What You Should Know About A.I.

Margaret Ann Minihan and Erika Bohman

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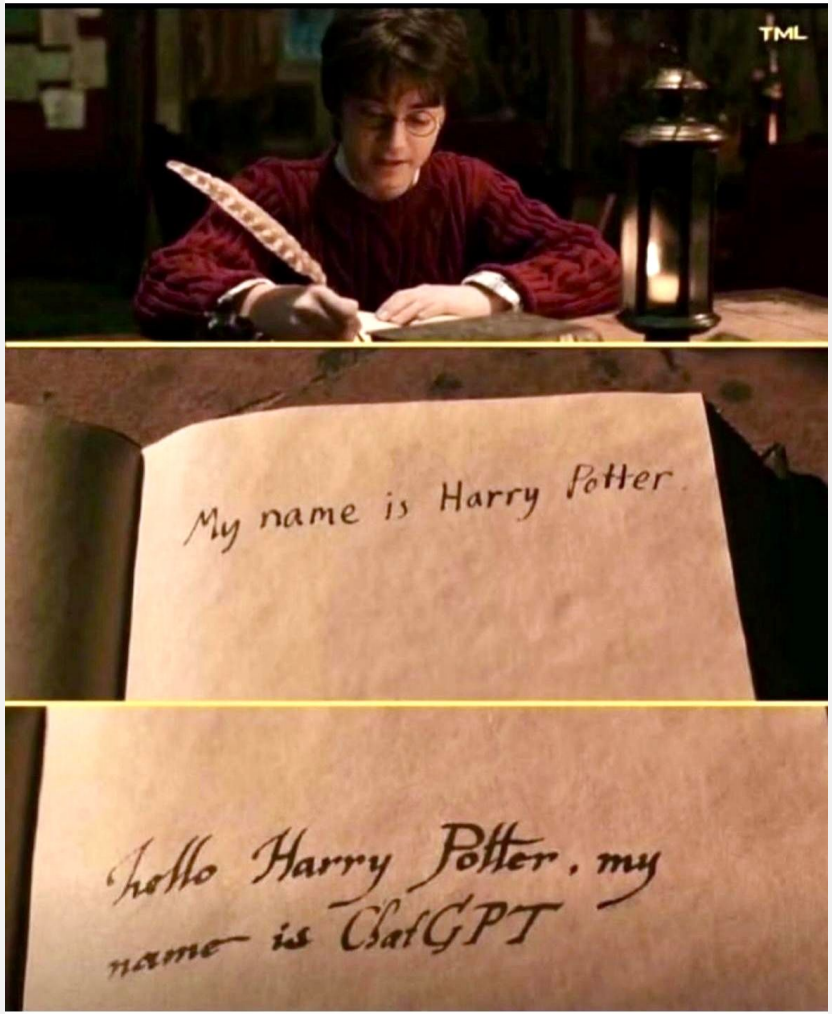

What is Artificial Intelligence Anyway?

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In just 30 years...

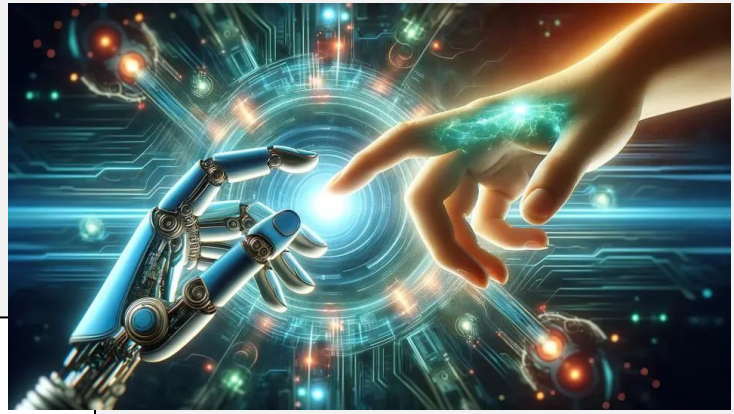
1990s: “What is Internet anyway?”



