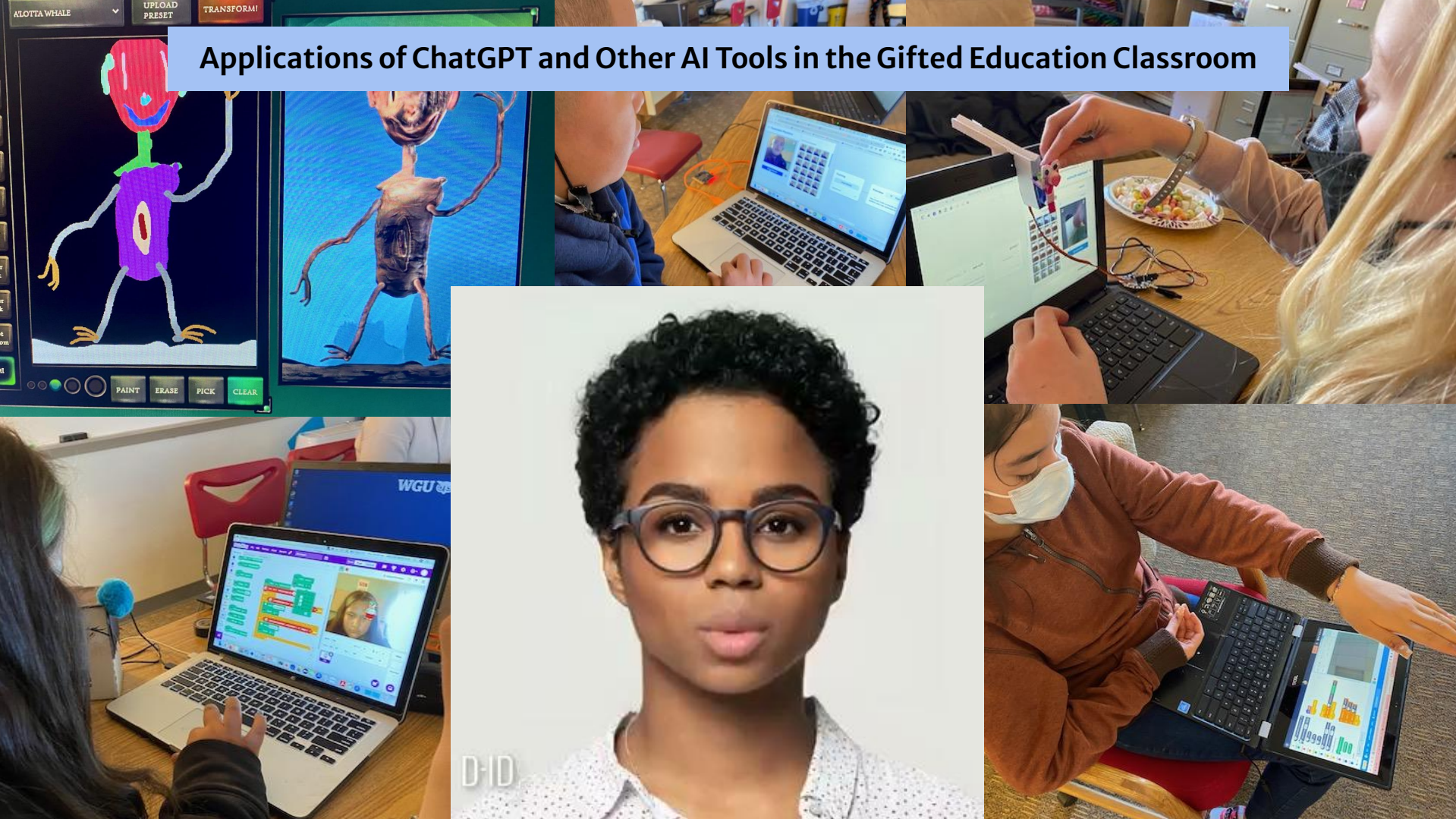


Applications of ChatGPT and Other AI Tools in the Gifted Education Classroom





MusicLM



energizing beat that k-12 gifted students would enjoy hearing while they work on projects



Try something like...

Repetitive melody that creates an eerie, unsettling atmosphere

Tunes to listen to on a bumpy train ride, tranquil and relaxing, it's raining outside

Melodic techno



✓ energizing beat that k-12 gifted students would enjoy hearing while they work on projects

← Back

Energized Mice

Download Track

Add Video or Podcast

Supported formats: mp4, avi, mov, wav

Zoom

00:17 | 01:00

Like

Dislike

Compose Track

Track

Sad

Volume

Alternate Tracks

GET NEW TRACKS

Instruments

Edit

Chords, Melody, Bass, Percussion

Genre

Edit

HipHop

Tempo

Medium

Report Bug

Chat with Us

<https://sync.beatoven.ai/track/0cec4ef8-9445-47f0-a204-5219c4d26410>



AI Radio.com

🏠 Jackie

✎ Editing ▾



Explore AI
Voices



This is Jackie Gersteen coming to you from artificial intelligence radio dot com



AI - Rapid

🏠 Jackie

✎ Editing ▾

UPGRADE

10 mins of 10 mins available

📄 Export

🔗 Share



Naomi (F) ▾

Inspirational

Pitch 0%

Speed 0%

Add Pause

11.3s | 11.3s



artificial intelligence is going to take the education world and gifted education into the 22nd century at a rapid pace.

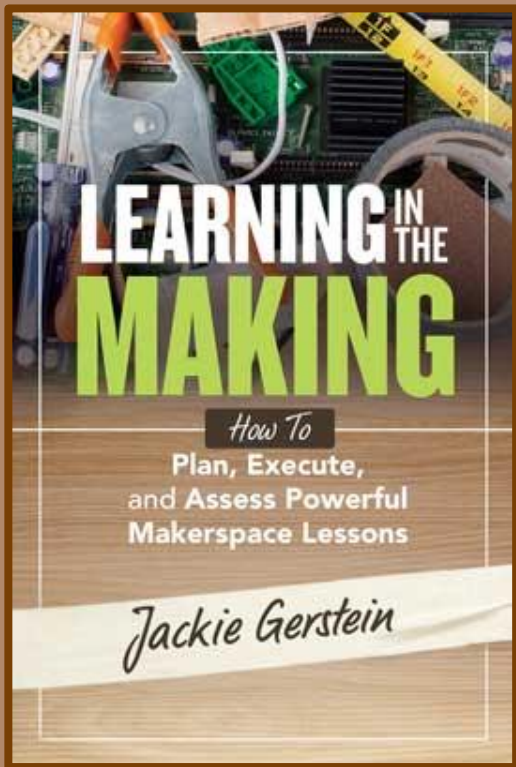


⊕ Add a Block

<https://murf.ai/studio/project/2/P016882333593023MJ>

<https://murf.ai/studio/project/2/P0168790605809397O>

Dr. Jackie Gerstein



“I don’t do teaching for a living, I live teaching as my doing . . . and technology has increased my passion for doing so.”

