

Handling Artificial Intelligence in Schools Responsibly

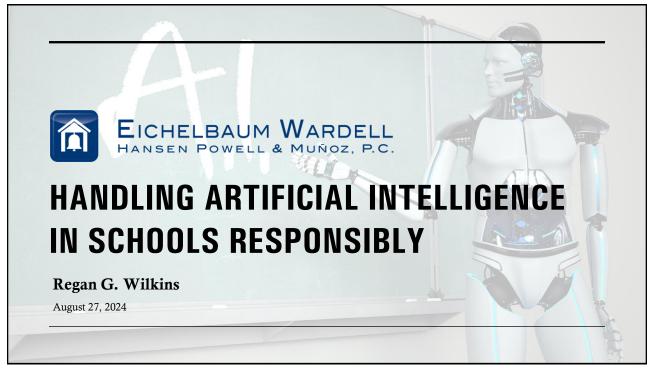
Presented by: Regan G. Wilkins August 27, 2024

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AGENDA

- Speaker Introduction
- What is Artificial Intelligence (AI)?
- Privacy Implications (Teacher Issue)
- Impact on Copyright
- Preventing AI Abuse by Students
- How to Adapt District Policy?

SPEAKER INTRODUCTION



- Regan G. Wilkins
- Licensed School and Intellectual Property Law Attorney at Eichelbaum Wardell Hansen Powell & Muñoz, P.C.
- Member of:
 - State Bar of Texas, School Law Section
 - State Bar of Texas, Intellectual Property Law Section
 - Texas Council of School Attorneys
 - American Intellectual Property Law Association
 - International Trademark Association
 - Dallas Bar Association



DISCLAIMER: This presentation contains accounts of sexual violence, abuse, and assault. All pictures, graphics, and any other visual media are for presentation purposes only and do not represent, portray, or intend to portray any figures, officials, or students in the provided cases. All similarities are pure coincidence, and all images, charts, or maps are duly obtained through creative commons.

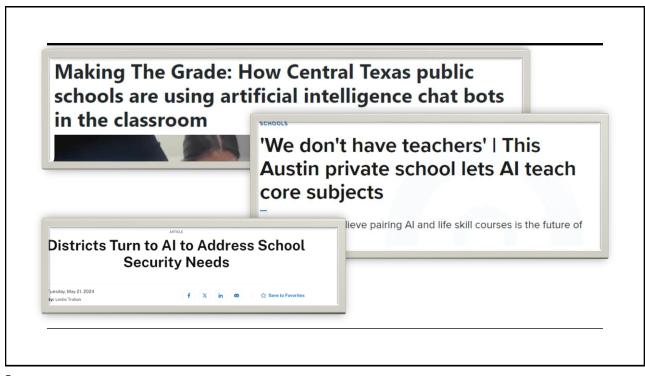
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Texas Government Code

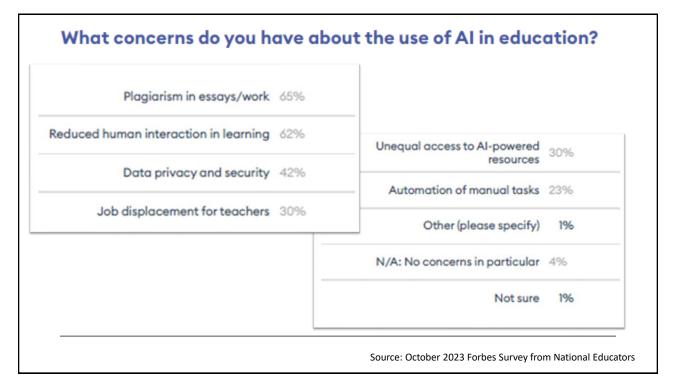
§ 2054.601. Use of Next Generation Technology

Currentness

Each state agency and local government shall, in the administration of the agency or local government, consider using next generation technologies, including cryptocurrency, blockchain technology, robotic process automation, and artificial intelligence.

