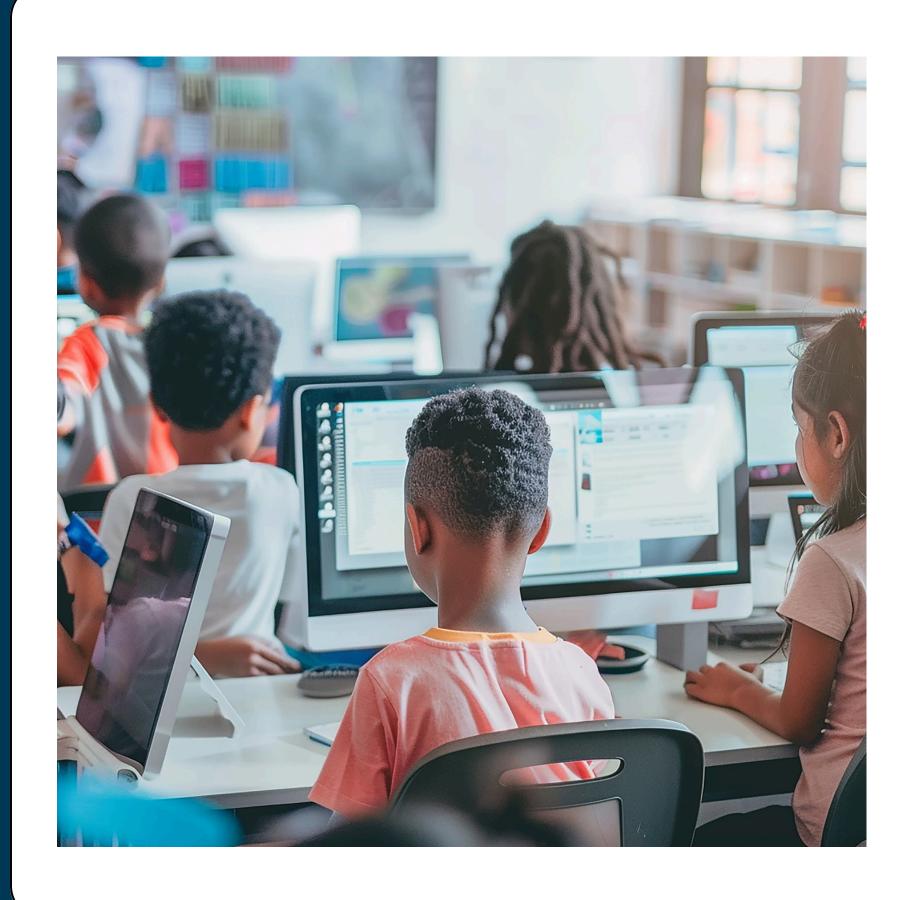
Al as a Learning Partner: Unleashing Creative Possibilities in Youth Programming

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Full STEAM Forward



July 23, 2025 | Baruch College





AI AS A LEARNING PARTNER

Unleashing Creative
Possibilities in Youth
Programming



HOW DO YOU FEEL ABOUT EDUCATION?



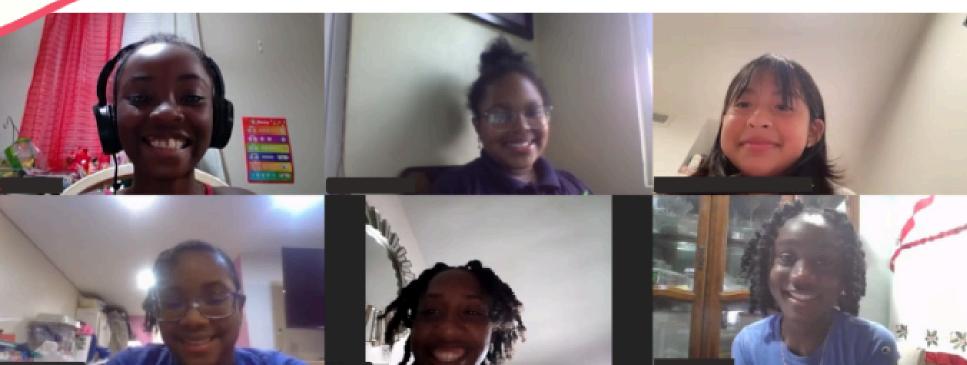
WHY TALK ABOUT AI IN EDUCATION?

