

AI LITERACY IN ACTION

USING AI CRITICALLY



Facilitator



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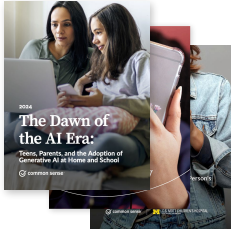
[Commonsense.org](https://www.commonsense.org)



Presentation Deck

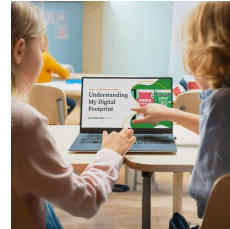


Common Sense is the leading advocate and trusted resource for kids' healthy development and responsible use of media and technology.



Research

Our research brings a fact-based, shared understanding that informs our work and resources.



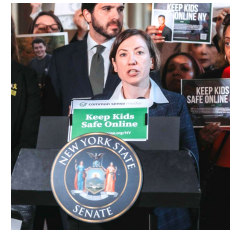
Education

We offer an award-winning Digital Literacy & Well-Being Curriculum for grades K-12.



Ratings

Our 45K+ ratings and reviews have been an independent, trusted source for families since 2003.



Advocacy

We drive reforms for a healthier, equitable, and empowering digital world for kids and families.

AI (Artificial Intelligence)



Computers that "**figure things out**" by recognizing patterns and creating outputs, like text, making images, music, or videos. It uses what it's learned from information online and the prompts given.





THANK YOU

Kids are growing up in a world
where tech use is affirming and
effortless.

Going to school is **NOT!**

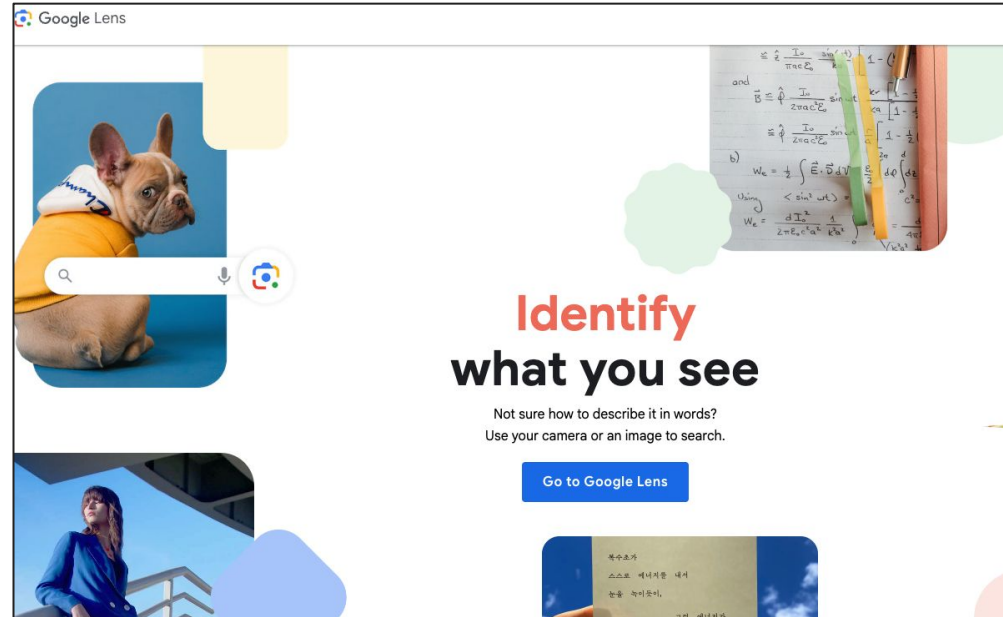


Cognitive Offloading

Information Offloading

"I don't need to remember it"

- Asking AI for summaries instead of reading
- Relying on AI explanations instead of classroom notes
- Searching instead of retaining concepts

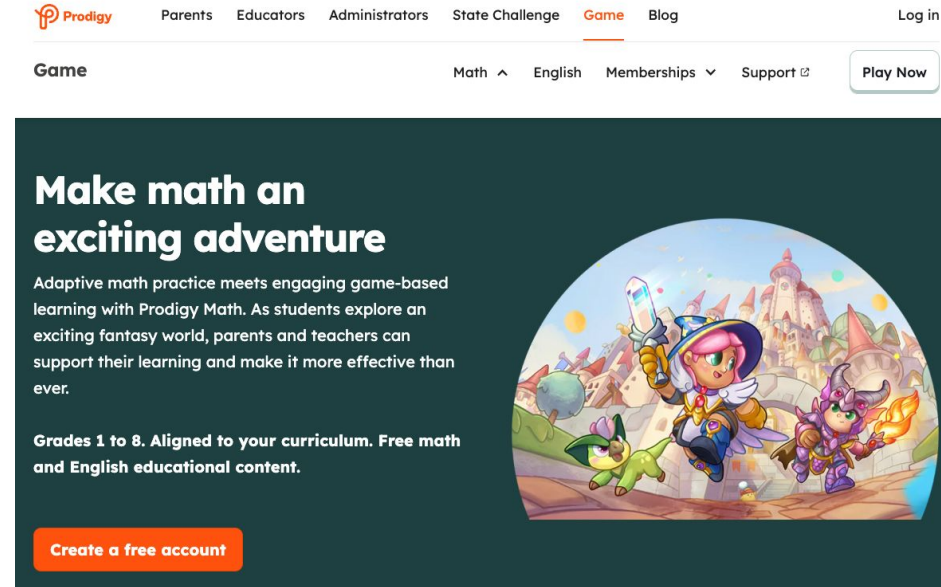


[Source](#)