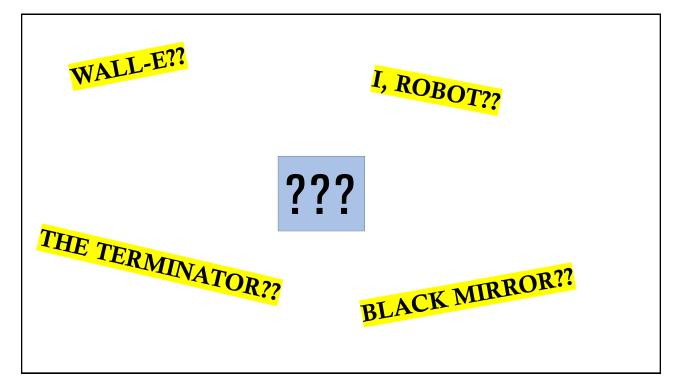


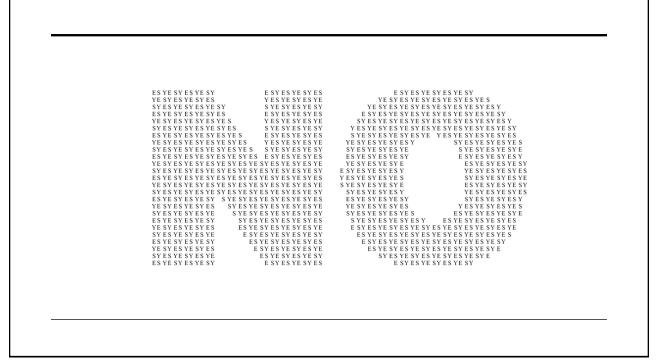
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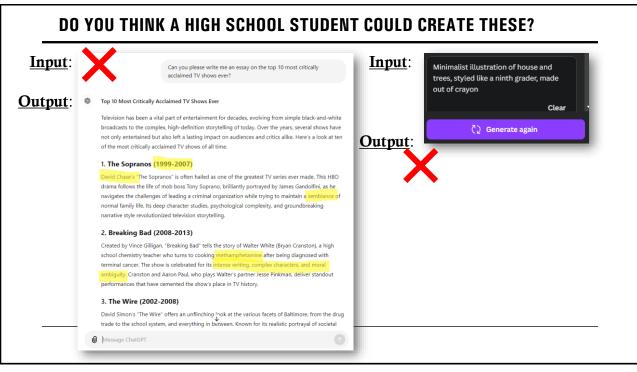


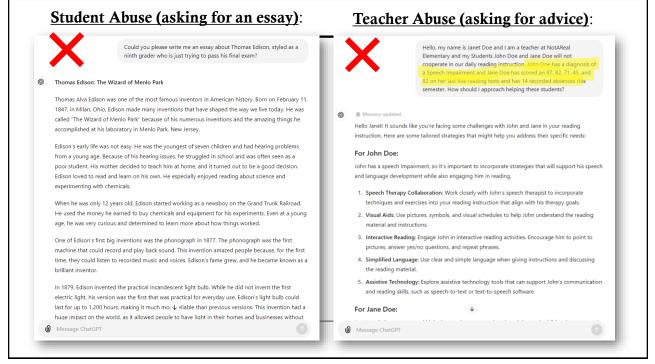


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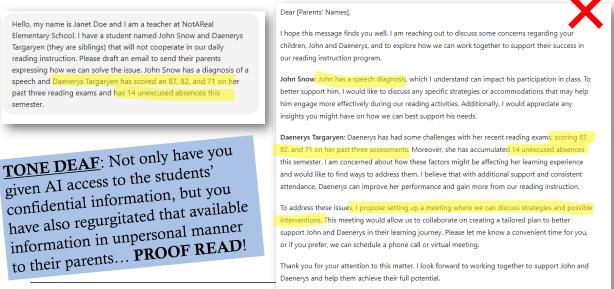
WHAT EXACTLY IS ARTIFICIAL INTELLIGENCE?

- "Artificial intelligence, or AI, is technology that enables computers and machines to *simulate* human intelligence and problem-solving capabilities."
 - Based on algorithms, data, and online resources
- A user puts in an "**input**" (similar to a "Google search") and the AI spits out an "**output**" that is often **VERY** similar to what an actual person would create or produce.
- · Certain AI systems can emulate human creation, speech, imagery, research, and writing
 - ChatGPT, Canva, Google Gemini, Microsoft Copilot, CrAIyon, etc.
- In other words, these systems use science and **TONS** of data to copy (sometimes indistinguishably) what a human could do for themselves.