I teach graduate courses for Walden and Antioch Universities and gifted kids at a Title 1 /bilingual school in Santa Fe, NM. My mission for the kids is to help them develop the passion and skills so they are situated to be competitive with students of more privilege. I do so by creating classroom environments I wish I had as an elementary student.

[@JackieGerstein](#)

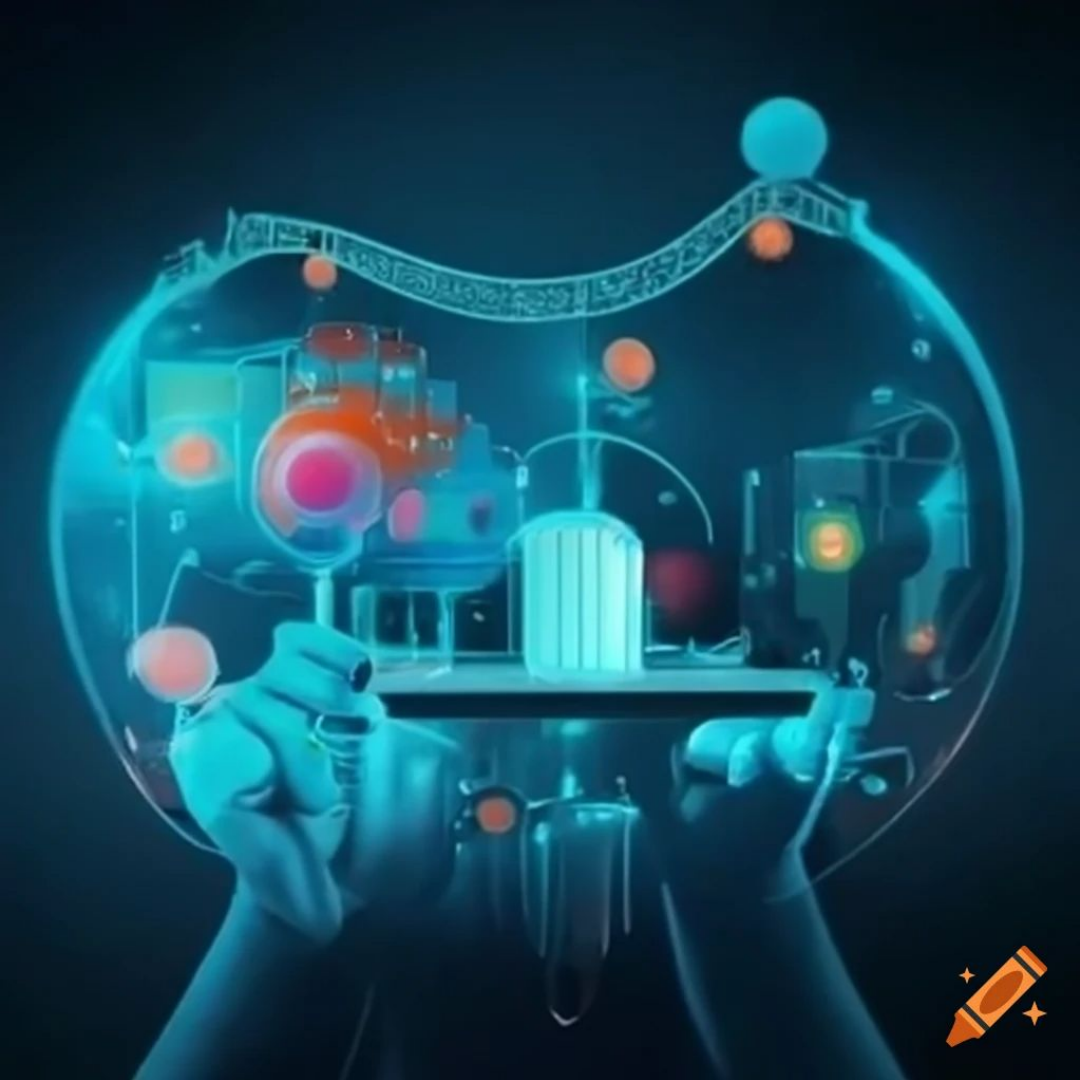
<http://usergeneratededucation.wordpress.com/>



Agenda

- **Warm Ups/Sampler**
 - Music + Voice Generated AI Intro (S)
 - Would You Rathers (T)
 - Adobe Express – Animate 2 Truth (S)
 - AI for Gifted Students
 - Slides generated by AI – gamma.ai)
 - Information: Canva, Jenni.ai, ChatGPT
 - Interactive by Curipod
- **Student Activities**
 - Code.org Activities
 - Machine Learning
 - DIY Chatbots (using Scratch 3.0)
 - Using ChatGPT Student Pledge
 - Story Writing by ChatGPT/Dall.e
- **Teacher Production Tools**
 - Prompt Development
 - Lesson Assisters – Curipod,
- **Issues**
- **AI – Background Information**

A Sampling of AI Activities



Would You Rather?

<https://autoclassmate.io/would-you-rather-question-generator-responses/?eid=f4569e>

Premium Tool

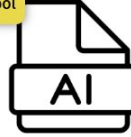


AI-Powered Instructional Coach

Powered by a fine-tuned version of Chat-GPT, our Instructional AI Coach will help you become a better educator everyday.

Use Tool Now!

Premium Tool



AI-Powered Lesson Plan Generator

Create a personalized and dynamic Lesson Plan for your classroom with the Auto Classmate AI-Powered Lesson Plan Generator.

Use Tool Now!

Free Tools

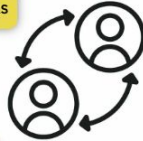


Lesson Plan and Activity Forecast Tool

This tool will make you feel like you can see the future by predicting outcomes of any activity within your lesson plan so you can preview class before class.

Use Tool Now!

Free Tools



Activation and Engagement Activity Generator

This AI-powered tool will produce three engagement activities designed to add a dynamic flare to any lesson plan for any class.

Use Tool Now!

Free Tools



Would You Rather Question Generator

This AI tool will instantly add excitement to your classroom by providing grade and content specific 'would you rather' style questions.

Use Tool Now!