- Al literacy ranked the fastest growing skill looked for in hiring (datacamp, 2025)
- Al empowers more sophisticated cyber attacks (TechAdvisors, 2025)
- 70% of US high school students reported using generative AI to support school work (K-12 Dive, 2025)
- Students who understand how AI works are more likely to use it safely and critically (Bećirović et al., 2025)



"It can be used for things,"
so many things,"
so many things,"
yen farming."

WHY US?



"I didn't
think I could
make a
chatbot or a
website."

"I didn't know AI could be biased."

"I won't use AI for school because it can be wrong...I won't learn."

WHATTO EXPECT

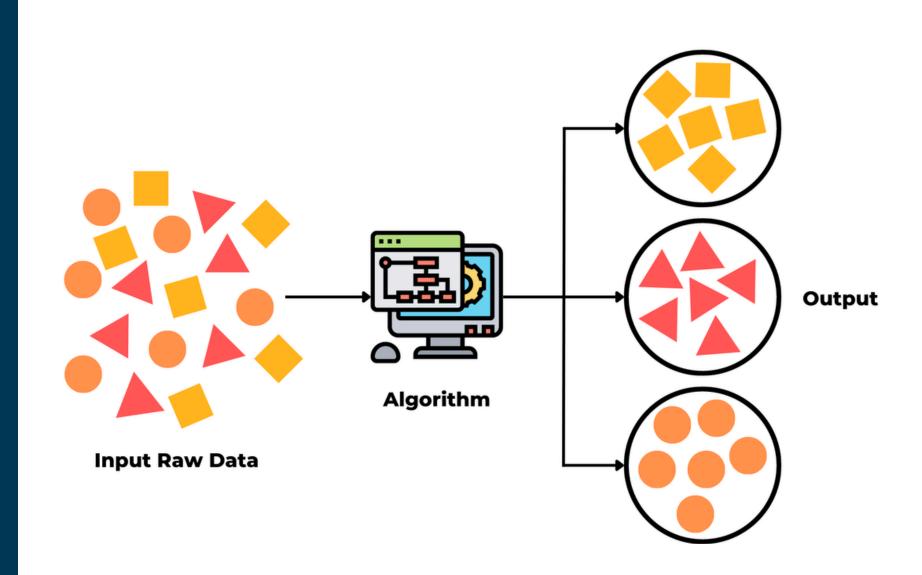


- What is Artificial Intelligence?
- 2 Survival of the Fittest Challenge
- 3 Al Tool Exploration
- Bringing Al into the Classroom
- 5 Resources

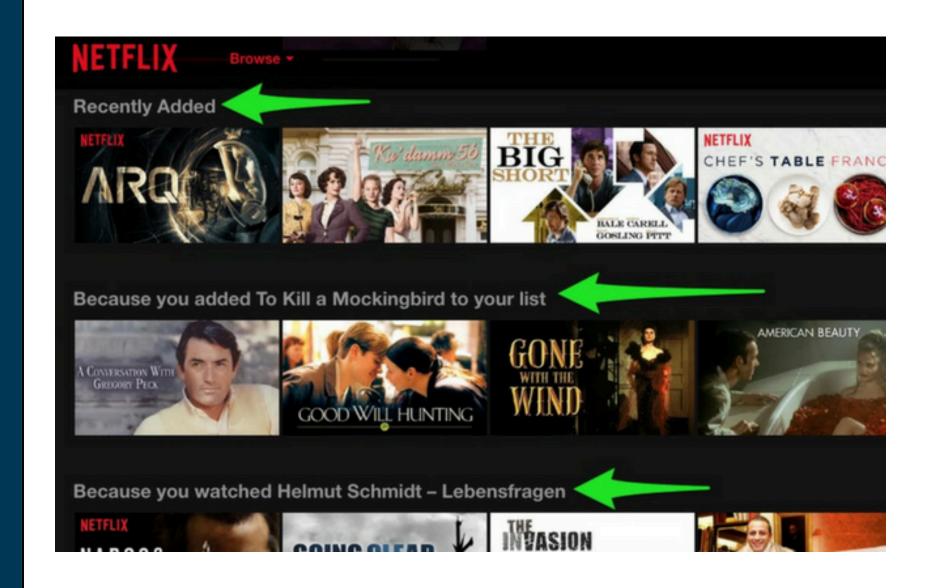
ARTIFICIAL INTELLIGENCE (AI)