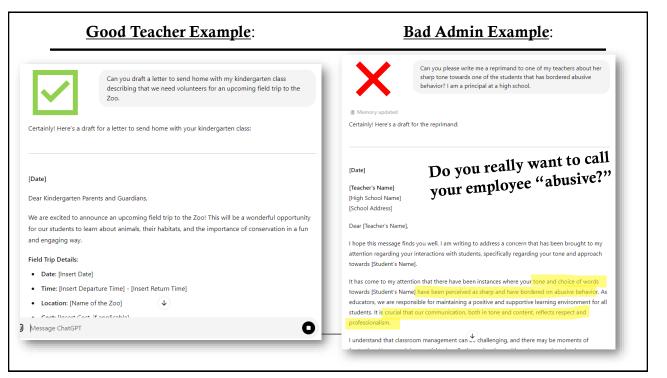


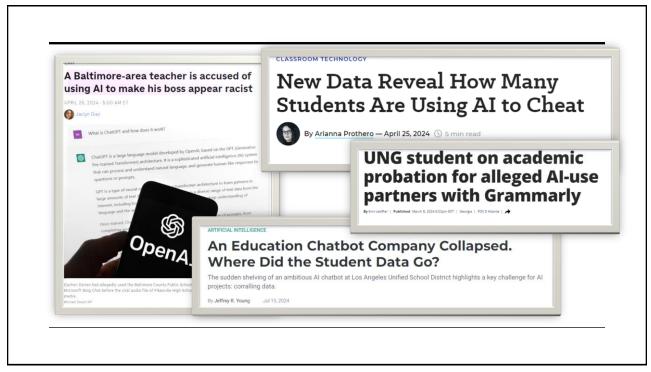
Teacher Abuse for Email (asking for an email):

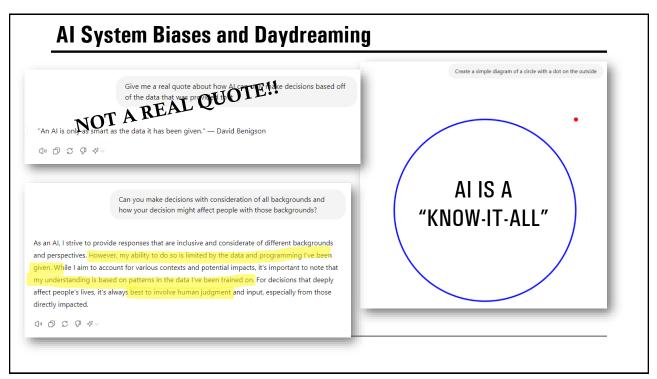


Best regards,

J.







AI AS A "RESOURCE" IN PUBLIC SCHOOLS

Student Engagement

- Creating/brainstorming engaging content for students to learn from
- Ex: using generative AI to "visualize" historic events

• Lessening the Burden of Administrative Tasks

- Automation of certain tasks to save time
- Ex: using off-line AI to track attendance

• "Personalized" Lesson-Planning

- Ex: Using non-descriptive inputs into AI to create potential ideas for certain students

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AI AS A "RESOURCE" IN PUBLIC SCHOOLS

- Classroom Support
 - With the teacher shortage, AI gives student's an additional resource to search for answers to their questions*
 - *ALWAYS supervise what has been produced by AI for a student (i.e. daydreaming, inappropriate responses, etc.)
- Assistive Technology and Data Analysis
 - AI could provide an additional set of "eyes" to spotting educational trends for the District and overall progress for certain Students.

"Templating" Official Documents

- Ex: allowing AI to create the first draft of a teacher remand or email.. PROOF READ

AI AND PRIVACY

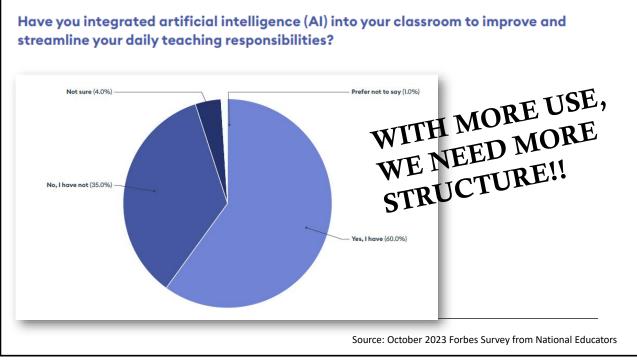
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AI IS A MEGAPHONE, NOT A PERSONAL JOURNAL!

