

# Tech Snacks: Utilizing AI in the Classroom

With the increasing interest in AI in education, it is crucial for educators to learn how to effectively utilize AI tools to enhance the learner experience in the classroom. By understanding AI, educators can equip themselves and their students with the skills needed to thrive in an increasingly digital world.

## Key Terminology

**AI** - technology that enables computers to simulate human intelligence

**Generative** - a type of AI that creates content based on prompts

**ChatGPT** - a web-based AI tool that uses machine learning to generate human-like responses.

**Hallucination** - content created by AI tools that is inaccurate, incoherent, or nonsensical making the output unreliable (and unethical)

**Prompt** - input into the AI tool that is used to produce relevant output

**Bias** - prejudice in favor of or against something/one or group of things/persons / assumptions by an AI tool that distorts content generated (output)

**Transparency** - quality of being easily seen through

## Advantages and Challenges / Limitations of Using GenAI

### Advantages:

- Saves time / increases efficiency
- Automates simple tasks
- Builds confidence working with unfamiliar content
- Assistance in learning available 24-7
- Reduction of human error (potential)
- Take risks you're not willing to take (ask questions unwilling to ask a human)

### Challenges / Limitations:

- Ethical concerns / biased output
- Dependency / over reliance
- Data privacy
- Lack of transparency / Accused of plagiarism
- Lack of exploration
- Surrendering your voice / give up control of learning
- Output often isn't evaluated / taken for fact
- Continual change / evolving

## Ethical and Responsible Use of GenAI

With the use of AI comes the responsibility to use AI tools ethically and responsibly, especially if educators are bringing these tools into their classrooms with students.

→ [ISTE Standards](#) – International Society for Technology in Education

### Example Standards for Using GenAI Responsibly

- Align AI use with ISTE Standards
- Utilize Power Prompting when engineering an AI prompt
- Be transparent in the use of AI
- Evaluate the output generated by AI
- Utilize AI to support learning (not do your learning)

- Reference the use of AI tools
- [ChatGPT](#)

### **Evaluating GenAI Output**

- How to evaluate output □ ISTE Standard 1.3b
  - Accuracy / Validity / Bias / Relevance / Origin

### **Power Prompting**

- Designing input for a GenAI tool to produce a desired output
- The more specific your input (request), the better the tool can assist you in generating output (desired needs).
- Think of your interaction with the tool as an ongoing conversation.
- Elements of Power Prompting
  - Product
  - Style
  - Voice
  - Background
  - Refinement

## **Using GenAI to Enhance Learning**

AI tools can be used to enhance the student learning experience in multiple different ways.

### **AI-Inclusive vs. AI-Resistant Assignments**

- Integrating AI into curriculum
  - Summarizing reading
  - Creating outlines
  - Presenting other perspectives
  - Comparing work with a rubric
  - Evaluating work for suggested improvements
  - Rewording content
  - Generating examples to clarify content
- GenAI cannot... personalize, localize, interact with current information

### **Ways Students can be Transparent when Using GenAI**

- Communicate with professors on how GenAI is being used; ask for permission if necessary
- Submit ChatGPT transcripts with assignment
  - Copy and paste
  - Provide link

### **References:**

Digital Learning Annual Conference, February 2024  
ACUE AI Study Series, June 2024