Process Offloading

"I don't need to think through the steps"

- AI writing outlines
- Generating thesis statements
- Solving multistep problems



The screenshot shows the Prodigy website homepage. At the top, there is a navigation bar with the Prodigy logo and links for Parents, Educators, Administrators, State Challenge, Game (highlighted), and Blog. A 'Log in' link is in the top right corner. Below the navigation bar, there is a secondary menu with 'Game' (highlighted), 'Math' (with an upward arrow), 'English', 'Memberships' (with a downward arrow), and 'Support' (with an external link icon). A 'Play Now' button is located on the right side. The main content area features a dark green background with the headline 'Make math an exciting adventure' in white. Below the headline is a paragraph: 'Adaptive math practice meets engaging game-based learning with Prodigy Math. As students explore an exciting fantasy world, parents and teachers can support their learning and make it more effective than ever.' This is followed by another paragraph: 'Grades 1 to 8. Aligned to your curriculum. Free math and English educational content.' At the bottom left of the main content area is an orange button that says 'Create a free account'. On the right side of the main content area is a circular image showing three colorful, cartoonish characters in a fantasy setting with a castle in the background.

Prodigy

Parents Educators Administrators State Challenge **Game** Blog

Log in

Game Math ^ English Memberships v Support ↗

Play Now

Make math an exciting adventure

Adaptive math practice meets engaging game-based learning with Prodigy Math. As students explore an exciting fantasy world, parents and teachers can support their learning and make it more effective than ever.

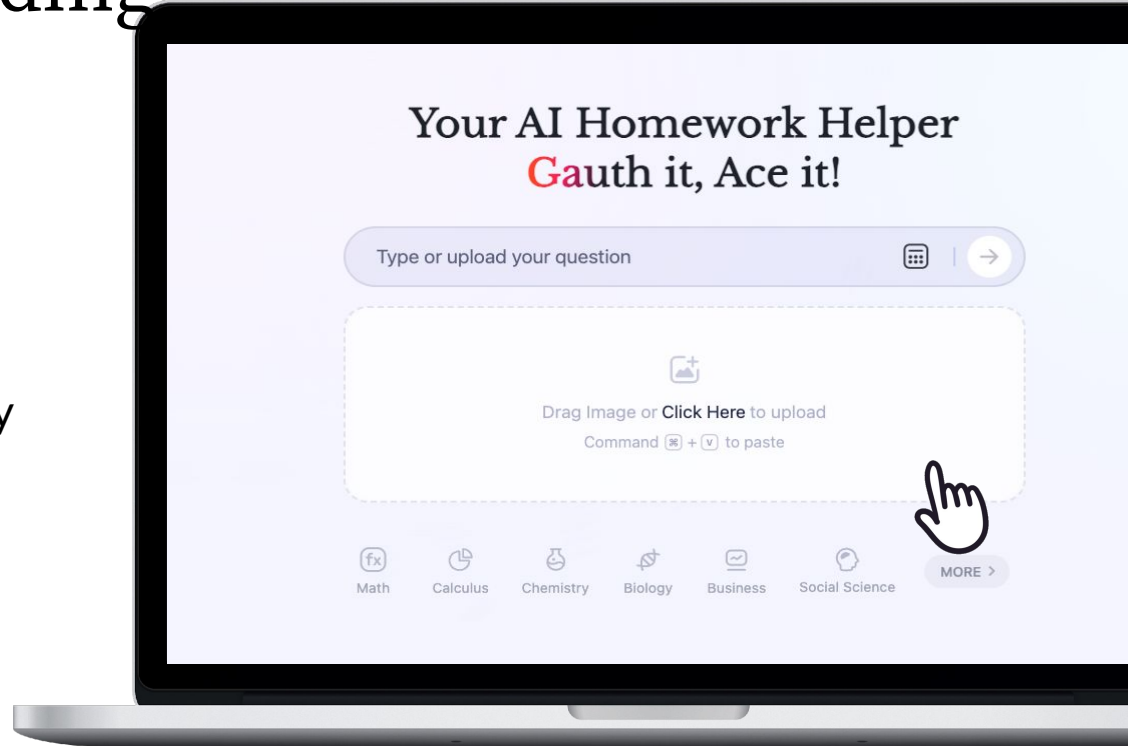
Grades 1 to 8. Aligned to your curriculum. Free math and English educational content.

