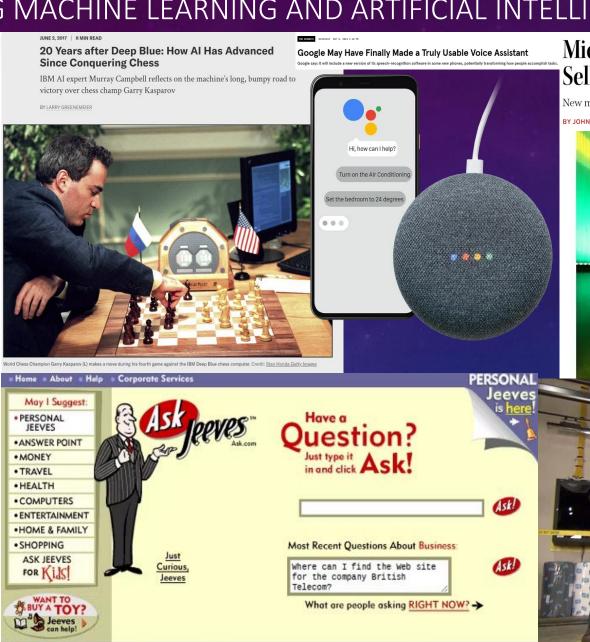
WE'VE BEEN USING MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE FOR A LONG TIME...

It looks like you're writing a letter.

Would you like help?

- Get help with writing the letter
- Just type the letter without help
- Don't show me this tip again





Make Jeeves Your Homepage Ask Jeeves U.K. Advertise On Jeeves Become an Affiliate Investor Relations

Microsoft's Kinect for Xbox 360 Becomes Fastest-Selling Electronic Device in History

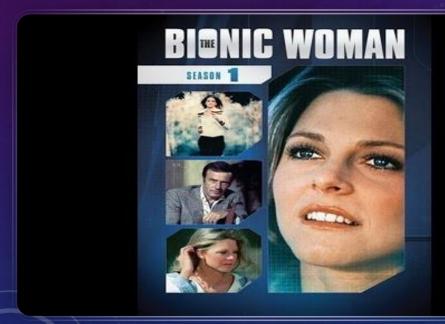
New motion-sensor controller hardware tops 10 million units sold since it launched Nov. 4 last year.

BY JOHN GAUDIOSI [MARCH 9, 2011 11:09AM



OUR AI PHILOSOPHY

Al can be an augmentation to one's ability to learn, create, and analyze. It doesn't replace you; it adds to you.







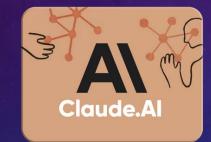


PARADIGM SHIFT - CAN YOU TELL THE DIFFERENCE?





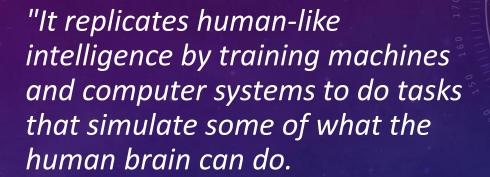


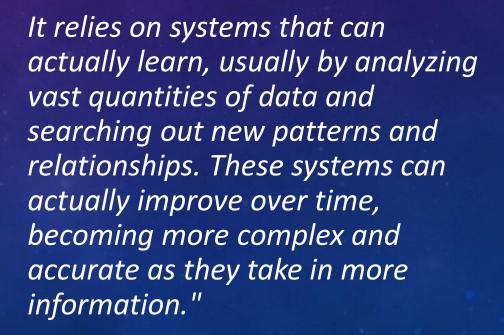
















Alis already here







OUR JOURNEY SO FAR...

- 5. Improved Student Outcomes
- TIS OF THE PROPERTY OF THE PRO

- 4. Principal and 2. Code of Student Conduct Teacher Training
 - Do's & Don'ts for Students