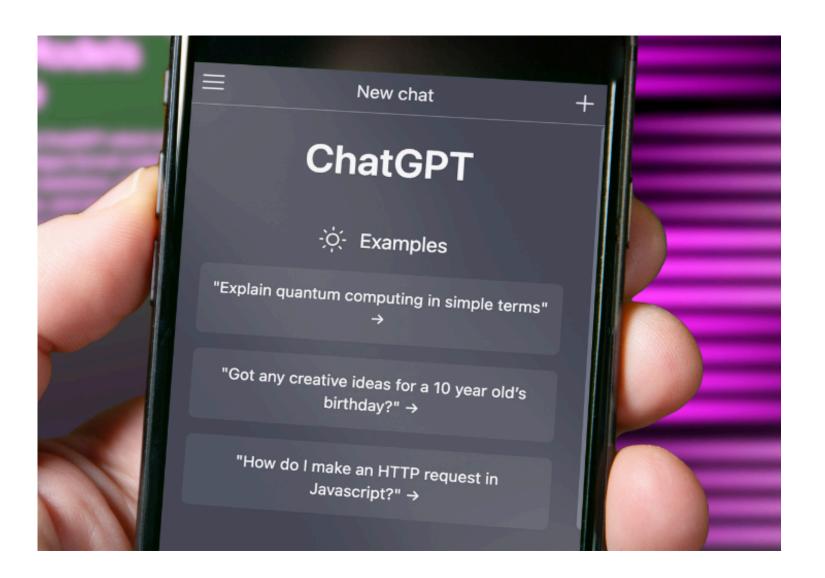
The ability for a computer to perform tasks that usually require human intelligence.

Al can learn from data and make decisions. This is called machine learning.