Create a free account

Metacognitive Offloading

“I don’t need to monitor my own understanding.”

- Trusting AI outputs automatically
- Submitting work they don't understand
- Relying on AI revision without understanding mistakes



Essential AI Literacy Skills



Pattern
Recognition



Critical
Evaluation

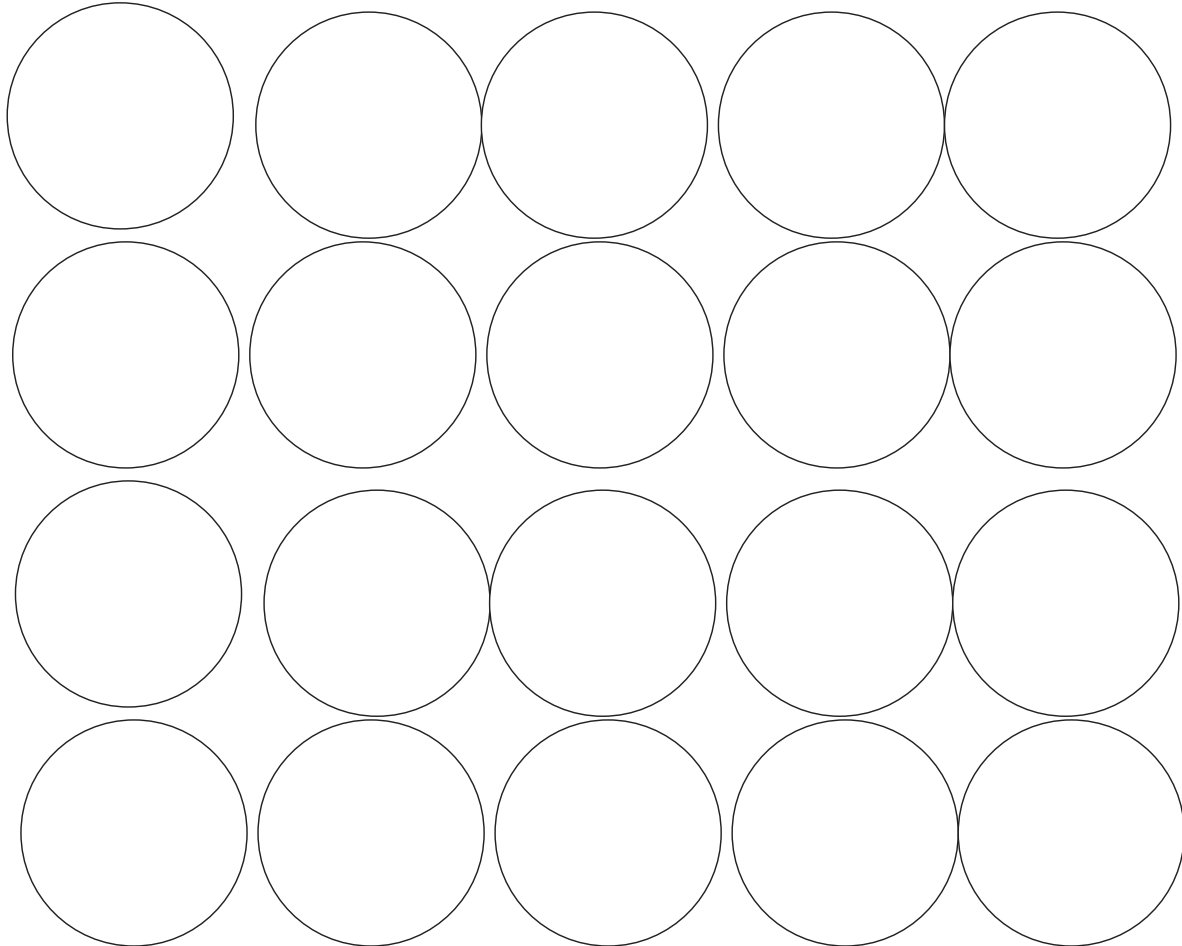


Explaining
Thinking Process



Recognizing Patterns

Create as many objects as possible using the circles

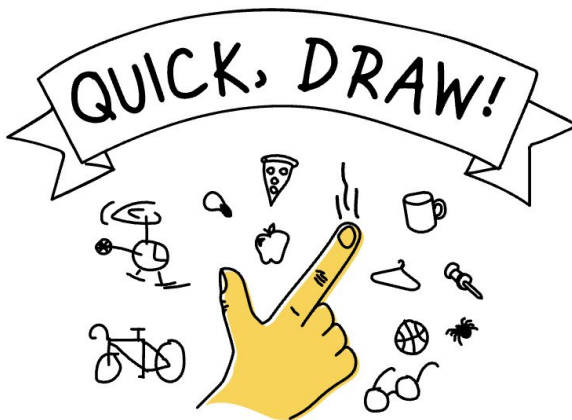




TURIN & TALK

Did you notice themes or derivatives?