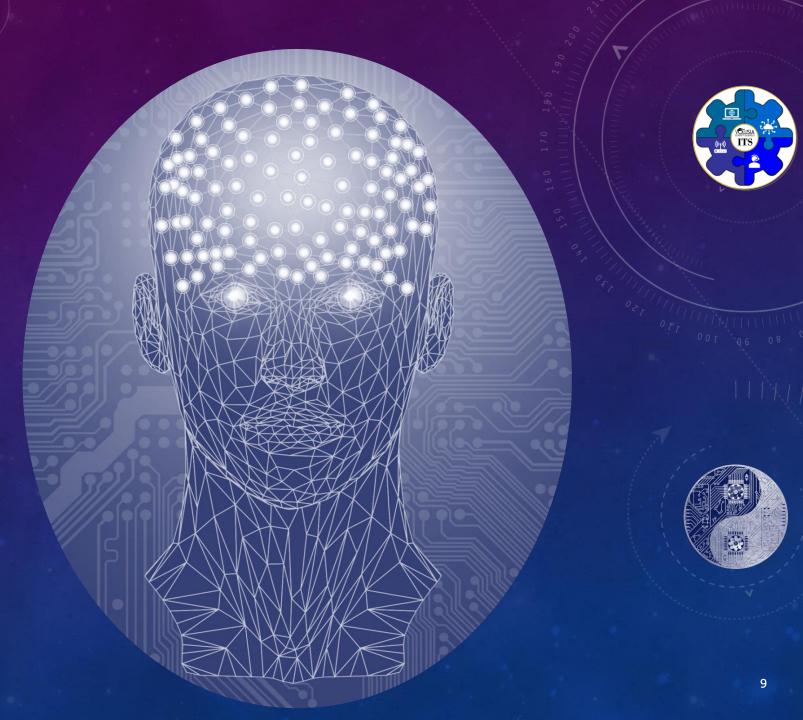
3. Resource Selection, Design, and Implementation

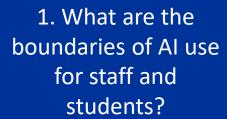
- 1. Board Policy
 - Do's & Don'ts for Staff
 - Vision for Student Use

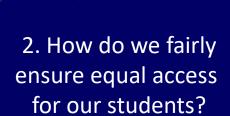


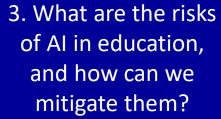
AI DISCUSSION

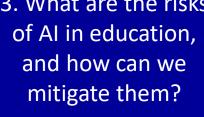
- Form groups of three
- Once your group has been formed, nominate a group leader
- The group leader will get a discussion question number from the session presenters