HiddenLayer AI Threat Landscape Report Finds That 77% of Companies Identified Breaches to Their AI in the Past Year



Source: HiddenLayer 2024 AI Threat Landscape Report



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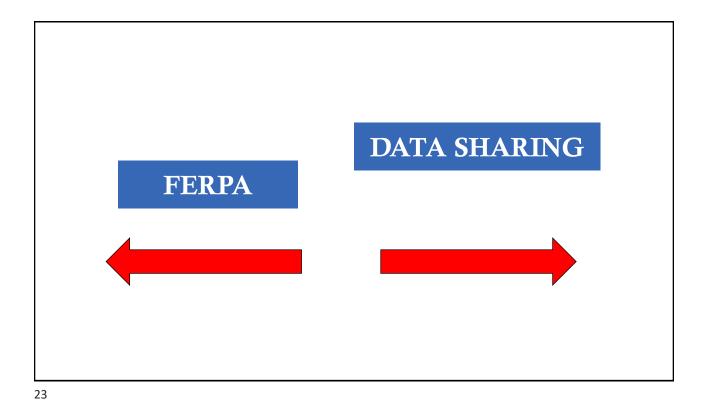
EXAMPLES OF AI "INPUT" GUIDELINES

Technology partners

Canva uses technology provided by third party service providers to provide some of our AI Products. You acknowledge that any Input you provide, including any personal data you choose to include within that Input, will be shared with third party service providers we engage to enable functionality within the Service. By using the AI Products, you direct and consent to personal data you include in an Input being transferred to third parties, including OpenAI, LLC. in the United States, which depending on where you reside, may not provide the same level of protection for your personal data.

Subject to your Privacy Settings, we may also share your data with select third party service providers we engage to enable functionality within the Service and they may also use your data to improve their services. This may include any personal data you choose to include within such Input and you acknowledge that our <u>Privacy Policy</u> applies to the handling of such personal data.

Source: Canvas Terms of Service



FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

- FERPA prohibits the disclosure of a student's "**protected information**" to a third party.
 - Includes via electronic transmission
 - a "third party" includes **any** individual or **organization** other than the student or the student's parent(s).
- Protected information is further divided into <u>three sub-categories</u>:
 - Educational Information
 - Personally Identifiable Information
 - Directory Information

WHICH CATEGORY OF INFORMATION WOULD IT BE OKAY TO PUT INTO AN AI SOFTWARE?

GUIDANCE ON APPROPRIATE TEACHER USE

- DO NOT put ANY student information into an AI system
 - In usage, use "Jane/John Doe" and refrain from inputting key identifiers.
 - Promulgate "ideas" not "specific solutions"
- **CONSULT** with IT and **provide log-in information** for teachers of the district that will be using AI in their daily work.
- For school districts, **ESTABLISH** a centralized AI system management process (work email-based or central tracking).
 - Records of teachers' usage, search history, and accounts are critical.
- **TRAIN** your staff on appropriate AI searches/procedures and that any searches are **NOT** confidential, as well as the limitations that AI poses.

GUIDANCE ON APPROPRIATE TEACHER USE

- **TRACK** implementation into the daily curriculum by district staff (surveys, lesson planning agendas, student responses to AI-generated suggestions etc.)
- ALWAYS fact check your searches! AI bias and "day-dreaming" are real.
- If a central system is set up, **WATCH** for data breach notifications and **ACT SWIFTLY** to identify which information was compromised.
- USE ARTIFICIAL INTELLIGENCE AS A TOOL, NOT A CRUTCH!!!

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COPYRIGHT AND AI

DILEMMAS IN THE WORLD OF COPYRIGHT

- Recently, there has been a huge discussion on whether an AI model can be the "owner" of a copyrightable work.
 - <u>If</u> they were deemed an "owner," they could enforce the bundle of rights associated with the copyrighted work and **prevent others from using such works**
 - Bundle of Rights: reproduction, adaptation, publication, performance, and display.
- However, a Federal Circuit case has ruled that AI systems **DO NOT** operate in the same capacity that a human would and <u>cannot</u> enforce their "rights" surrounding the generated output.
 - Great news for those that would like to use AI-generated material publicly.
 - This also punts the usage from the IP-realm to the legal realm of "privacy law"



DILEMMAS IN THE WORLD OF COPYRIGHT (CONT.)

