

Librarians Leading the Way to AI Integration

Resources: <https://bit.ly/ucet24>



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Description: Extend information literacy to include AI and bring AI into your library and school. This session will focus on how librarians can transform their instruction to include AI evaluation, prompt generation, instruction strategies and more. Lead the way into the latest information age with AI.

Explore/Learn

How can you tell if it's AI?



"blue green and sparkles and the words "Librarians Leading the Way to AI Integration""prompt.
ideogram.ai v.1.0, Ideogram AI, 14 Mar. 2024,
ideogram.ai.



How can you tell if it's AI?

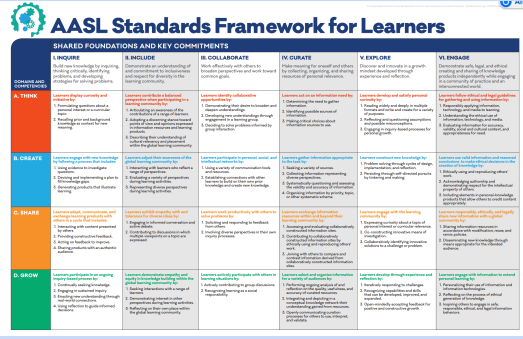
Waiting for responses ...

<https://www.menti.com/algd3vwz3azh>



Go to: [menti.com](https://www.menti.com) and join: 7645 3786

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<p>Artificial Intelligence (AI) defined “The theory and development of computer systems able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.”</p> <ul style="list-style-type: none"> - Oxford languages 	<p>What is AI?</p> <p>ChatGPT: Everything you need to know about the AI-powered chatbot (Techcrunch) Includes regular updates</p> <p>Visual: Components and subfields of AI from (Opportunities and Adoption Challenges of AI in the Construction Industry: A PRISMA Review)</p> <p>Webjunction: AI and Libraries (Aug 9, 2023)</p> <p>How Does Generative AI Work: A Deep Dive Into Generative AI Models (low tech explanation of different generative AI models)</p> <p>How AI Works Code.org</p>
<p>Examples</p>	<p>Google: 9 Ways We Use AI in Our Products</p> <p>Explore AI Demos of various types of AI (some require subscription access)</p> <p>Generative AI In Education (curation of AI tools - some free/some \$)</p>
<p>Standard</p>	 <p>AASL Standards Framework for Learners</p>

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Policies

Do you have AI policy in your district?

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[Schools Are Taking Too Long to Craft AI Policy. Why That's a Problem](#)

[AI Guidance for Schools Toolkit | TeachAI](#)

Clear course policies

 Syllabi Policies for AI Generative Tools
curated by John Sowash

KNOW that students are using AI
(study from ACT: [High School Students Use and Impressions of AI Tools](#))

Equitable access

What happens to learners who don't have access to AI?

Explain - Where do librarians fit in?

Connecting to the Standards: Inquire



[Shared Foundations: Inquire](#)

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Search vs. Generative AI

Some things never change:

Both require multiple iterations



"colorful bubble letters "not one and done""prompt.
ideogram.ai v.1.0, Ideogram AI, 19 Mar. 2024,
ideogram.ai.

Characteristics of search:

List of results
Concise search terms
Revise by using different terms or filtering
Able to evaluate each result

Characteristics of generative AI:

Compiled, natural language result
Prompt specificity
Revise conversationally
Are you able to evaluate the source?

Source

When to use - when do you use generative AI? When do you use search?

Search:

Verify information
Learn more about a specific topic
Using subscription databases

Generative AI:

The following are 10 ways that teachers might integrate AI tools into the inquiry process.

- + Gathering Background Information
- + Generating Questions
- + Engineering Prompts
- + Conducting Research
- + Planning for Research
- + Summarizing Content
- + Identifying Blind Spots
- + Analyzing Data
- + Synthesizing Ideas

[AI and Inquiry - AVID Open Access](#)

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Prompt generation

Elements of a Good Prompt

Act as a helpful tutor who breaks down complex subjects into easy explanations.

I want you to explain the process of photosynthesis to a 14 year old student, to assist with biology exam preparations.

Your answer should be 300 words, written in a tone that's friendly and educational.

Persona: Ask the tool to take a role
Objective: What do you want the AI to do
Audience: Specify who it's for
Context: What does the tool need to know
Boundaries: Set your own direction & limitation

Tip 1: Give Clear Instructions
Use commands that instruct the AI tool on what you want to generate, such as 'explain', 'translate', 'summarize' or 'compare'.

Tip 2: Provide Context
Adding context and background information can help the tool to understand the task better. For example, mention the project type such as 'short story', 'report' or 'outline'.

Tip 3: Iterate & Experiment
Try different instructions and techniques if you don't get the results you want. Prompting can be like an experiment that may require several rounds of iterations!

Adapted from OpenAI, Google, Anthropic, Microsoft, AI Safety and Research

Specificity – a good prompt will include the following parameters:

- Style (funny, professional)
- Type (email, essay)
- Length (500 words, 2 paragraph)
- Format (create a table)
- Point of view (like I'm a kindergartner)
- Image (specificity and order of words)

[Elements of a Good Prompt \(Microsoft\)](#)

[GitHub - microsoft/prompts-for-edu](https://github.com/microsoft/prompts-for-edu)

[Anthropic Prompt Library \(Claude ai\)](#)

[AI for Education Prompt Library](#)

Microsoft: [The art of the prompt: How to get the best out of generative AI](#)

How are you bringing AI into the Inquire domain?