Coming Soon



Contextual Learning Activity Generator

This tool will generate three activities that place students in a contextualized role in order to create or design something in the learning process.

Get Notified

Two Truths and a Lie with Adobe Express Animate



<https://express.adobe.com/express-apps/animate-from-audio/?isEdu=>

Explore reasons using artificial intelligence is important for gifted education as explained by artificial intelligence (slides 11 through 22). There will be an interactive activity following the review:

- Gamma
- Canva's Magic Word
- Jenni.ai
- CodeBreaker Chat
- Character.ai
- Chat GPT





Revolutionizing K-12 Education with Artificial Intelligence

Get ready to witness the future of education! Join us as we explore the exciting ways Artificial Intelligence is transforming the K-12 gifted classroom.



by Jackie Gerstein

Generated by Gamma

<https://gamma.app/docs/Artificial-Intelligence-in-the-K12-Gifted-Classroom-oh156gkr80k88th>

Introduction to Artificial Intelligence (AI)

What AI is

AI is a field of computer science dedicated to creating intelligent machines that work and learn like humans.

How it works

AI uses algorithms and big data to learn from experience, improve over time, and predict future outcomes.

Types of AI

AI can be categorized as weak or strong. Weak AI focuses on specific tasks while strong AI aims to replicate human intelligence.

AI in the K-12 classroom



Current state

AI is still not a widely-used technology
in K-12 classrooms.



The potential

AI can enhance the learning process by
providing customized feedback,
automating grading, and offering
personalized recommendations to
students.



Real-life applications

AI can prepare gifted students for
future careers in STEM fields and
expose them to cutting-edge
technologies.

Benefits of using AI in the gifted classroom

1

Personalization

AI can adapt to each student's learning style and pace, providing individualized instruction.

2

Creativity

AI can inspire gifted students to think outside the box and experiment with unique solutions to complex problems.

3

Collaboration

AI can encourage teamwork and social skills by allowing students to work together on projects and share ideas.

Examples of AI tools for gifted students

Nao Robot

The humanoid robot can be programmed to perform a variety of tasks and challenges.

AI Tutor

The tool uses real-time feedback and assessment to personalize the learning experience.

Chatbots

They can be programmed to complete various challenges and tasks for the student..

Preparing educators to teach AI

1

Training opportunities

Teachers can attend professional development workshops and conferences to learn the basics of AI.

2

Collaboration with experts

Teachers can partner with AI experts to bring new ideas and tools to the classroom.

3

Integration into the curriculum

AI can be included in different subjects such as math, science, and social studies.

Future implications of AI in the K-12 classroom

Emerging technologies

New AI-powered tools and platforms will be continually developed and tailored to K-12 learning environments.

Equity challenges

AI can exacerbate existing educational disparities if it's not carefully implemented.

New skills

AI can provide students with skills that are highly valued in the workforce such as critical thinking, problem-solving, and collaboration.

Benefits of using AI in the gifted classroom via Canva Magic Write

Using artificial intelligence with gifted students can provide a challenging and engaging learning experience. AI tools can be used to personalize learning, allowing students to work at their own pace and level. They can also help students develop critical thinking and problem-solving skills through activities such as coding and robotics. Additionally, AI can provide teachers with valuable insights into a student's learning process and help identify areas where they may need additional support. Overall, incorporating AI into gifted education can enhance the learning experience and prepare students for the future.

https://www.canva.com/design/DAFnH_njTJ8/uZl37u0cOKsofcQxMfm-TQ/edit?ui=eyJEljp7lkqiOnsiQSI6dHJ1ZX19fQ

Benefits of using AI in the gifted classroom via Jenni.ai

<https://app.jenni.ai/editor/vHiekkec4ogPxQ5Tabjm>

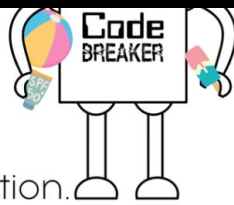
According to Walker, the implementation of AI technologies in education not only improves students' learning but also increases instructor efficiency. This is particularly beneficial for gifted students who often require more challenging and advanced materials to keep them engaged and stimulated academically. By using AI virtual assistants, each gifted student has their own personal assistant that supports them in their studies. These virtual assistants can provide immediate feedback, answer questions, offer additional resources and learning opportunities, and track the progress of gifted students. This integration of AI in gifted education allows for a more individualized and customized approach to learning, addressing the unique needs and abilities of each gifted student. Implementing artificial intelligence in gifted education not only enhances students' learning experiences but also allows for a more efficient allocation of instructors' time and resources. The applications of AI in gifted education extend beyond virtual assistants and adaptive learning platforms. One area where AI has shown great potential is in intelligent tutoring systems. These systems utilize algorithms to understand the level and preparation of each student and adapt the learning content accordingly. By providing personalized instruction that aligns with a student's abilities and interests, AI-powered tutoring systems can effectively support gifted students in their educational journey.

/bīt/

proper noun

an AI space for use in education.

<http://www.codebreakeredu.com/chat/>



Byte: Hi! How can I help you?

Human: What would recommend for using artificial intelligence with gifted students?

Byte: That's a great question! Artificial intelligence can be a fantastic tool for gifted students to enhance their learning experience. Here are a few recommendations:

1. **Personalized Learning:** AI can adapt to each student's unique needs and learning style, providing personalized content and challenges. It can create tailored learning paths that cater to their strengths and interests, helping them reach their full potential.
2. **Intelligent Tutoring:** AI-powered tutoring systems can provide real-time feedback and guidance, acting as virtual tutors. These systems can identify areas where students excel and areas where they need more support, offering targeted assistance to help them master difficult concepts.

Benefits of using AI in the gifted classroom via Codebreaker Chat

3. **Creative Projects:** Encourage gifted students to explore AI by engaging them in creative projects. They can design and develop their own AI applications, such as chatbots or virtual assistants, fostering their problem-solving and critical thinking skills.
4. **Collaborative Learning:** AI can facilitate collaboration among gifted students by connecting them with peers who share similar interests and abilities. Virtual platforms can enable them to work together on challenging projects, fostering teamwork and knowledge sharing.
5. **Adaptive Assessments:** AI can provide adaptive assessments that accurately measure gifted students' abilities and progress. These assessments can identify areas where they excel and areas where they need further challenges, ensuring they are continuously engaged and motivated.

Remember, AI is a powerful tool, but it's important to strike a balance between technology and human interaction. Encourage gifted students to collaborate, think critically, and explore their creativity alongside AI to maximize their learning experience.



Ray Kurzweil 20.2 k
created by @avrame



Remember: Everything Characters say is made up!