Did anyone think outside the circle?



Can a neural network learn to recognize doodling?

Help teach it by adding your drawings to the [world's largest doodling data set](#), shared publicly to help with machine learning research.

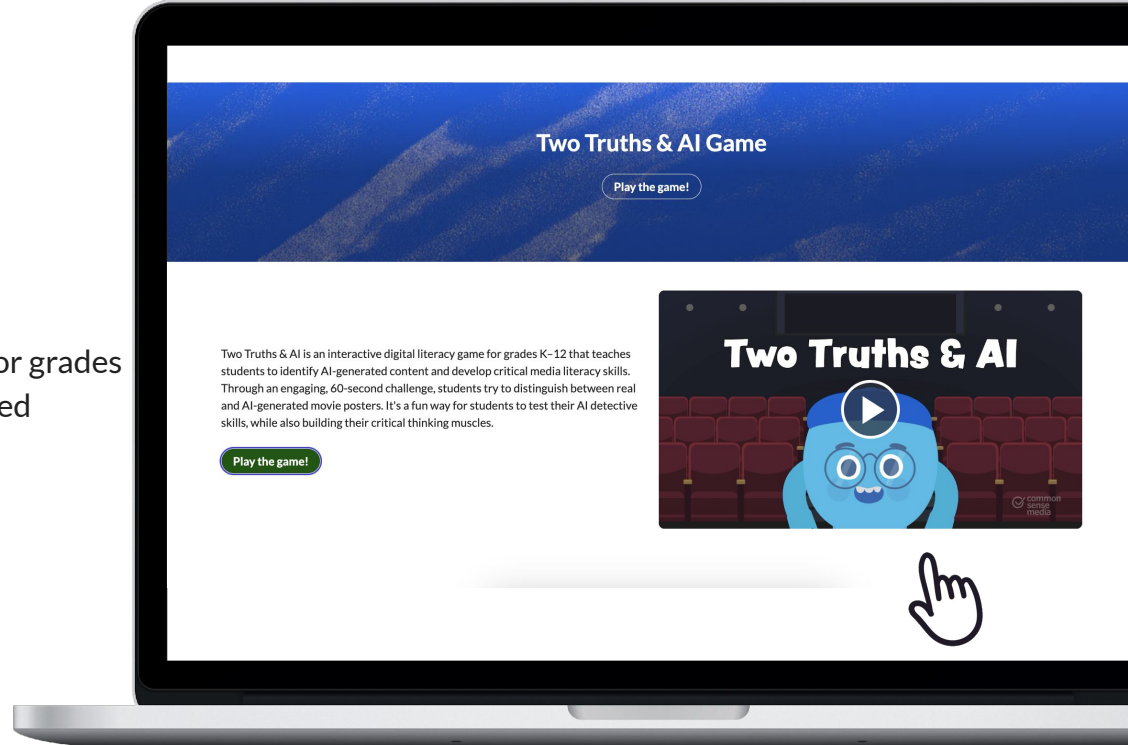
Let's Draw!



