

GENERATIVE AI GUIDANCE

POSSIBILITIES & RESPONSIBILITIES

The Hillsboro School District recognizes the potential of Artificial Intelligence (AI) to enhance learning for students and increase efficiency for educators. AI can empower students by aiding research, fostering idea development, and promoting engagement with schoolwork. For educators, AI's automation of time-consuming tasks enables a greater focus on instruction, mentorship, and building strong relationships with students. This rapidly evolving technology is already integrated into our daily lives, powering voice assistants, tailoring streaming recommendations, and curating social media feeds. AI's transformative power extends across diverse professional fields, from healthcare and finance to manufacturing and the creative arts, reshaping how we work and live. Understanding AI's capabilities and ensuring its responsible use is crucial to unlocking its full potential in education and preparing students for the future.



A BASIC UNDERSTANDING



What is Generative AI?

Generative AI (GenAI) is powered by complex computer algorithms that can create new content, like text, pictures, or music, based on your prompts. It's like a super efficient assistant for creative tasks.

How Does It Work?

GenAI utilizes **large language models** (LLMs), powered by **neural networks** and **machine learning** (ML) algorithms to learn from massive datasets. By identifying patterns within this data, much like a person researching and synthesizing info into a unique narrative, LLMs can generate creative content at unprecedented speed, due to their ability for lightning-fast calculations and predictions.

EMPOWERING LEARNING

GenAI tools have the potential to:

- **Personalize Learning:** AI tools can tailor lessons to individual student needs, scaffold learning, and help them learn at their own pace.
- **Automate Tasks:** Teachers can use AI to streamline feedback, grading, and the creation of engaging materials, freeing up more time for direct student interaction.
- **Prepare for the Future:** Students develop essential 21st-century skills, including critical thinking, problem-solving, and digital literacy, empowering them to thrive in an ever-changing world. Understanding and utilizing AI prepares students for the AI-driven careers of tomorrow.



ENSURING RESPONSIBLE USE

HSD supports the human-centered and ethical use of AI. With teacher permission, students may utilize AI tools, provided they credit AI-generated content and adhere to school guidelines. To promote academic integrity, educators should design assignments that foster critical thinking and original work, recognizing that no AI detection software is foolproof and should not be the sole basis for determining potential violations of HSD's academic integrity policy.

Educators:

- **Model Ethical AI Use:** Demonstrate how you use AI responsibly in your own work.
- **Guide and Support:** Help students understand how to leverage AI ethically and effectively, promoting academic integrity and digital citizenship.
- **Foster Critical Thinking:** Encourage students to question AI-generated information and evaluate its accuracy and potential biases.

Students:

- **Think for Yourself:** Use AI to enhance, not replace, your learning. Think critically about AI-generated information.
- **Be Creative:** Use AI to spark creativity, but don't let it do all the work. Your own ideas and perspectives are valuable!
- **Give Credit:** If you use AI to generate content, acknowledge it. Clearly state how you used AI tools and why. This is essential for maintaining academic integrity.

Considerations

It's important to remember that AI, while powerful, has aspects that require our attention: it's not always accurate or unbiased, necessitating ethical considerations and human oversight (human in the loop) when evaluating AI-generated content. Understanding its potential and limitations allows for responsible use that can enhance learning and productivity.

PROTECTING PRIVACY



While AI offers exciting possibilities for enhancing education, it's crucial to prioritize the privacy and data security of staff and students. To safeguard confidential information, avoid inputting any personally identifiable information into AI systems.

Remember:

Federal student data privacy laws, like FERPA and COPPA, must be followed when using AI tools with student information. Think carefully about what information you choose to share with AI tools. Once data is entered, you lose control over how it might be used or shared. Remember to prioritize student privacy – when in doubt, leave it out.

Protected Info:

- Student Grades
- Health Records
- Student IDs
- Birthdates
- Social Security #

RESOURCES

- [Oregon Department of Education: Generative Artificial Intelligence \(AI\) in K-12 Classrooms](#)
- [Office of Educational Technology: Artificial Intelligence and the Future of teaching and Learning](#)
- [AI 101 for Teachers](#) | Playlist: [How AI Works](#)
- [Generative AI for Educators](#)