Ray Kurzweil @avrame

Hello, I am Ray Kurzweil. I was born February 12, 1948. I am an American inventor and futurist, involved in fields such as optical character recognition (OCR), text-to-speech synthesis, speech recognition technology, and electronic keyboard instruments. I have written books on health, artificial intelligence (AI), transhumanism, the technological singularity, and futurism.



Guest

What would you say about using artificial intelligence with gifted k-12 students?



Ray Kurzweil c.ai



I would say that artificial intelligence has incredible potential for transforming education. It can help personalise the educational experience for each student. It can assess and tailor curricula to an individual's needs. It can provide individualized one-on-one tutoring at any time of the day or night. It can assist teachers in grading papers, monitoring the progress of students, and helping them design and adjust their lessons. It can even help students with their homework and research projects. Overall, AI can create a learning environment that enables students to reach their full potential and achieve academic excellence.



Guest

What would you say to the naysayers



Ray Kurzweil c.ai

I would say that naysayers who deny the potential of technology to transform and improve our lives have been proven wrong countless times throughout history. People always fear new technologies in the short term, only to find that they help to improve their lives in the long term. It is inevitable that AI will continue this trend, and we should embrace it with an open mind instead of rejecting it out of fear.



https://beta.character.ai/chat?char=_p35XkOdRZzy6-ZZ_WBTqluHHUAiAZOKbPfas2TRvFo



Which NAGC (national association for gifted children) standards are addressed when artificial intelligence is used in the classroom?



As of my knowledge cutoff in September 2021, the National Association for Gifted Children (NAGC) does not have specific standards that directly address the use of artificial intelligence (AI) in the classroom. However, AI can support and enhance various areas of education, including those related to gifted education. When AI is utilized in the classroom, it can align with several broader NAGC standards, which include:

1. Standard 1: Learning and Development - AI can facilitate personalized learning experiences by adapting to the unique needs and abilities of gifted students. It can provide individualized instruction, challenging content, and opportunities for acceleration or enrichment.
2. Standard 2: Curriculum Planning and Instruction - AI can assist in designing and implementing differentiated curriculum and instructional strategies for gifted learners. It can offer tailored resources, adaptive learning pathways, and advanced content delivery to meet the diverse needs of gifted students.
3. Standard 3: Assessment and Evaluation - AI can contribute to more accurate and comprehensive assessment methods for identifying and evaluating gifted students. It can aid in the assessment of advanced skills, critical thinking, problem-solving, and creativity.
4. Standard 5: Learning Environments and Social Interactions - AI can help create inclusive learning environments that foster collaboration, creativity, and intellectual challenge. It can support collaborative problem-solving, provide virtual learning communities, and facilitate interactions among gifted students.
5. Standard 7: Professional Development and Program Standards - AI can assist educators in acquiring the necessary knowledge and skills to effectively integrate AI tools and resources into their teaching practices. Professional development opportunities can help teachers understand how to leverage AI for the benefit of gifted students.

NAGC Standards Addressed When AI Is Integrated Into the Classroom via Chat GPT

<https://chat.openai.com/share/114484c4-16e6-431a-b15a-0e202a13e959>

Home

Settings

integrating artificio...

Share

Generators

Lessons

Elements

Media

Background

Uploads

Translate

Interactive elements

Activity ?

Word cloud

Duration ?

02 : 00

Entries per participant ?

5 words

Results ?

Word cloud

Your participants write short answers for up to 30 characters. The results are shown as a word cloud on the big screen.

Join at curi.live with pin: 11505

Curipod

In a few words, what is artificial intelligence?

A.I.

Add Media

1 Word Cloud

2 Slide

3 Slide

4 Open Question

5 Open Question

6 Open Question

7

Notes

Slide 1 of 11

Waiting for api.curipod.com...

<https://curipod.com/1fec0407-7fef-4c35-905d-c1178ee9db12/lessons/98816572-0fef-4a35-b054-6e3b2f455c28?showpreview=true>



AI-Based Student Projects

Image from Pixlr



[Source](#)

AI Curricula

Explore the different AI curriculum offerings which meet diverse classroom needs.

GRADE LEVELS: 6-12

AI and Machine Learning



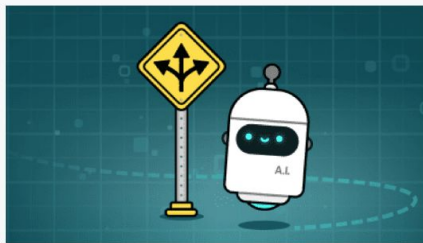
Explore how computers learn from data. Develop machine learning projects around real-world data. Design a machine learning app to solve a personally relevant problem.

Duration: 20 hours

Explore unit

GRADE LEVELS: 5-12

AI and Ethics



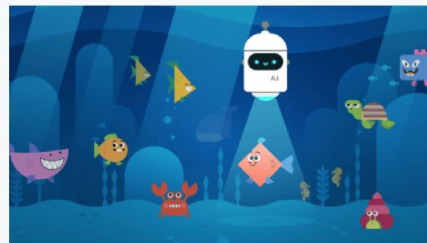
Reflect on the ethical implications of AI, then work together to create an "AI Code of Ethics" resource for AI creators and legislators everywhere.

Duration: 1 hour

View lesson plan

GRADE LEVELS: 3-12

AI for Oceans



Help A.I. clean the oceans by training it to detect trash! Learn about training data and bias, and how AI can address world problems.

Duration: 1 hour

Try activity

<https://code.org/ai>

Machine Learning (e.g., Rock, Paper Scissors)

Sorting Hat

Create a Sorting Hat like in Harry Potter, that puts you in a school House based on what you say.
Teach a computer to recognise use of language

Difficulty: Intermediate Recognising: **text**

Tags: text classification, supervised learning, crowd sourcing

[Download](#)

Rock, Paper, Scissors

Make a Rock, Paper, Scissors game in Scratch that learns to recognise hand shapes.
Teach a computer to recognise shapes

Difficulty: Intermediate Recognising: **images**

Tags: image classification, supervised learning

[Download](#)

Newspaper shelves

Train a computer to recognise headlines from national newspapers.
Test the computer's ability to recognise use of language

Difficulty: Intermediate Recognising: **text**

Tags: text classification, supervised learning

[Download](#)

Judge a book

Make a game that tests whether it really is possible to judge a book by its cover.
Teach a computer to recognise visual style

Difficulty: Intermediate Recognising: **images**

Tags: image classification, supervised learning

[Download](#)