AI literacy skill building

Two Truths & AI

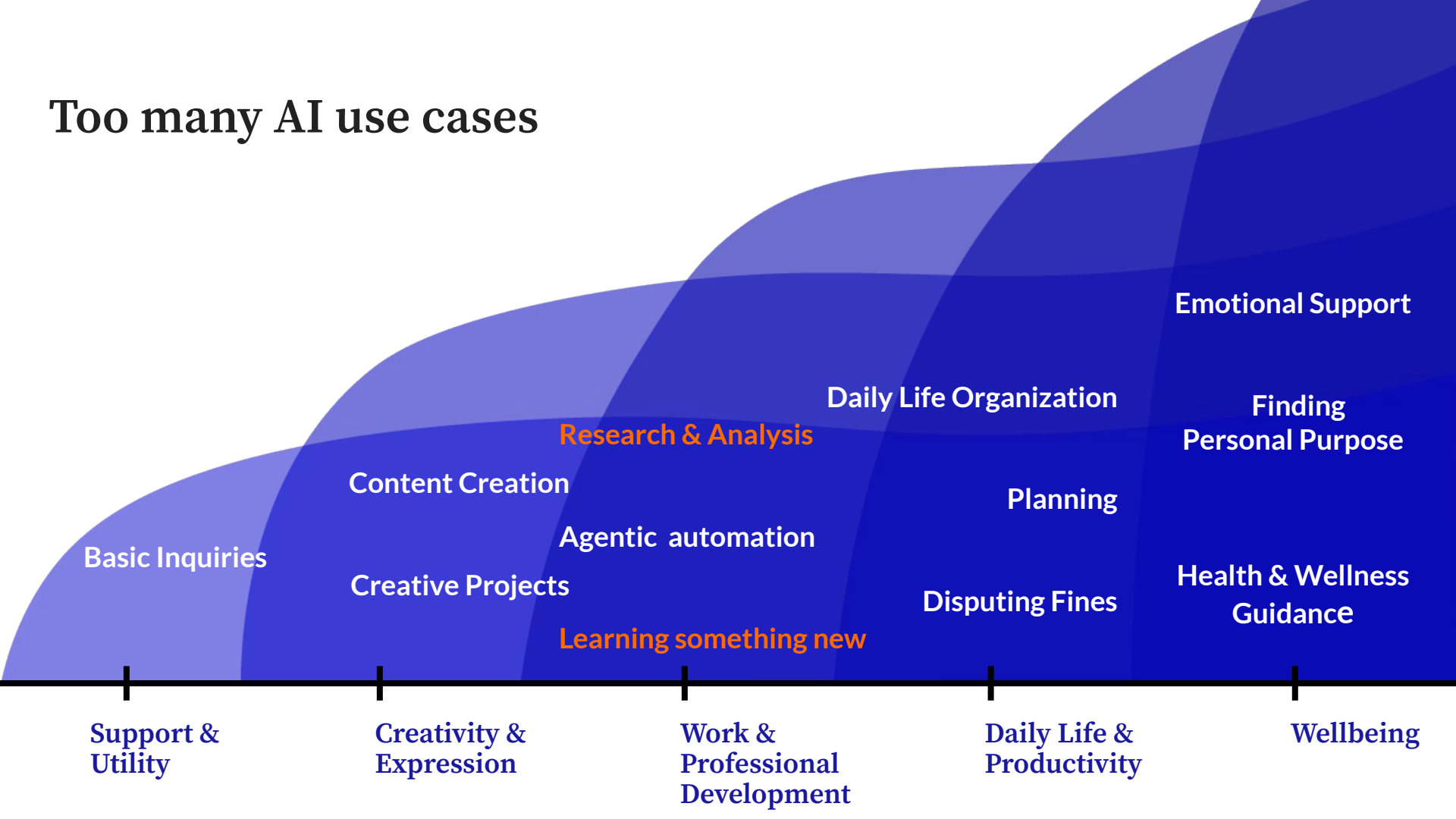
Two Truths & AI is an interactive digital literacy game for grades K-12 that teaches students how to identify AI-generated content.





CRITICAL EVALUATION

Too many AI use cases



Support &
Utility

Creativity &
Expression

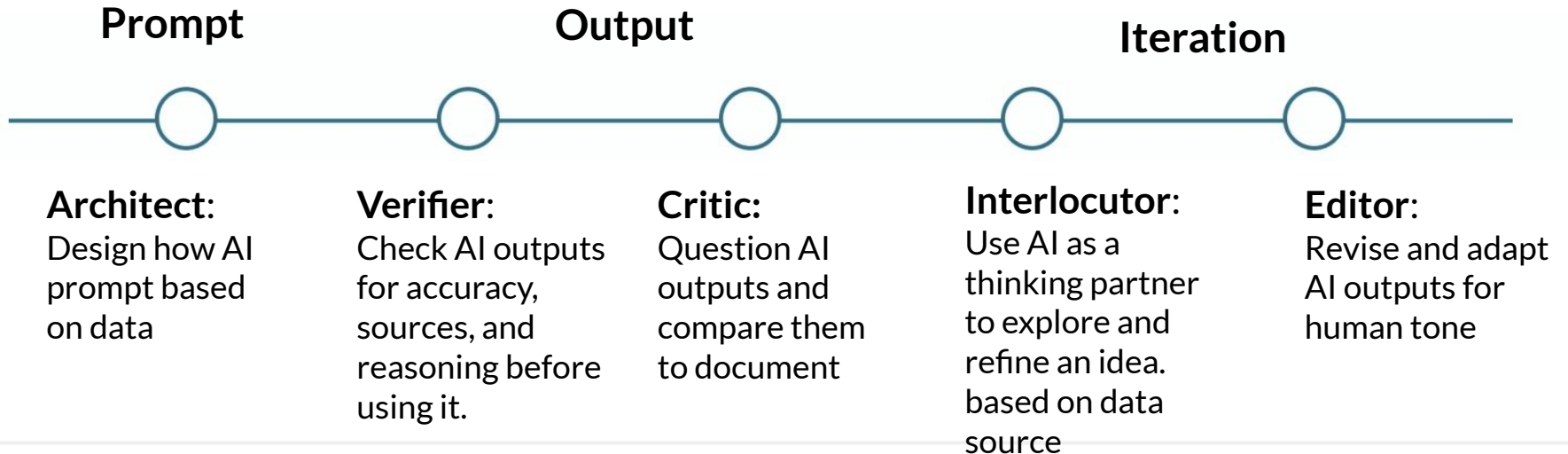
Work &
Professional
Development

Daily Life &
Productivity

Wellbeing



Evaluation Process



AN APPROACH TO USING AI CRITICALLY

The Process	Find current research using ELICIT or Scite	Import research, frameworks into NOTEBOOK LM and have tool summarize	Bring Summary into preferred LLM and begin the prompting process
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TOOLS WE WILL BE USING