2000s: Web 2.0



2020s: ChatGPT



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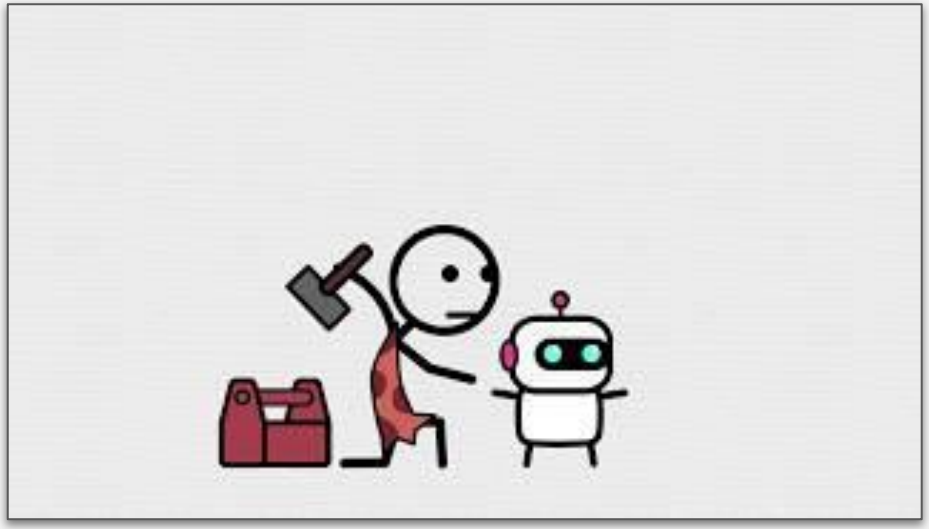
What is AI?

- Software programs that continually “learn” from patterns found in vast amounts of data
- The more data they have access to, the “smarter” they are (the reason companies are obsessed with collecting data)
- They only “know” what they’ve been “taught”
- Examples: generative text engines, research engines, medical image analyzers, bank fraud detectors, self-driving cars, streaming service algorithms, social media algorithms



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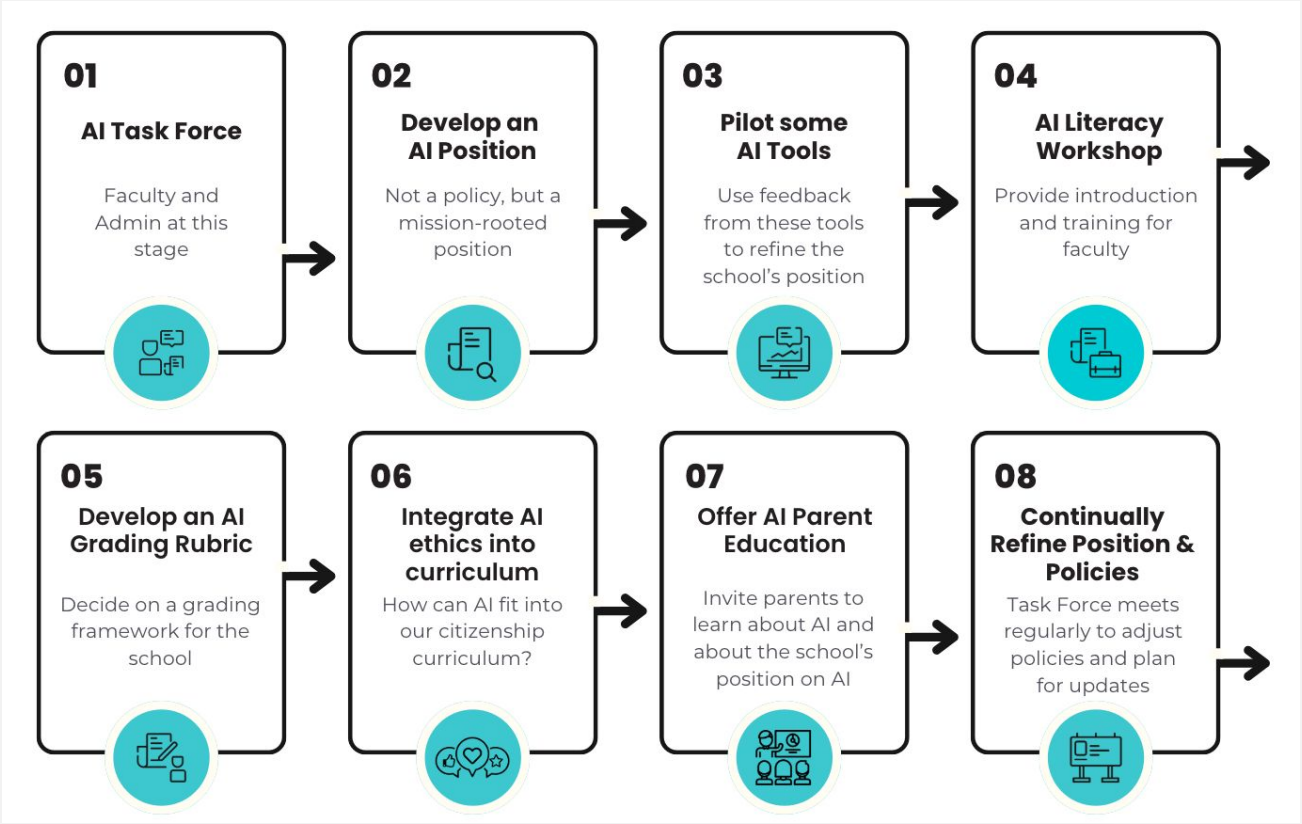
Indy AI Task Force