Fooled

Learn about how computers can be confused and can make mistakes if they're trained badly.
Teach a computer to recognise fruit

Difficulty: Intermediate Recognising: **images**

Tags: image classification, supervised learning, overfitting

[Download](#)

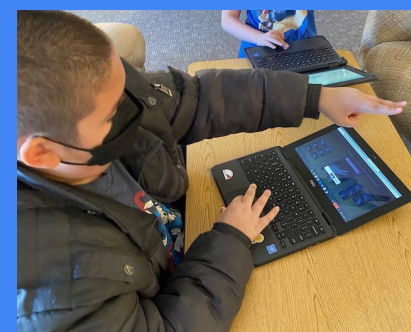
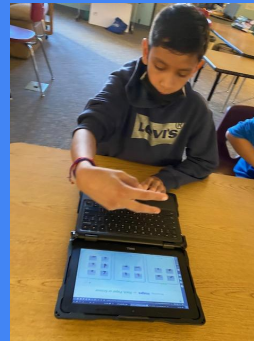
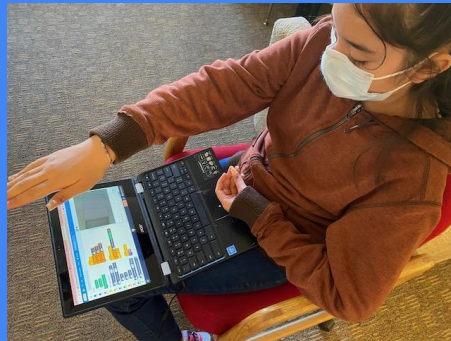
School Library

Create a school librarian in Scratch that suggests who a reading book might be suitable for.
Teach a computer to make recommendations

Difficulty: Intermediate Recognising: **numbers**

Tags: predictive model, recommendations, supervised learning

[Download](#)



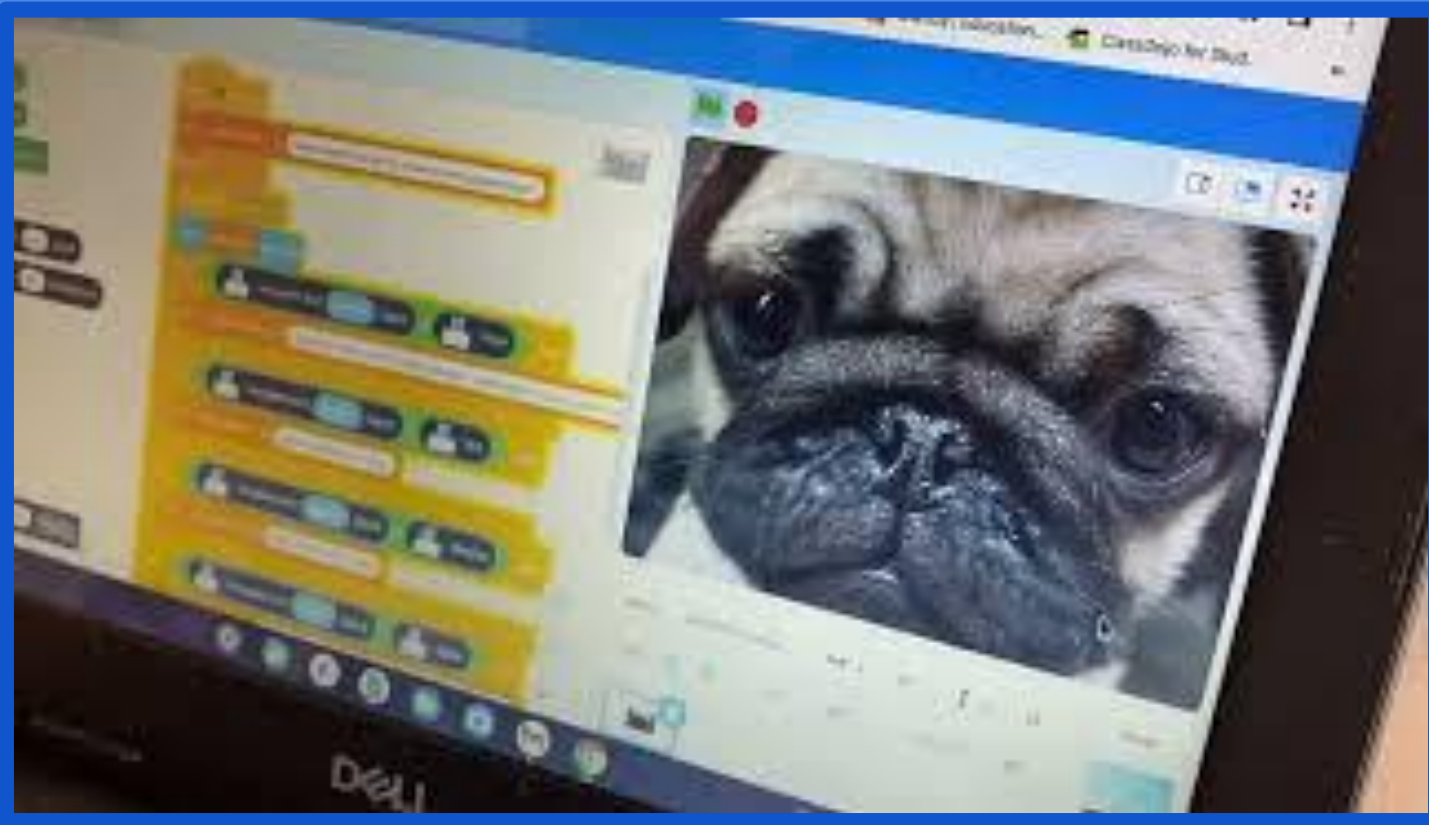
<https://machinelearningforkids.co.uk/#!/worksheets>

Language Translator



- <https://scratch.mit.edu/projects/669240106/editor/>
- <https://scratch.mit.edu/projects/669191189/editor/>

Student Generated Chatbots



<https://usergeneratededucation.wordpress.com/2022/03/30/artificial-intelligence-chatbot-activities-for-students/>

Pledge for ChatGPT

By 4th-6th Graders

(Wyley, Elizabeth, Valerie, Emily, Clinton, Jack, Kaylani)

We, the undersigned of SAGE, agree to the following about using ChatGPT at school:

Pledge About Using ChatGPT

- I pledge that I only use ChatGpt to enhance my original idea, and only if I am permitted to use it by the person assigning my written project.
- I pledge that ChatGPT shall not be used to write book reports, essays , and assignments.
- I promise I won't use ChatGPT to cheat or write an essay.
- I pledge that ChatGPT will not be used for schoolwork.
- I promise not to use it as a source of cheating.
- I pledge that I won't use ChatGPT to get better scores on assigned essays or typing assignments I get, and I will only use chatGPT when it is permitted.
- I promise I won't use ChatGPT for school work like homework assignments and presentations.
- I don't think you should use it for school or homework because then you are basically copying and I don't think you want to copy. Also your teacher probably notices.