[ChatGPT](#)



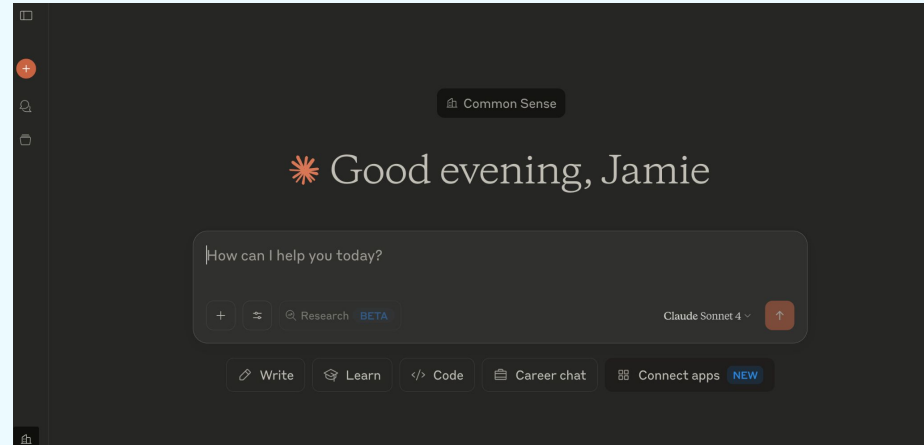
[NotebookLM](#)



[Scite](#)

Prompting Tool

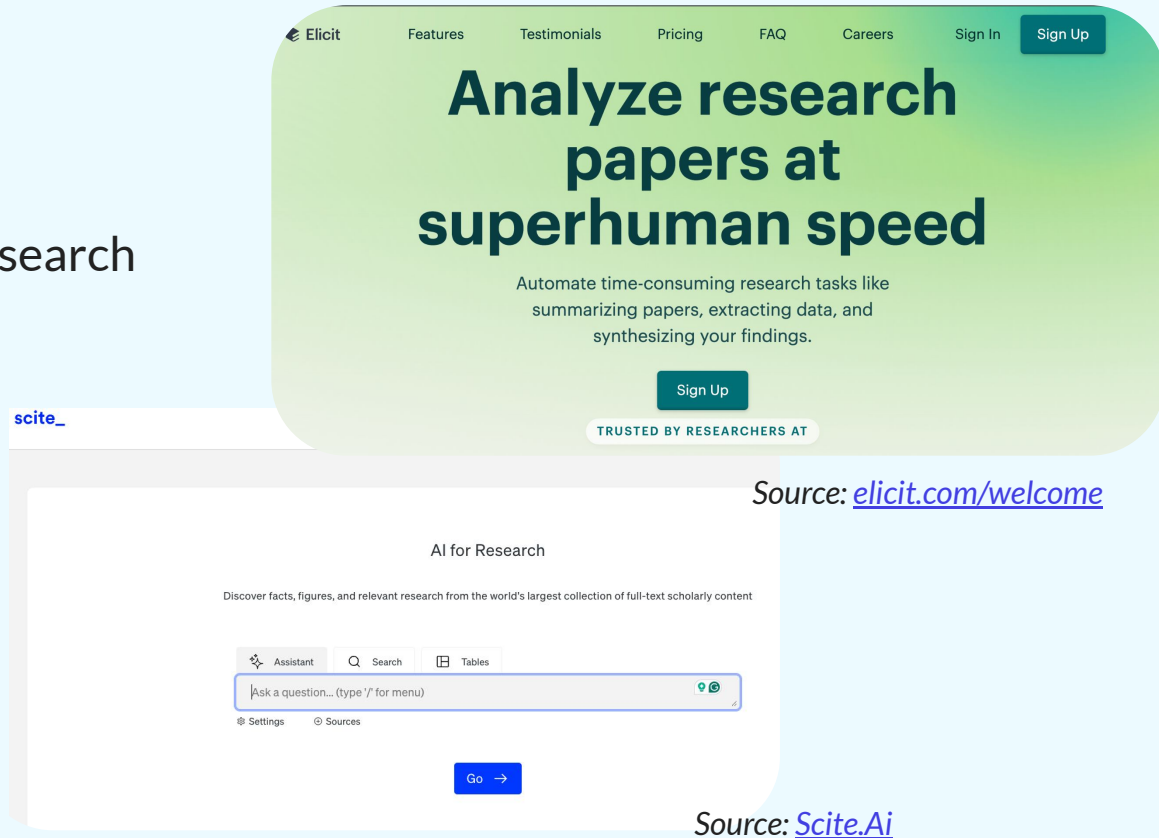
Type of artificial intelligence that can understand, generate, and translate text, visual, auditory inputs



Source: [ClaudeAI](#)

Research Summary Tool

AI tool that summarize current research
in any given field



Source: elicit.com/welcome

Source: Scite.AI

Identifying Research Sources

- Consider current research institutions, frameworks, etc.