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More Teachers Are

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OPINION

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May 17, 2024



What students see now when they “google”

Google

why is starry night so famous

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AI Overview

Learn more

"The Starry Night" by Vincent van Gogh is famous due to its striking, swirling brushstrokes, vibrant colors, and symbolic imagery, which effectively convey a sense of emotional intensity and the artist's inner turmoil, creating a powerful and evocative depiction of the night sky that has resonated with viewers for generations; it's considered a prime example of his revolutionary artistic style and is often seen as a gateway to understanding his complex psyche through art.



Key reasons for its fame:

Show more

5 Reasons Why Van Gogh's "Starry Night" Painting Is So Famous

5 Reasons Why Van Gogh's “Starry Night” Painting Is So Famous * A Gateway to the Soul. Van Gogh's “Starry Night”...

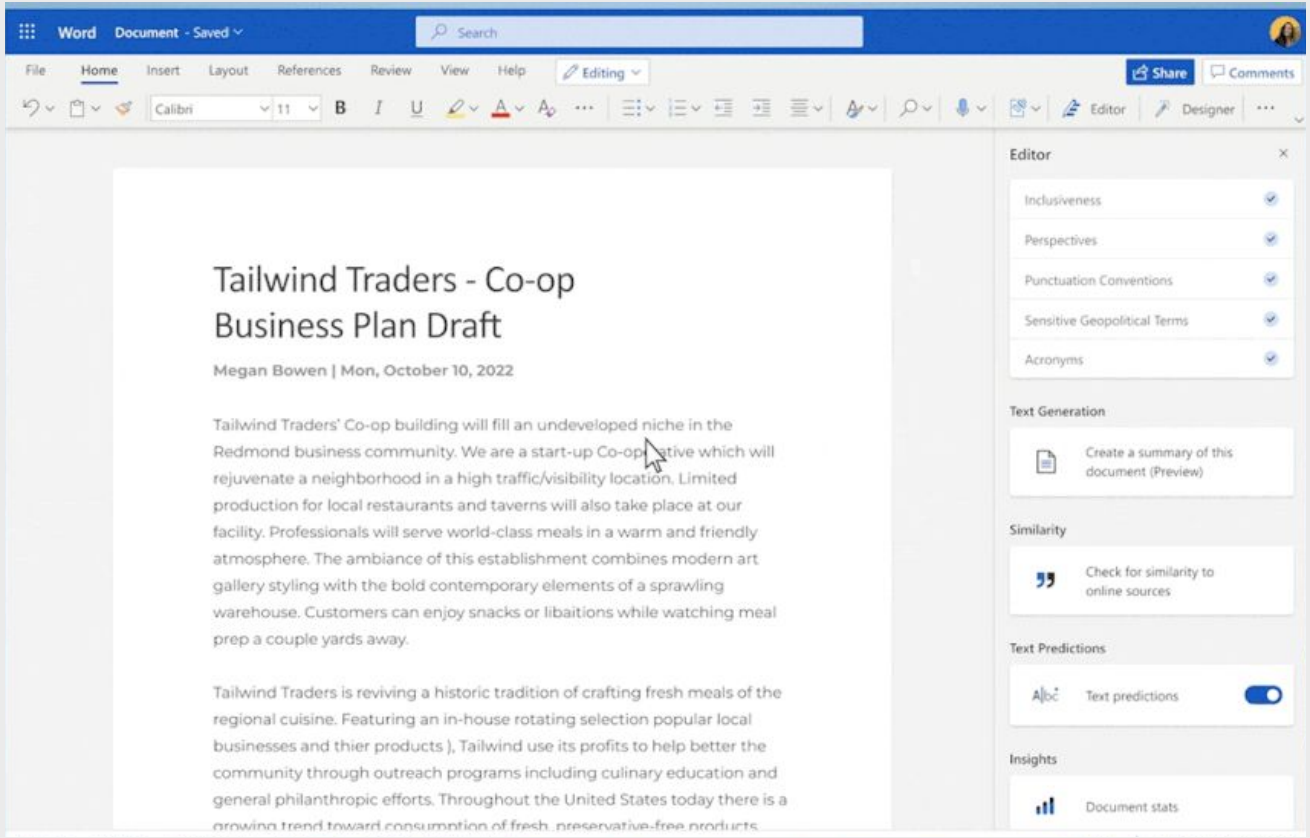
Arts Fiesta

How then did Starry Night become so famous? - Van Gogh Studio

Aug 31, 2016

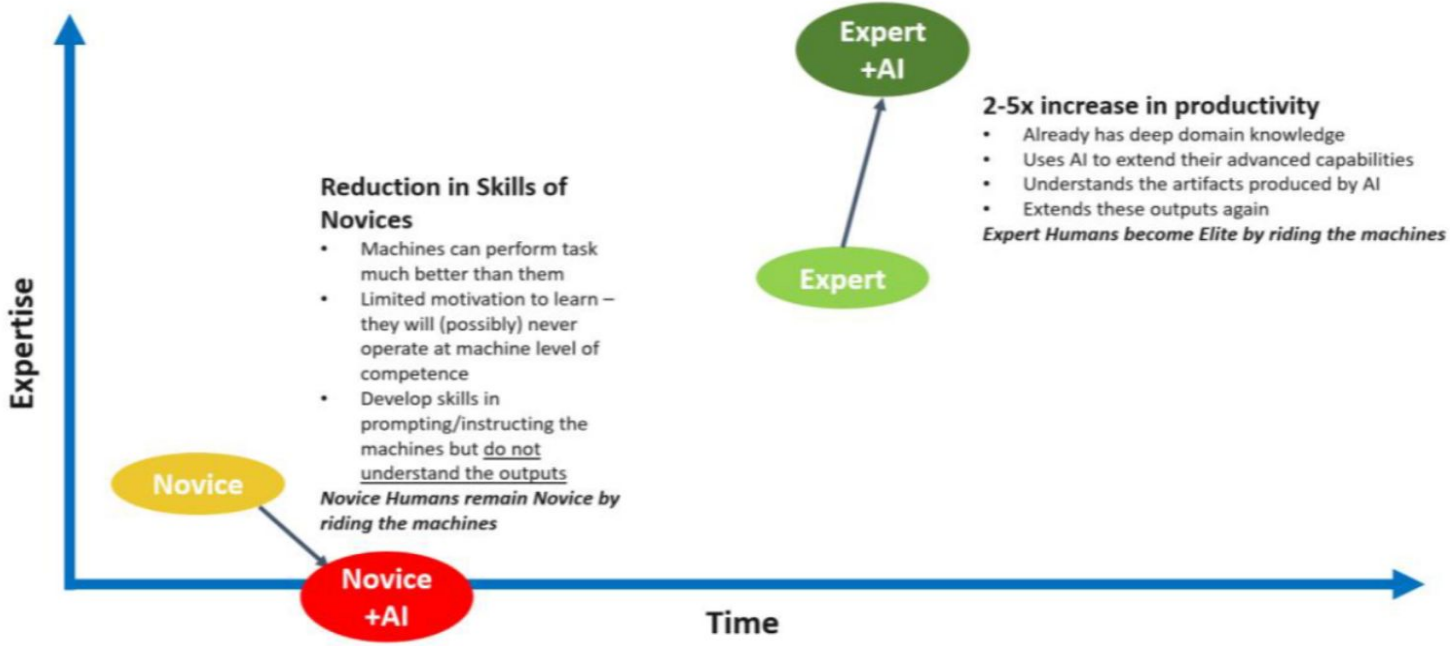
Van Gogh Studio

Coming soon to a word processor near you...



Source

AI Increases the effectiveness of experts, but decreases the effectiveness of novices



Hamilton, Wiliam, and Hattie (2023)

The Calculator Moment Analogy



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6 Traits of Writing



Ideas



Organisation



Voice



Word Choice



Sentence Fluency



Conventions

Writing Workshop Model

Writing as a process

- Idea formation
- Brainstorming
- Outlining
- Drafting
- Feedback from teachers and peers
- Revision/editing
- Publication/Sharing with Others

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“A.I. Proof” Assignments

Lean into “creative” writing - personal writing and storytelling - which AIs can’t do as well (and students like to do).