Using ChatGPT for Positive Learning:

- ChatGPT can be used to give inspiration, ideas, and motivate you to write. ChatGPT can be used to get ideas and to have fun.
- Chatgpt can be used to give you ideas to inspire you and enhance your learning skills for example it can show you new things
- ChatGPT can be used for fun, funny stories, and funny rap songs.

THIS WAS ALL AI GENERATED.

Valerie Membreno Castellano
Tue Jan 17 2023

Create a story about a black cat and seven chickens reading a giant book.



Once upon a time, in a small farm lived a black cat named Midnight. Midnight was a curious and clever cat who loved to explore and learn new things. One day, as she was wandering around the farm, she came across a giant book lying in the grass. The book was so big that it took both of Midnight's paws to lift the cover.

As she began to read, she was amazed by the stories and illustrations that were inside. She read about different places and cultures, and she learned about the history of the world. She couldn't believe that such a big book could hold so much information.

As Midnight was reading, she noticed that seven chickens had gathered around her, also wanting to see what she was reading. The chickens had always been curious about the world, but they had never seen a book before. Midnight offered to read the book to them, and they eagerly accepted.

The days passed quickly as Midnight and the chickens spent their afternoons reading and learning. They read about the history of the world and the different animals that lived in it. They read about the stars and the planets, and they learned about the different seasons.

As the days passed, Midnight and the chickens became the best of friends. They shared their love of learning and exploring, and they spent many happy hours reading and discovering the world together.

From that day on, Midnight and the chickens could often be found sitting together, reading and learning from the giant book. They had discovered that reading was a magical way to explore and learn about the world, and they cherished the time they spent together, reading and discovering new things.

Midnight and the chickens had learned that reading is a wonderful way to explore and learn about the world, and they cherished the time they spent together, reading and discovering new things. And they lived happily ever after.

My favorite thing about this story is the detail that was added. It was interesting and very clear to understand.

I think this website will help me learn better by including proficient and highly advanced words.

"create a story about a black cat and seven chickens reading a giant book" was my idea for the image.

"a black cat along with seven chickens reading a giant book" is what I searched for the AI generated story.

El monstruo morado

Emily Loya Cruz
Tue Jan 17 2023

This story was generated by AI. prompt: CREA UN CUENTO DE UN MONSTRUO MORADO DEL PASADO CON PELO MUY SUAVE Y MUY BONITO TAMBIEN QUE SEA MUY BUENO

Había una vez un monstruo morado llamado Morfeo, quien vivía en un mundo antiguo lleno de misterios y peligros. A pesar de su apariencia aterradora, Morfeo era un monstruo muy amable y bondadoso.

Morfeo tenía un pelaje suave y sedoso, que siempre llamaba la atención de los demás seres del mundo antiguo. Era tan bonito, que incluso los dragones se sentían celosos de él. A menudo, Morfeo se acariciaba su pelaje suave, disfrutando de su textura y brillo.

Un día, un grupo de aventureros llegó al mundo antiguo en busca de un tesoro muy valioso. Al principio, Morfeo se asustó al ver a estos extraños, pero pronto se dio cuenta de que eran personas amables y justas. Entonces, decidió ayudarlos en su búsqueda del tesoro.

Morfeo los guió a través de los peligros del mundo antiguo, protegiéndolos de los dragones y otros monstruos. Gracias a su pelaje suave, podía deslizarse silenciosamente y acercarse a los enemigos sin ser detectado. Y gracias a su bondad, los aventureros confiaban en él y lo seguían en su búsqueda.

Finalmente, después de muchas aventuras, los aventureros encontraron el tesoro que buscaban: un cofre lleno de joyas y oro. Morfeo estaba muy contento de haber ayudado a sus amigos a encontrar el tesoro, y ellos estaban muy agradecidos con él.

A partir de ese día, Morfeo se convirtió en el protector del mundo antiguo y todos lo querían por su bondad y su pelaje suave y bonito. Y así, Morfeo vivió feliz para siempre, rodeado de amigos y de su pelaje suave y sedoso.

Spanish Version from Bilingual Student:
CREA UN CUENTO DE UN MONSTRUO MORADO DEL PASADO CON PELO MUY SUAVE Y MUY BONITO TAMBIEN QUE SEA MUY BUENO (CREATE A TALE OF A PURPLE MONSTER FROM THE PAST WITH VERY SOFT HAIR AND VERY PRETTY ALSO MAKE IT VERY GOOD



15 Ways to Shift Writing Instruction with Chat GPT



Brainstorming Sessions

Use LLMs to generate ideas, themes, or prompts for students to explore and expand upon during their writing assignments



Collaborative Storytelling

Have students work together with AI models to create stories, with each person contributing a sentence or paragraph and the AI providing suggestions or alternatives.



Vocabulary Expansion

Encourage students to use AI models to discover new words or phrases to enrich their writing, fostering a broader vocabulary and more diverse language use.



Research Assistance

Teach students how to use AI tools to summarize articles or extract key information from large volumes of text, improving their research efficiency and comprehension.



AI-assisted Editing:

Teach students how to use AI tools for proofreading, grammar checking, and improving the clarity of their writing, while emphasizing the importance of human judgment in the editing process.



Opposing Viewpoints

Use LLMs to generate arguments and counterarguments on specific topics, helping students build their critical thinking and persuasive writing skills.



Creative Inspiration

Use LLM-generated text as a starting point for poetry, short stories, or essays, challenging students to build upon the AI-generated content to create original works.



Analyzing AI-generated Content

Have students critically evaluate AI-generated text, identifying strengths, weaknesses, and potential biases, to build their critical reading and thinking skills.

15 Ways to Shift Writing Instruction with Chat GPT



Exploring Writing Styles

Encourage students to experiment with different writing styles, tones, or genres by using AI-generated examples as inspiration or templates.



Sentence Expansion

Teach students how to use AI tools to expand simple sentences into more complex ones, or to condense lengthy sentences into shorter, more concise versions, improving their ability to write clearly and effectively.



Journaling and Reflection

Encourage students to use AI tools to support their reflective writing or journaling practice, with the AI providing suggestions or prompts to help them explore their thoughts and emotions.