ScienceDirect




Early Childhood Research Quarterly
Supports open access

Menu Submit

Volume 72
Pages 1-382 (3rd Quarter 2025)

[Download full issue](#)




Stanford GRADUATE SCHOOL OF EDUCATION

Programs & Degrees Admissions & Aid Faculty & Research About

News & Media Home **Research Stories** School's In GSE News In the Media


Research Stories

Through stories about our research, we communicate new ideas and discoveries that help drive decisions in classrooms and beyond.




April 10, 2025

Stanford study links access to new AP computer science course




March 31, 2025

U.S. textbooks portray Asians in a limited and negative light, new




March 14, 2025

AI helps math teachers build better 'scaffolds' —



HARVARD BUSINESS REVIEW

Latest Magazine Topics Podcasts Store The Big Idea Data & Visuals Case Selection



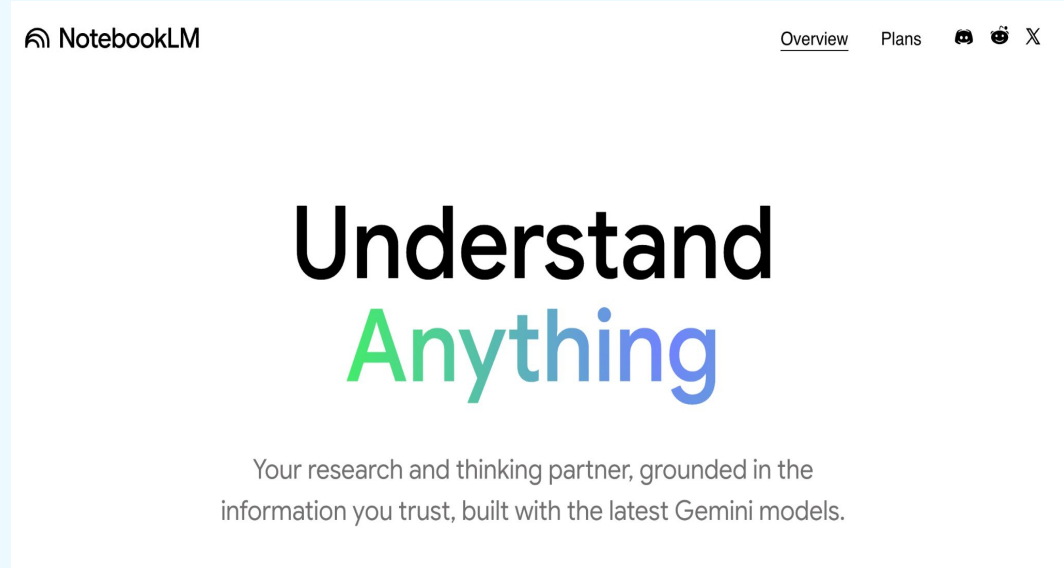
Generative AI

How to Build Your Own AI Assistant

If you can describe a project in plain language, you have

Summary Tools

Summarize information from research and develop relevant AI prompt statements



The screenshot shows the top portion of the NotebookLM website. In the top left corner, there is a logo consisting of a stylized 'N' inside a circle, followed by the text 'NotebookLM'. In the top right corner, there are navigation links: 'Overview' (underlined), 'Plans', and three social media icons (Discord, GitHub, and X). The main content area features the heading 'Understand Anything' in a large, bold font, where 'Understand' is black and 'Anything' is split into green and blue. Below this, a tagline reads: 'Your research and thinking partner, grounded in the information you trust, built with the latest Gemini models.'

Source: [NotebookLM](#)

What [pedagogical approach](#) can I apply to my prompt?

Resources > Blog > Pedagogy > Teaching Pedagogy – 50 Examples Wi...

Teaching Pedagogy – 50 Examples With Practical Applications

On this page

50 Pedagogical Theories and Their Cla...

Looking for digital resources that can c...

Try EP for free

Share this



Where do I start?