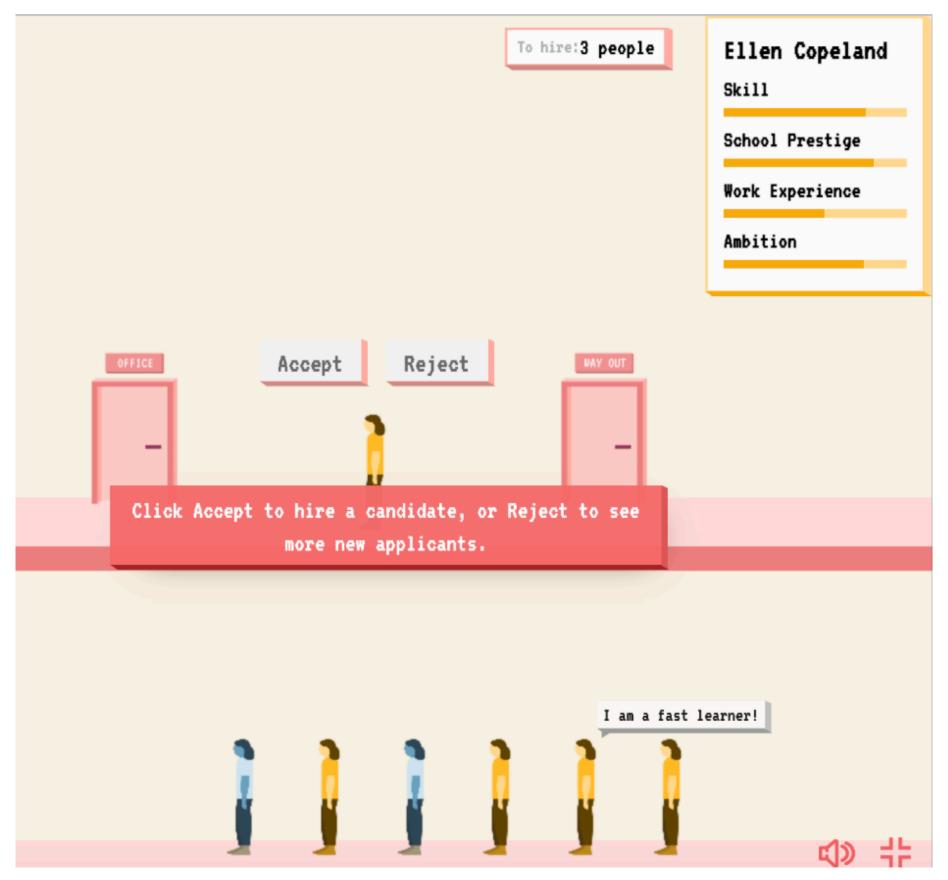


AI MACHINE LEARNING EXAMPLES



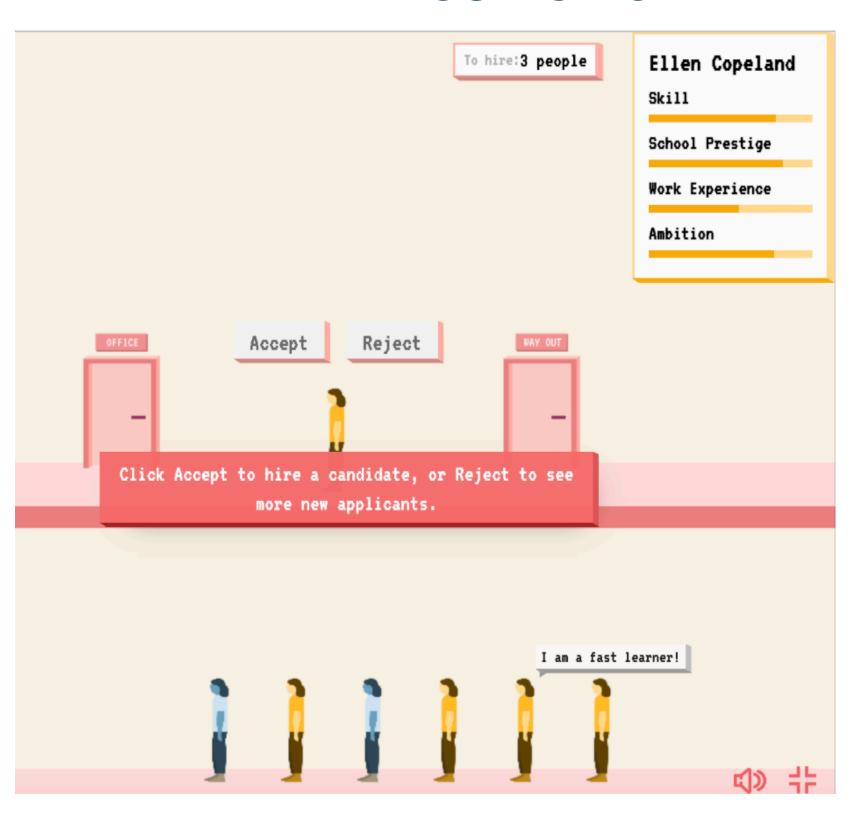


CONGRATULATIONS! YOU'VE JUST SECURED S1 MILLION DOLLARS! TIME TO GROW YOUR STARTUP.



survivalofthebestfit.com

WHAT DID YOU NOTICE?