- Can a school district use an AI-generated work **without** violating the copyright of the AI-generated work **itself**?
 - Yes. AI-generated works cannot be copyrighted.
- <u>Can an AI-generated work that was "based on a copyrighted work" subject a user</u> to an infringement claim?
 - It depends. The Courts and Copyright Office are currently determining the issue.
 - If the Court's decide that an AI model can infringe registered copyrights, this would be **bad news for users of AI that was "trained" the copyrighted material**. (vicarious infringement).
 - Courts currently held up on the idea that "AI cannot be an author" and therefore "cannot infringe another's work."

MY ADVICE: WAIT ON USING GENERATIVE AI!

LET THE COURTS FLUSH OUT THE GENERATIVE AI/COPYRIGHT ISSUES **BEFORE** EXPOSING YOURSELF TO FUTURE LIABILITY

PRIMARY COPYRIGHT POINT FOR NOW (AND THE FUTURE)

PRIVACY CONSIDERATIONS

- Is the work attempting to use **another person's "image" publicly for the district's own benefit**? Everybody, including public figures, have some degrees of control over their likeness.
 - Interpret "benefit" very loosely (i.e. supporting local athletes' fundraisers *could* be interpreted as "benefiting the district" even though it is not a direct or commercial benefit)
- **Bad Example**: Generating an AI image of "**LeBron James dunking a basketball while wearing** *purple and yellow*" and posting the image online to support your high school basketball team's fundraiser.
- Risky Example: Generating an AI image of "somebody that looks a little like LeBron James dunking a basketball while wearing black and red" and posting the image online to support your district's "sports" fundraiser.
- Good Example: Generating an AI image of "a woman and man taking a jump shot wearing purple and yellow" and posting the image online to support your high school basketball team's fundraiser.

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TIP: READ THE TERMS OF SERVICE AND LOOK FOR WATERMARKS ON WHAT YOU GET BACK FROM AI

- Ensure that you look for images (made by real people) that are **NOT** too similar to "already copyrighted works."
- Read the Terms of Use to determine if the AI creator has "contracted away your right to use the AI images commercially."
 - *Ex*: "By using DALL-E, you agree to not use any generated image for commercial gain"



ALSO MAKE SURE THAT WHAT YOU GET BACK DOESN'T LOOK LIKE EXISTING TRADEMARKS

AI IS **NOT** A "FILTER" TO CIRCUMVENT THE LAW.

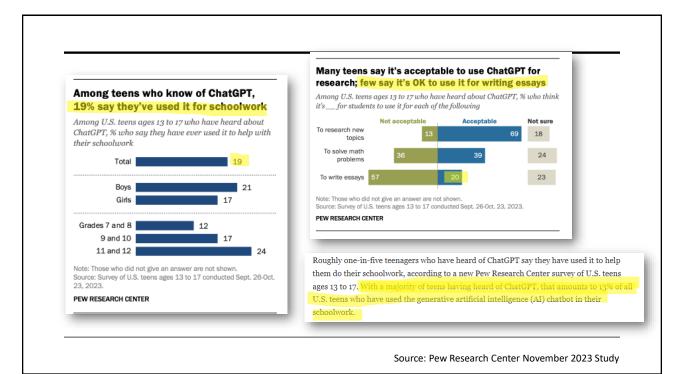
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OTHER ADVICE FOR THE FUTURE

- USE YOUR COMMON SENSE AND "PROOF-VIEW" THE GENERATED OUPUT!!
 - Deduce what the "common viewer would see the image as," <u>NOT</u> what you "put as the input"....
- **READ** the Terms of Service for the AI that you used.
- Using generative AI as a "filter" to avoid copyright or other legal barriers is **NOT** an adequate course of action and will get you sued.
- Again, **WAIT** for the courts to decide whether an AI user can violate copyright before implementing the broad use of generative AI

PREVENTING AI ABUSE BY STUDENTS





Sample EIA (LOCAL) Policy:

Academic Dishonesty

A student found to have engaged in academic dishonesty may be subject to grade penalties on assignments or tests and disciplinary penalties in accordance with the Student Code of Conduct. Academic dishonesty includes cheating or copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or another supervising professional employee, taking into consideration written materials, observation, or information from students.