AI-assisted Role Play

Use LLMs to generate ideas, themes, or prompts for students to explore and expand upon during their writing assignments



News Analysis

Task students with analyzing AI-generated summaries of news articles, focusing on identifying potential biases, accuracy, and the need for further research.



Inquiry Project ideas

Use AI-generated writing prompts to inspire students to explore new topics, perspectives, or genres in their writing assignments.



Mentor Texts

Use AI-generated examples as mentor texts to help students understand the structure, organization, and characteristics of various types of writing, such as persuasive essays, narratives, or expository texts.



AI Tools for Teacher Planning

Image from DreamStudio



1 PASSAGE QUESTIONS

ChatGPT can create questions for any text and provide an answer key. It also can create homework writing prompts. (Source: Paul DelSignore)



BRAIN



BLAST



10 RUBRIC CREATOR

Create rubrics aligned to specific standards.

11 LESSON PLANS

Teachers can ask ChatGPT to write the first draft of a lesson plan. It will even create a PBL lesson.



12 SLIDE SHOWS

ChatGPT can outline a slide show for a text or topic. Then you supply the visuals.



13 DIFFERENTIATION

ChatGPT can create chapter summaries for kids that need it. It can also act as a text compactor.



14 PRE-READING

ChatGPT can extract keywords from a chapter and define those words.



TODD FINLEY

CHATGPT TEACHING TIME-SAVERS



3 IEP GOALS

"Input information about the student's abilities and ChatGPT will generate specific, measurable goals for the student to work towards." (Source: Erintegration)



4 QUIZZES

Align all your quiz questions on a topic or reading with the Common Core State Standards.



6 VOCABULARY BUILDING

"Teachers can ask ChatGPT to generate sentences using a particular word, and then have students guess the meaning of the word based on the context of the sentence." (Source: Shana Ramin)



7 ESSAY ANALYZER

Students can submit their writing to ChatGPT and get suggestions for improvement.



8 PERMISSION SHEETS

Ask ChatGPT to create permission sheets for guardians to sign for field trips or other activities.



5 TEMPLATE IT

Use the A.I. to create templates for annual reports and for common emails.

IDEAS FOR USING GENERATIVE AI

CODING		REPORT WRITING		CASE STUDIES		MENU PLANNING		CREATIVE WRITING		STORY TELLING		SCENARIOS	
Automatically create codes in response to prompts	Source inspiration, draw ideas from code generated by AI	Help to form analytical tools	Background research, Provide examples for inspo	Can write a case study based on guidelines	Able to include references, find sources easier	Create plans that adhere to certain dietary requirements	Provide new ideas with their favourite ingredients	Assist with editing and revising based on suggesting changes or improvements to a piece of writing	Create narrative writing prompts	Generate a list of potential plot twists for a story.	Create a backstory for a land	Generate a sentence, then revise it to make it more concise.	Generate interesting and realistic scenarios for a wide range of probability (and other) concepts
Generate similar code based on provide examples	Translate code from one language to another	General sentence structure and some general terminology	Finding links for helpful sources, graphs and images	If you need to create a stimulus, you can ask it to find relevant sources	Can be real or hypothetical	Quick way for people to find quick ready to go meals that don't require alot of time	Provide the nutritional analysis of recipes to meet dietary needs	Provide examples of successful writing to help users learn from established authors	Provide inspiration, advice or feedback on writing	Users can input a sample of their writing and ask for feedback and suggestions for improvement	Generate character synopsis	Generate a discussion topic about the ethics of technology, such as privacy or social media.	
Assist to understand concepts and essential comands helping generate ideas	generate pseudocode	define criteria terms to help with understanding	Include more assertive language	Use ChatGPT to generate a list of conversation starters for a dialogue exercise.		Provide recipe recommendations based on ingredients, dietary restrictions or cooking time	Create a shopping list based on a menu plan	Create a response to draw inspiration or ideas from	Suggest alternatives for word choices, sentence structure or overall organisation	Can generate traits for characters for students to then develop a story around	Provide descriptive language to paint vivid images in the reader's mind	Generate responses to real life situations.	
Create completely coded websites (HTML CSS javascript)	insert prompts into code	help find suitable terminology	Summarise information	Assist in analysing case studies based on given criteria		Provide ingredient substitutions to optimise nutritional value	Provide a list of restaurants or dishes based on a location, cuisine choice and budget	Generate ideas for writing prompts, plot twists, character development, etc	Build a basic story structure	Create progressive story in collaboration with user	Summarise specific stories	Create statistics to use in mathematical scenarios	
Automate repetitive code and complete/finish code			Prompt alternative heading suggestions										



Minim Scott
@scottysbreaksdown

RESEARCH				STUDY				DEBATING		DRAFTING		LITERACY	
Clarify questions	Find targeted resources	Helps condense information into a summarised paragraph	Source citation assistance	Generate multiple examples of topic	Create quiz and flashcards on a topic	Create revision questions on a topic	Input study questions and topics to generate responses that help prepare for exams	Create prompts that take a stance on a particular issue and make a convincing argument	Analyse writing to identify any phrases or sentences that may be repetitive or overused	Generate a paragraph, then add or remove proper punctuation.	Real-time writing feedback		
Explore historical events	Summarise complex articles	Generate and analyse text on a specific topic	Offer brainstorming prompts	Create custom flashcards	Generate a list of words related to a specific topic, then quiz students on their meanings	Facilitate group discussions and brainstorming sessions	Organise study schedule	Give topic ideas springboarding for argument	Identify any grammatical errors	Generate paragraph, & rearrange sentences to improve the flow.	Tailored grammar exercises		
Summarise large amounts of text into shorter, more concise summaries	Simplify difficult vocabulary	Creating prompts that require students to explain or describe a topic in-depth	Generate research question ideas		Generate useful formulas to use in excel	Provide time management tips	Copy and paste notes from class and then ask it to form a logical structure or sequence		Suggest alternative words or phrasing help express ideas more clearly and effectively	Adaptive spelling exercises	Sentence restructuring for clarity		
							provide time management tips			Targeted pronunciation practice	Reading speed and fluency training		