Let's break down its decisions by orange and blue?

Here they are; what do you think?

Accepted Orange/Blue Makeup

Average Orange Person Performance

Rejected Orange/Blue Makeup

Average Blue Person Performance

We're rejecting more blue people.

Lets find out how! Do you remember how we first trained the algorithm?

I sent you my decisions for the algorithm to mimic me.

Correct. Look at our data from manual hiring:

Accepted Orange/Blue Makeup

Average Orange Person Performance

Rejected Orange/Blue Makeup

Average Blue Person Performance

AI CONSIDERATIONS

Bias

Privacy

Accuracy



Over Reliance

Energy Use

Data Sources

USING AI IN THE CLASSROOM

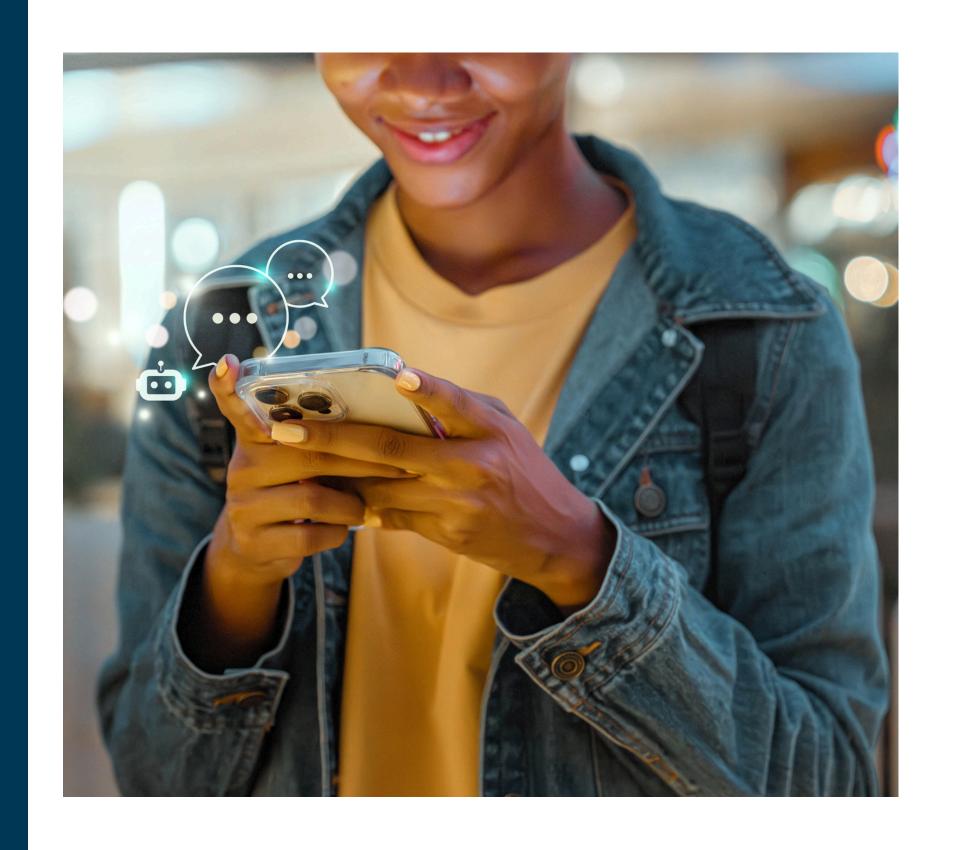






AS YOUR EXPLORE AI TOOLS CONSIDER...

- What did the tool generate?
- What do you like about it?
- What ethical concerns do you have?
- What do you wonder about the tool and its data?