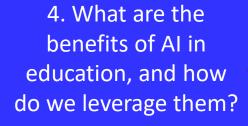




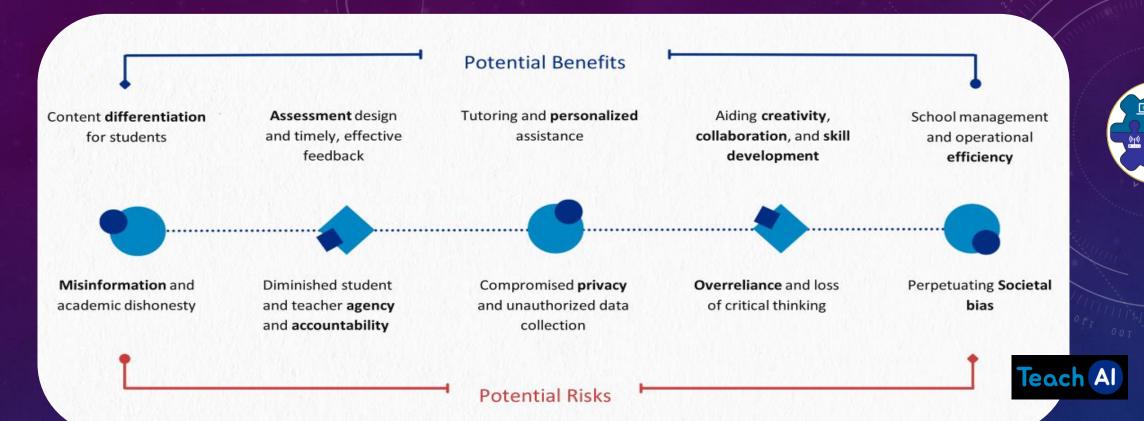








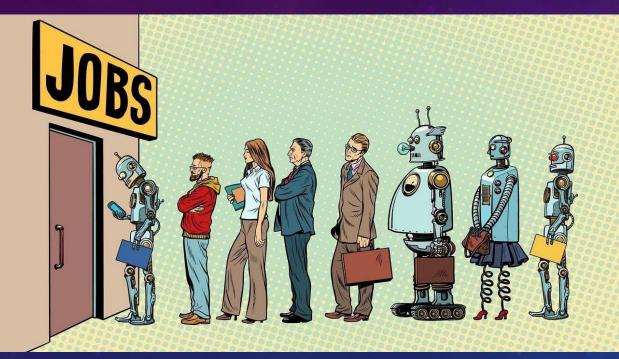




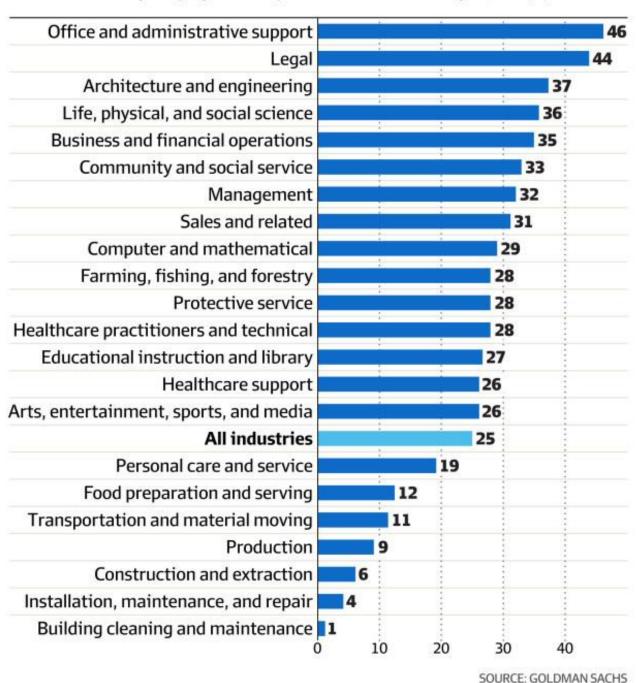
- 1. Like any new information, students should be taught to think skeptically of unfamiliar sources. They should learn to corroborate information with multiple trustworthy sources.
- 2. Important decisions should always involve a human with the final authority and responsibility for making decisions about the use of AI content, ensuring a "human is in the loop."
- 3. Like other online systems, students should refrain from sharing personal identifying information with AI systems and report any suspicious AI behavior to a responsible adult.
- 4. Al should be thought of as a tool to critically build upon, not replace, one's academic work.
- 5. To reduce the effects of bias in AI tools, we need to teach students how to critically assess AI content.



ARE WE PREPARING STUDENTS FOR AN AI AUGMENTED WORLD?



Share of industry employment exposed to automation by AI, US (%)



Deepfakes spell trouble for leaders. Here's some advice

Last month, a high school principal was recorded muttering racist and antisemitic comments. Except he was framed—and generative AI is to blame.

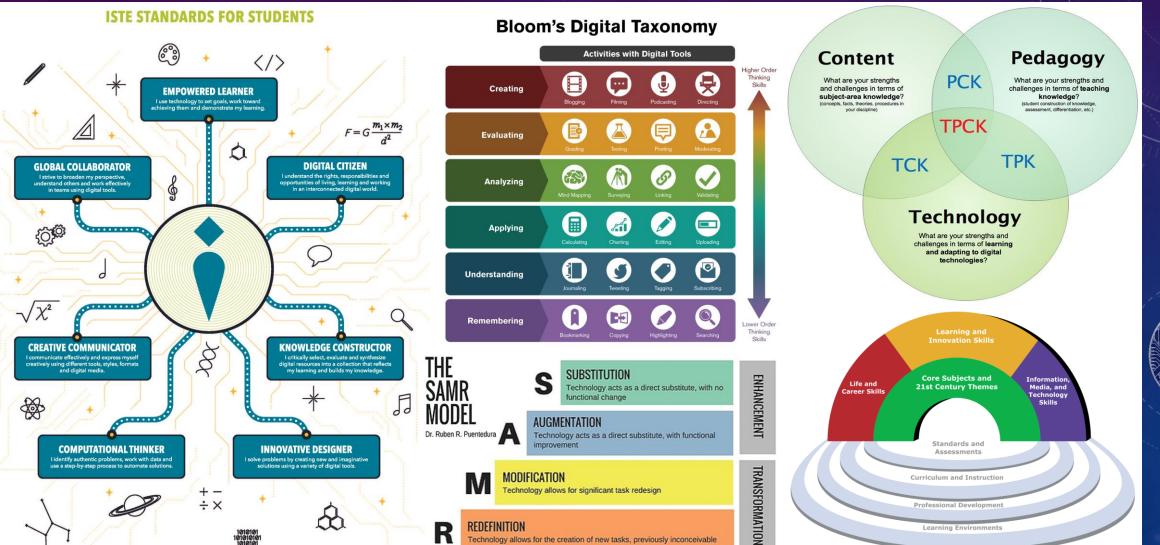
By Micah Ward May 14, 2024







EDUCATIONAL TECHNOLOGY TAXONOMIES – HOW WILL ARTIFICIAL INTELLIGENCE INTEGRATE WITH THEM?