<https://www.menti.com/algd3vwz3azh>



Go to: [menti.com](https://www.menti.com) and join: 7645 3786

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Connecting to the Standards: Include



[Shared Foundations: Include | AASL Standards](#)

Bias

From Dr. Torrey Trust: “Engage students in **investigating how generative AI tools are designed** (e.g., What data they are trained on? Why that data was selected? How will that data produce biased output?).

Encourage students to reflect upon **how biased AI output can shape thinking, learning, education, and society.**

Bonus: Ask students to design a code of ethics for AI developers in order to reduce the harms done by biased AI output.”

Resources:

- [Teacher and Student Guide to Analyzing AI Writing Tools](#)
- [Students Investigate How Artificial Intelligence Perpetuates Biases](#)
- [Confronting the Biases Embedded in Artificial Intelligence](#)

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	<ul style="list-style-type: none">• How AI reduces the world to stereotypes• COMIC: How a computer scientist fights bias in algorithms• AI in Education is a Public Problem• Teaching AI Ethics: Power & Hegemony <p>📄 AI & Ethics Presentation by Dr. Torrey T...</p> <p>"AI & Ethics" slide deck by Torrey Trust, Ph.D. is licensed under CC BY NC 4.0.</p> <p>Prompt examples with bias:</p> <p>How To Write Effective Prompts for Generative AI Tools - Center for Faculty Excellence Montana State University</p> <p>Resources - Stanford University</p> <ul style="list-style-type: none">LessonsExamplesBias
How are you bringing AI into the Include domain?	<p>https://www.menti.com/algd3vwz3azh</p>  <p>Go to: menti.com and join: 7645 3786</p>

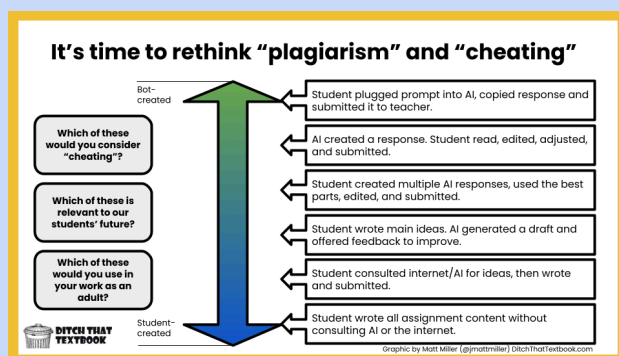
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Connecting to the Standards: Engage



Shared Foundations: Engage | AASL Standards

Ethics



Larger image from [ChatGPT, Chatbots and Artificial Intelligence in Education](#) by Matt Miller

[Scotty Breaks It Down: Ethical and Unethical Use of AI](#)


Considerations

Who owns the data?
Informed consent?

Data and Privacy:

AI & Ethics Presentation by Dr. Torrey T...

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	<p>"AI & Ethics" slide deck by Torrey Trust, Ph.D. is licensed under CC BY NC 4.0.</p>
Privacy	<p>Online privacy - who does the AI provider share your information with? When you're building queries, avoid using PII</p>
Evaluation	<p>Lateral reading SIFT</p> <p>Be MediaWise lesson 5: How to determine the credibility of a source on social media PBS NewsHour Classroom</p> <p>Citation verification Google scholar Subscription databases</p> <p>Media literacy Checkology 5th - adult Free Check for accuracy and trust Fabrications</p>
Citations	<p>MLA citation examples</p> <p>How to Cite ChatGPT and AI in APA Format</p>
How are you bringing AI into the Engage domain?	<p>https://www.menti.com/algd3vwz3azh</p>  <p>Go to: menti.com and join: 7645 3786</p>
Apply	
Explore ChatGTP	<p>Create a free account in ChatGPT</p> <p>Enter the following prompt into a generative AI tool: "List 5 potential uses of AI to support</p>

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	common administrative tasks in a library.”
Explore Copilot	<p>In Edge click on the squiggly square in the upper right corner</p> <p>You can:</p> <p>Chat Compose</p>
MagicSchool AI	<p>Teacher version</p> <p>Student version</p> <p>Compliant with FERPA and COPPA</p> <div data-bbox="812 724 1437 1071">  <p>Best Practices For Students Using AI</p> <p>Before being allowed access the MagicSchool Room, your students will have to click Accept to demonstrate that they understand the best practices for students using AI listed below.</p> <p>Use MagicSchool Responsibly</p> <p>Your Teacher Will See What You Ask The AI To Do: Please make sure to follow your school and classroom guidelines when interacting with the AI.</p> <p>Interacting With An AI Takes Practice: Be clear and specific about what you need, so the AI can give you a better answer. Try again if the first try isn't what you hoped for!</p> <p>AI is a Tool - Not a Replacement for Your Thinking: See AI-generated content as a starting point, not a final solution.</p> <p>Monitor for Bias and Accuracy: AI might occasionally produce biased or incorrect content. Always double-check outputs.</p> <p>Protect Privacy: Don't include personal details like names or addresses. We strive to promptly remove any accidentally submitted information.</p> <p>Accept ← Click Here</p> </div> <p>MagicSchool AI for Students training slides</p>
What is your favorite AI Tool?	<p>https://www.menti.com/algd3vwz3azh</p> <div data-bbox="812 1270 1055 1512">  </div> <p>Go to: menti.com and join: 7645 3786</p>
Learning resources for learners	<p>Unlock generative AI safely and responsibly—classroom toolkit Microsoft Learn</p> <p>PowerPoint Interactive 13-15 90 minutes total</p>

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	Daily - RAISE Middle school Lessons / interactives Free Resources to Teach Your Students about AI (Eric Curts, Control Alt Achieve) AI Challenges — aiEDU
Learn more for educators	AI for education Microsoft Learn (Microsoft) Introduction to Generative AI Learning Path (Google)