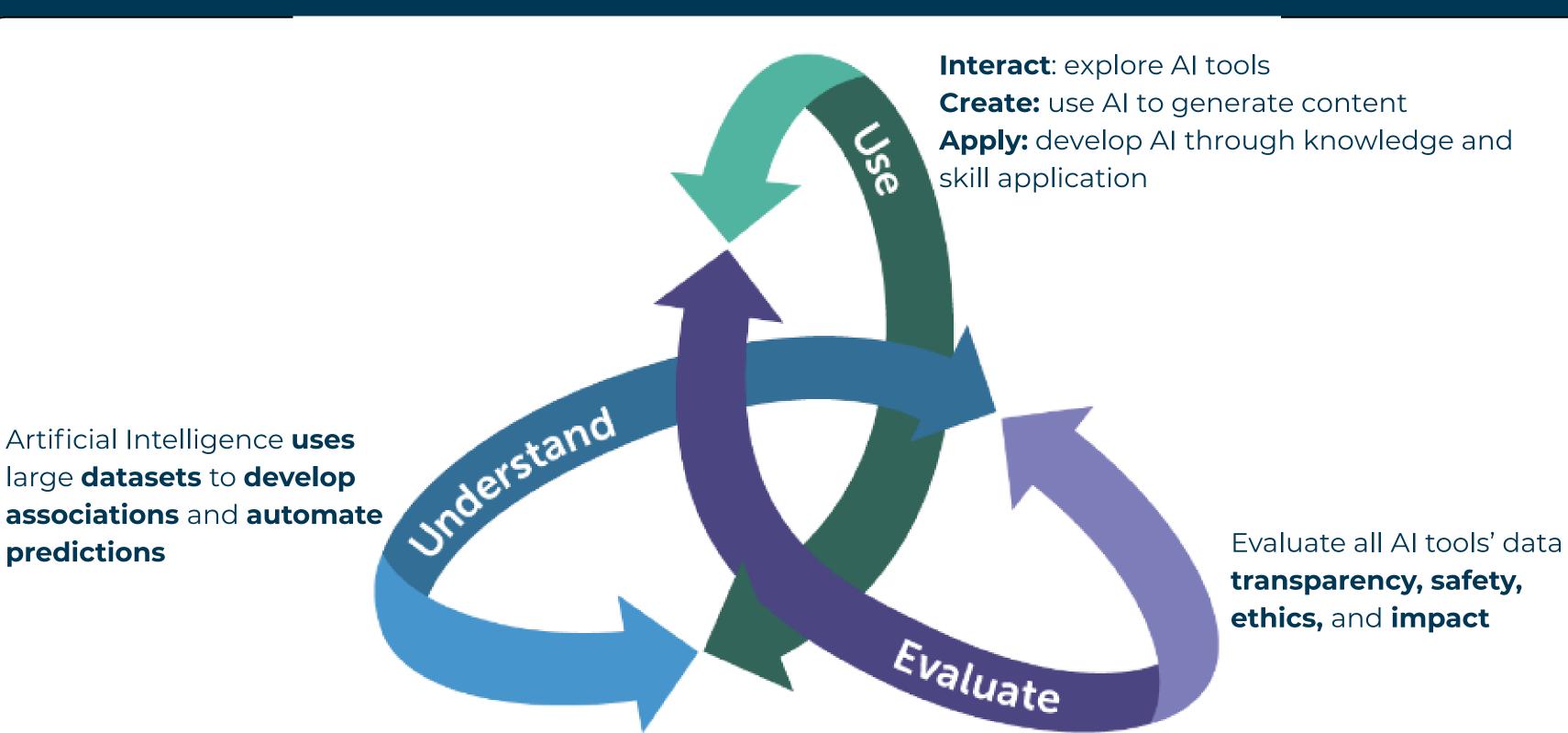
I'm an educator and I want to use AI with my students, what tips do you have for me?

Nobody has responded yet.

Hang tight! Responses are coming in.

SLIDO OR OTHER INTEGRATION





Al Literacy Framework

predictions



HOW DO YOU FEEL ABOUT EDUCATION?



THANK YOU!



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