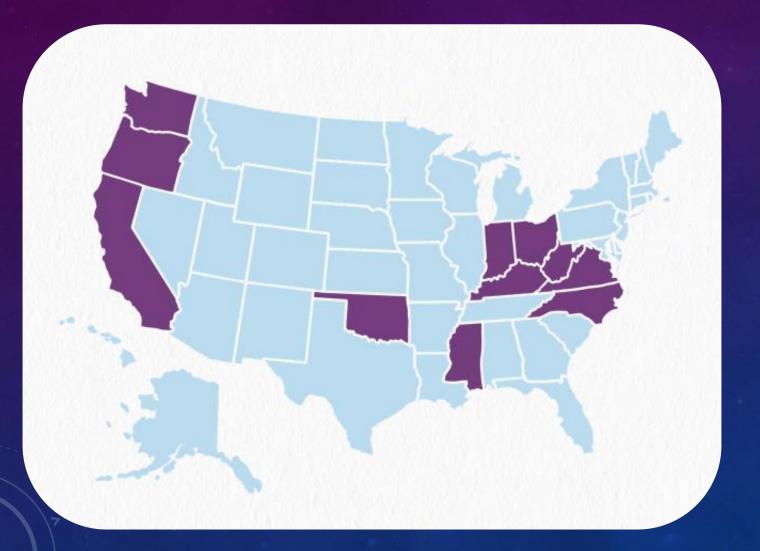






PROVIDE GUIDANCE – WHICH STATES HAVE DONE SO?





As of April 2024, 11 states have provided Al guidance to their school districts.



EARLY GUIDANCE

- Clear guidelines on Al use: Go over the high points a <u>Staff and Student Use of Artificial Intelligence</u> policy with teachers.
- Discussions on Al use: Foster open discussions among teachers about Al use cases, challenges, and best practices.
- Privacy and security: Ensure teachers prioritize student data privacy and security when using AI tools.
- Al literacy for teachers: Encourage teachers to learn how Al works, its limitations, and potential biases. This empowers them to use Al effectively and critically.
- Align Al with curriculum: Emphasize that Al tools should supplement, not replace, core instruction. Maintain human decision-making.



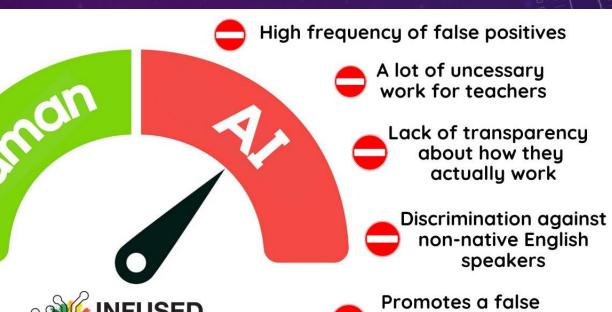
WHY AI DETECTORS ARE PROBLEMATIC

(AND WHAT TO DO INSTEAD)

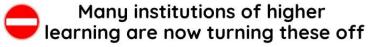


Collect writing samples throughout the year to use as growth indicators

- Capture student reflections on the AI collaboration process
- Think of collaboration 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







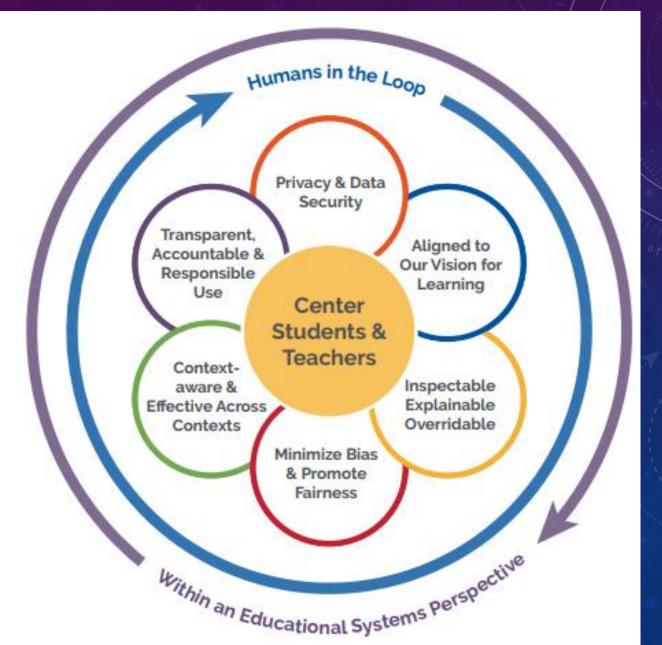




Al Tools for Teachers



CHOOSE AI-ENHANCING TOOLS WISELY







CLOSING THOUGHTS



"We have been thrust into the top four levels of Bloom's taxonomy of educational objectives together, and it's a pretty exciting place to be."

- Stacie Marvin, Presidential Award Winner for Excellence in Mathematics and Science Teaching "Artificial intelligence is not a substitute for human intelligence; it is a tool to amplify human creativity and ingenuity."

Fei-Fei Li, Co-Director of theStanford Institute for Human-Centered Artificial Intelligence



RESOURCES



- What Themes Are Emerging from State AI Guidance?
- 6 Productivity Tools Every Teacher Should Know About
- How AI Could Save (Not Destroy) Education by Sal Khan | TED
- Bringing AI to School: Tips for School Leaders (ISTE)
- LA County Office of Education Generative Artificial Intelligence in TK-12 Education Guidelines

