

GENERATIVE AI

Considerations For the Use of Generative AI for Teaching & Learning

WHAT IS AI?

Artificial Intelligence (AI) is broad term that refers to computer systems or programs that are capable of performing tasks traditionally associated with human intelligence.

AI is powered by data and adapts to new data quickly. The more data it has, the better the tool can **recognize patterns, make predictions, and take actions**. It is very good at *mimicking* human decision making.

AI is impressive, but it IS NOT human. It cannot truly think or understand feelings.

DEFINITIONS + ACRONYMS

LLM - Large Language Model

Large language models (LLMs) are a category of foundation models trained on immense amounts of text-based data, making them capable of understanding and generating natural language and other types of content to perform a wide range of tasks. Examples: ChatGPT, Google Gemini

Hallucinations

Inaccuracies or misleading results produced by AI models, caused by limited training data or biases in the training data.

PII - Personally Identifying Information

Information that can be used to identify a person, even when combined with other data sets (e.g. name, email, employee or student number, birthdate, address, etc.)

Generative AI

A type of AI whose primary purpose is to accept input, process the input through probabilistic algorithms, and use the result to generate new output that resembles human-made intellectual or creative work, such as writing or art. Large language models (chatbots) are an example of generative AI.

HOW CAN I USE AI TOOLS SAFELY AND ETHICALLY?

DATA PRIVACY

Read terms of service. If data you input is used to train the AI model (and it usually is!), then *think* before you *prompt*.

→ **Never enter student or employee Personally Identifying Information (PII)** in LLMs.

- ◆ This includes names, addresses, phone numbers, employee/student numbers, social security numbers, IEP information, discipline information, health information, pictures, and any other information that could be used to identify an individual.
- ◆ LLMs collect data to use for training the model and may be reviewed by humans. Consider information you give LLMs to be "public" for all intents and purposes.

→ **Do not share copyrighted or proprietary information** from district-purchased resources or textbooks in AI apps..

- ◆ This includes excerpts, summaries, or any other content protected by copyright or terms of service agreements. Sharing such information with sites that use could constitute a copyright infringement.



*Image created with Google Gemini.



CRAFT A GOOD PROMPT!

Modified from the CRAFT framework originated by Vera Cubero.



CONTEXT

Provide specific detail (e.g. word limits, time frames, lists of relevant information, references, standards, etc.), as if directing an assistant.



ROLE

Who has experience with this? Tell the AI to "*act as a _____*" and give it specific role, including experience-level.



AUDIENCE

Who is it for? Describe the audience (e.g. 7th grade student, school board, 4th grade parents, EL teachers, supervisor, etc.)



FORMAT

What do you want it to create? Story, poem, rhyme, song, HTML, style, image, outline, etc.



TASK/TONE

What do you want it to do and/or how do you want it to sound? Critique, create, edit, revise, brainstorm, outline, evaluate; caring, friendly, professional, etc.

INFORMATION LITERACY

Always fact-check AI outputs using other trusted sources of information.

- **Check the information** for inaccuracy, hallucinations, and bias
- ◆ LLMs return text based on predictions, not exact content that already exists like search engines do. An LLM may return text that sounds great, but is not factually correct.
 - ◆ Verify all quotes, statistics, and resources.
 - ◆ Report any bias detected to the company that produces the tool

→ **Mitigate potential bias with good prompting techniques**

DIGITAL CITIZENSHIP

Technology should enhance learning, not replace it. All learners should maintain a high standard of academic honesty and never lay claim to work that isn't actually their own.

→ **Give credit where credit is due**

- ◆ If traditional citations are required, follow citation rules. Otherwise, reference use of AI tools used or include a disclosure statement about how AI was used.

→ **Put your stamp on it**

- ◆ Using AI tools to generate content has many advantages. BUT don't let it rob you of your own learning. Add in your own knowledge, style, voice, or flavor to make it yours.



<https://psdr3.org/AI>

LEARN MORE!

AI is rapidly evolving. Check out website for detailed information, our AI Use Plan, and resources for staff.



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