Sample Student Code of Conduct Provision:

Miscellaneous Uttenses

Students shall not:

- Violate dress and grooming standards as communicated in the Student Handbook.
 Engage in academic dishonesty, which includes cheating or copying the work of another student, plagiarism, and unauthorized communication between students during an examination.
- Gamble.
- Falsify records, passes, or other school-related documents.
- Engage in actions or demonstrations that substantially disrupt or materially interfere with school activities.

Repeatedly violate other communicated campus or classroom standards of conduct.
 The district may impose campus or classroom rules in addition to those found in the Code.
 These rules may be posted in classrooms or given to the student and may or may not constitute violations of the Code.

RECOMMENDATION: Insert language into your Local Board Policy and Student Code of Conduct that *prohibits* students from copying AI generations into their coursework.

However, whether to implement a **TOTAL** ban on AI usage is a district-to-district preference!

	The Descent into Savagery: An Analysis of "Lord of the Flies"
	Introduction
HOW TO SPOT AI CHEATING	"Lord of the Flies," a novel by William Golding, is a profound commentary on human nature and society. Published in 1954, the story is set on a deserted island where a group of British schoolboys find themselves stranded without any adult supervision. The novel explores themes of civilization
• Fact Check the Material.	versus savagery, the loss of innocence, and the inherent evil within humanity. Through the characte and their actions, Golding presents a bleak view of human nature and the thin veneer of civilization
• Factual Overload.	Civilization vs. Savagery
Perfect Sentence Structure.	One of the central themes in "Lord of the Flies" is the conflict between civilization and savagery. The
• Few Grammatical Mistakes.	boys initially attempt to establish a semblance of order and society by electing Ralph as their leader
• Section Division and Titles.	and creating rules. The conch shell, which symbolizes authority and order, becomes a tool for maintaining this fragile civilization. However, as the novel progresses, the boys' civilized behavior
• Dramatic Increase in Student's Work's Quality.	begins to erode.
Copy-and-Paste Errors by Student.	Jack, who represents the pull toward savagery, gradually undermines Ralph's authority. His obsessic with hunting and the thrill of the kill illustrate a descent into barbarism. The transformation is starkl
• Repetition.	depicted when the boys, initially hesitant to kill a pig, eventually revel in the brutality of the hunt. Th painted faces and ritualistic dances further symbolize their complete embrace of savagery.
• Lack of Emotion in the Writing.	painted faces and ritualistic dances further symbolize their complete embrace of savagery.
• Use of a Plagiarism Detection Software	Loss of innocence
-	depicted as typical children, innocent and playful. However, the absence of societal constraints lead
	to a rapid descent into violence and cruelty. The killing of Simon, who symbolizes innate goodness,
	marks a pivotal moment in the novel. Simon's death, mistaken for the mythical "beast," highlights the boys' loss of moral compass and the over $\int \Phi_{erring}$ influence of fear and hysteria.
	are boys loss of moral compass and the overp thing initialice of real and hysteria.

RECOMMENDATIONS

	Case Studies Documentation Go To Dashbasani	
		1995 AL CONTENT DETECTION ACCURACY >
AI-GENERATED CONTENT DETECTION		Our Accurate Al Checker, Plagiarism Checker
Machine learning models to	0	and Fact Checker Lets You Publish with Integrity
detect Al-generated content		At Originality ai we provide a complete toolset that helps Website Owners, Content Marketers, Writers and Publishers hit <u>Publish with Integrity</u> in the world of Generative Al!
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MAJOR TIPS		
	e plagiarism checkers (<i>data</i>	a sharing)
- DO NOT use free		a sharing) ted, NOT for every submission!!
- DO NOT use free - Only use AI chec	ckers when AI use is suspec	



CONCLUSIONS: ADAPTING DISTRICT POLICY ATTACK "dishonesty," NOT "artificial intelligence itself" in the Board Policy and Student Handbook. Appropriate language is *already* included in most Texas Board Policies. **Potential solution**: LIMIT student access to artificial intelligence software on school-wide technology. **Potential solution**: IMPLEMENT teacher usage of offline AI-detection technology software for written assignments Emphasis on "off-line," as inserting student writing assignments into an "online" software

could be akin to putting a student educational record into an online AI!

THANK YOU



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