OPTION 1

Play with the AI
tools noted above

OPTION 2

Go through process
and see if your
output is more
effective

OPTION 3

Share your own
process that
utilizes research
skills

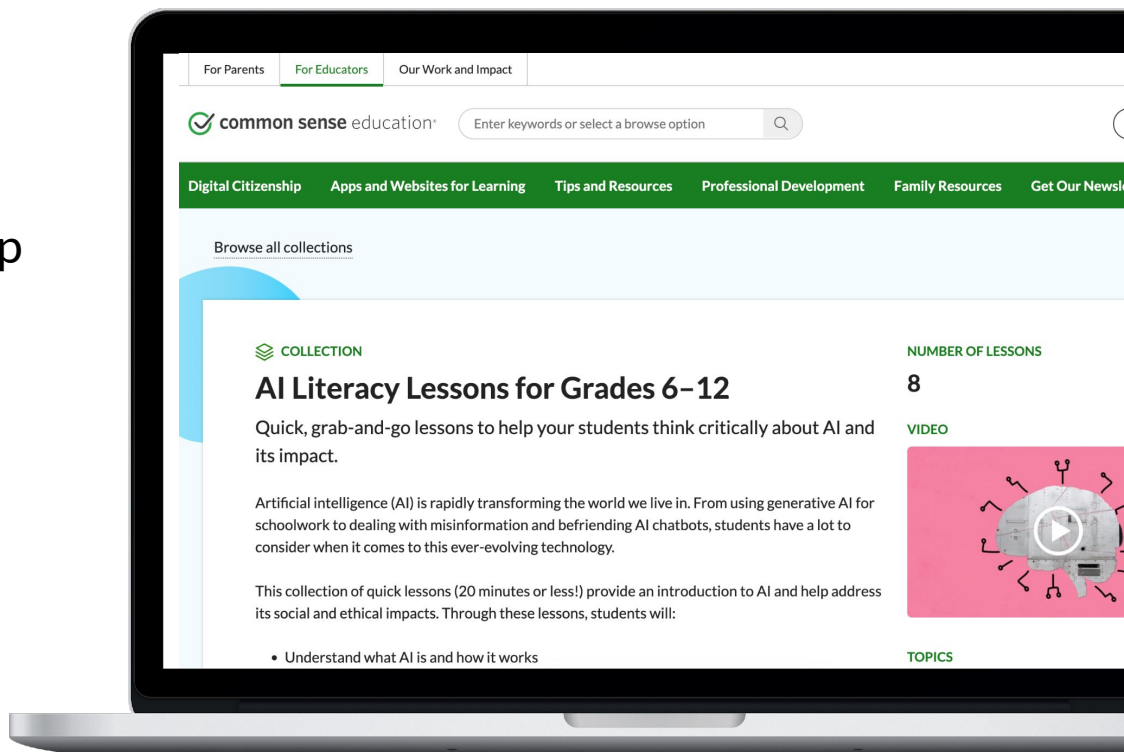


Explain Thinking Process

AI Literacy Lessons

Quick activities and lesson to help your students:

- Understand AI tools
- Explore AI in everyday life





Core Concepts:

- What Is AI?
- How Is AI Trained?
- Understanding AI Bias

Socio-Emotional Dimension:

- How AI Bias Impacts Our Lives
- AI Chatbots: Who's Behind the Screen?
- AI Chatbot: Are You My Friend?

AI in Everyday Life

- AI Algorithms (Social Media)
- AI and Content Moderation
- Facing Off with Facial Recognition
- AI and Plagiarism



Resources



Self Paced Course

AI BASICS COURSE

3 Essential Questions

1. What is AI and how does it work?
2. How might AI impact teaching and learning?
3. What are the best practices for using generative AI ethically and responsibly?





 common sense education®

AI Literacy: A Common Sense Guide to Our Resources



Overview

AI Literacy refers to our **ability to understand how AI works** and to **think critically** about the **ethical and societal consequences** for how we use it. Recognizing the varying community needs of our schools to address the role of AI in our lives, Common Sense Education has gathered our AI resources into one place for your ease of reference.

Research & Professional Development:

- Learn more about the [Common Sense research](#) that informs our work in AI and Digital Literacy
- Access the Common Sense [AI resources deck](#) to share and train others
- Complete **professional learning**, from live [webinars](#) to an [asynchronous AI Foundations course](#)

AI Literacy Lessons for the Classroom

Quick, grab-and-go lessons for educators to help middle and high school-aged students think critically about AI can be found in our [AI Literacy Collection](#).

Explore Trusted Instructional Tools Leveraging AI

- [Classroom Tools that Use AI](#)
- [Lessons and Tools for Teaching About Artificial Intelligence](#)
- [Common Sense Selections for Learning](#)
- [\(Article\) Chat GPT and Beyond: How to Handle AI in Schools](#)





Create your own Chatbot

Custom Chatbots built by Educators

Name of Tool:

[Playlab.AI](https://playlab.ai)

Is it Safe:

Yes- It's intended for educators

Use Case

sample [SEL bot](#)

The screenshot shows the 'Explore' page of the Playlab AI platform. The page has a navigation bar with 'Playlab', 'Apps', 'My Activity', and 'Explore' (which is underlined). A circular profile icon for 'KRP' is in the top right. The main heading is 'Explore' with a hamburger menu icon to its left. Below this is a 'Featured' section with a floral icon. It displays four app cards:

- Adam Strom** (AS): **The Re-Imagining Migration Coa...**. Description: "This app helps educators serve increasingly diverse student populations by enabling them to create learning communities where...". Tags: Featured, Differentiation, Equity, Planning.
- Wyman Khuu** (WK): **Model UN Simulator**. Description: "Simulate Model UN questions based on the country a student is representing". Tag: Featured, Humanities.
- Jennie** (J): (No title or description visible).
- Gretchen A Gibbs** (GAG): (No title or description visible).



Thank you

If your interested in connecting or have any feedback for me, fill out the three question survey

[Facilitator Feedback](#)