Teach the 5 Paragraph essay as just one organizational strategy

For essays/research writing: LLMs like ChatGPT can’t include quotations from a text (textual evidence).

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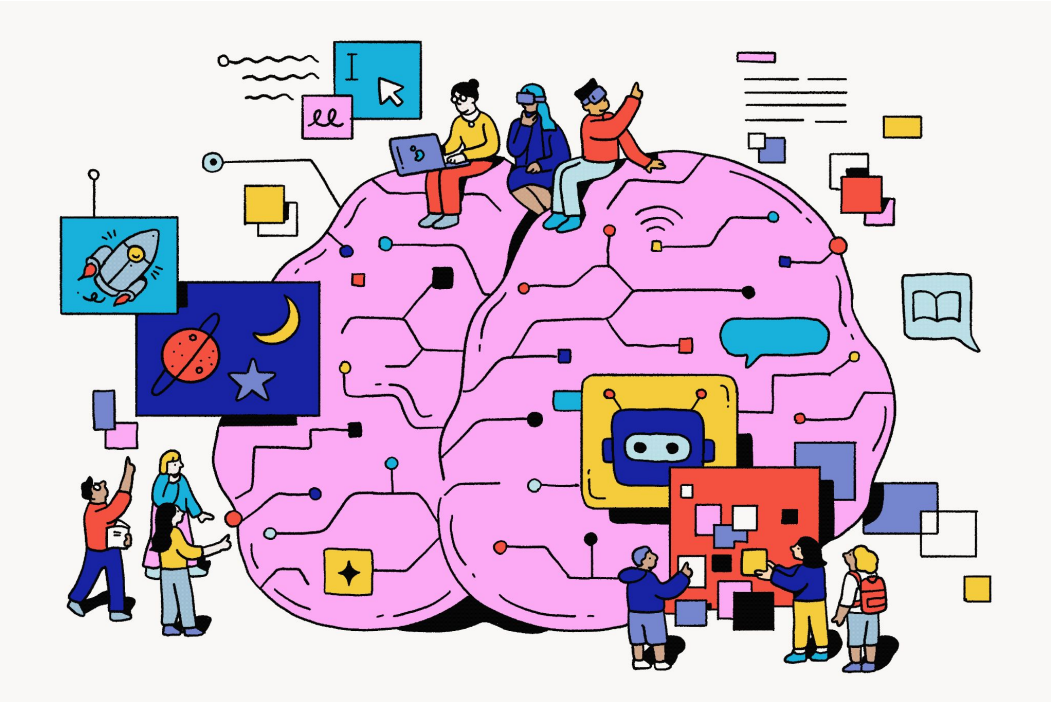

[What Is Age-Appropriate Use of AI? 4 Developmental Stages to Know About]

FOR MIDDLE SCHOOOL:

"Exercises in which students ask a generative AI chatbot to answer a question or write an essay and then critique it, looking for factual errors and the like would be developmentally appropriate for this age group"

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Example Assignment Guidelines



Students are expected to complete this assignment without assistance from others, including AI tools. All work must be original and demonstrate the student's own ability.



Students may use AI tools as they work on this assignment. Students must explain how AI tools informed their process (include the chat transcript) and are responsible for the accuracy of the ideas that are used.

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POSITION DRAFT:

We believe in engaging the power of Artificial Intelligence (AI) alongside Human Intelligence to prepare our students for an ever-changing future. As technologies including AI are continuously developed, The Independence School is committed to responsible, ethical, and safe use of these technologies. Students will be exposed to instructional tools that will enhance their learning, leadership, and citizenship in an age-appropriate sequence, mindful of the benefits and pitfalls of this evolving technology.

- With the goal of nurturing intellectual curiosity in lifelong learners, The Independence School empowers employees and students to become responsible users of technology.
- The Independence School is committed to intentional use of educational AI technologies by students and teachers with particular care given to the protection of individual privacy, data security, and digital citizenship.
- The use of AI will not replace the connection between students and educators, a connection that is essential to fostering academic success, critical thinking, interpersonal and social skills, emotional well-being, creativity, and the ability to fully participate in society.

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INSPIRE.
DREAM.
ACHIEVE.