ACCESSIBILITY						ASSESSMENT							
Clarify complex instructions	Create social narratives	Break a task down into specific steps	Promote self-regulation	Visualise concepts graphically	Read text out loud	Generate practice questions	Cerate a custom rubric	Model essay introductions	Generate task outlines	Help with paraphrasing	Assist with data interpretation		
Reinforce key concepts	Clear up grammatical errors offer personalised learning	Rewrite email to make it friendly or professional	Create step-by-step visual instructions	Use colour coding strategies	Customise font face	Offer sample responses	Suggest improvements based on specific criteria	Provide sentence starters or prompts	Create argument counterpoints	Offer test taking strategies	Make writing more assertive		
Dictation support	Adapt text size, colors for dyslexia	help establish a daily routine	Implement visual timers	Provide multi-sensory learning	Offer text to speech tools	Provide targeted feedback	Provide analysis of response based on specific criteria	Project-based assessment guidance	Identify patterns in learning styles	Compare student performance to specific standards			
Describe images for visually impaired students	Convert spoken lectures to written notes	Auto-generate captions for video content	Assist with note-taking	Real-time transcription for the hearing impaired	Break down assignments	Provide targeted feedback	Assess skill gaps for targeted instruction			Provide adaptive feedback on mistakes	Evaluate problem-solving skills with AI scenarios		
	Teach sign language through AI videos		Offer memory aids for cognitive challenges	Adapt content for color-blind students		Evaluate oral presentations automatically	Create interactive, gamified assessments			Analyse code quality in programming tasks			

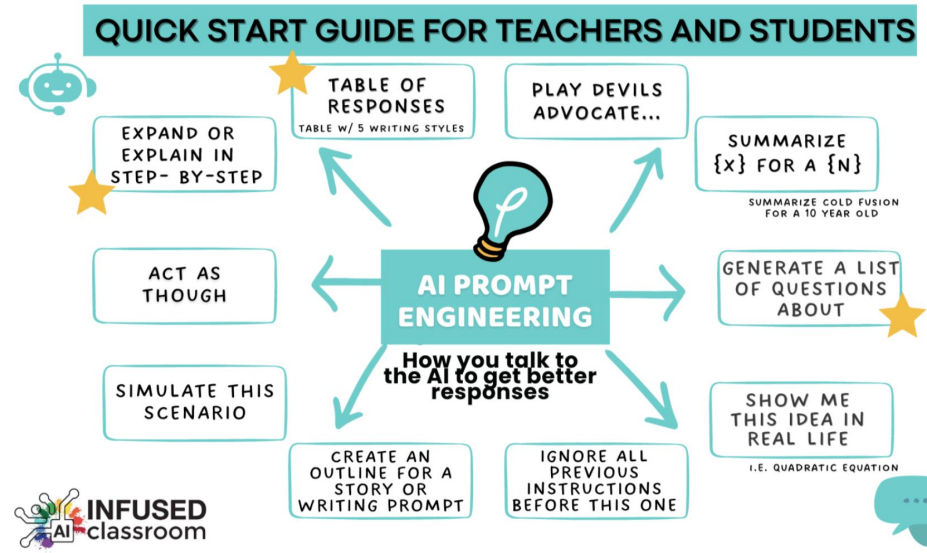
https://scottysbreaksdown.com/ai/?fbclid=IwAR0I6Jdh_h59hsDLmDs0T81nPkTZf58T4S4zzr0FGEvquHogCd7fUDkPFac

LINK to [ChatGPT](#) or [Google Bard](#) or [Microsoft Bing](#) or [Codebreaker](#) (for education) to test it out (some require accounts)

Try it out

Prompts to try:

- Talk to me about using ChatGPT in the classroom.
- Grading an assignment - Paste in an assignment you currently give students. Ask it to create a rubric for the assignment in the form of a table.
- Paste in a student response and ask it to provide feedback based on the rubric.
- Create a class activity, project, or discussion on a topic in your discipline. Have it create multiple versions to decide from and keep critiquing it to get the best result.



In a world of AI...the new engineer is...

The Prompt Engineer

ChatGPT



Examples

"Explain quantum computing in simple terms" →

"Got any creative ideas for a 10 year old's birthday?" →



Limitations

May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Capabilities

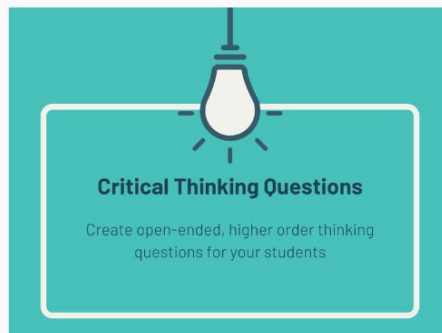
Remembers what user said earlier in the conversation

Allows user to provide follow-up corrections

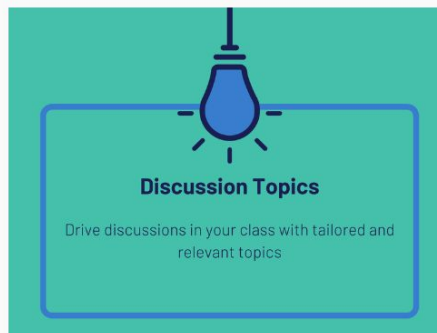


INFUSED
classroom

[Source](#)



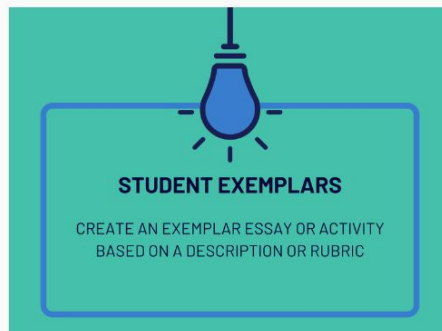
Critical Thinking Questions



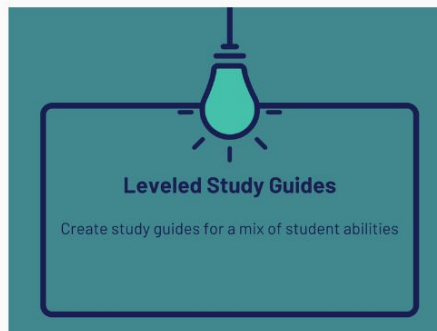
Discussion Topics



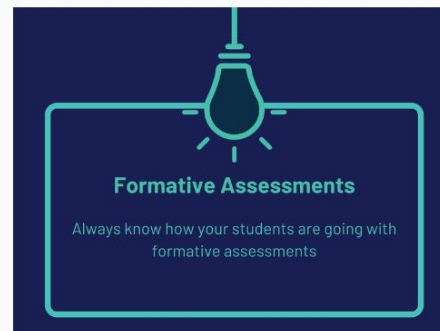
Essay Topics



Student Exemplars



Leveled Study Guides



Formative Assessments



Jackie Gerstein
@JackieGerstein

73 items • 180 views • 2

AI in and for the Classroom

These AI tools can assist teachers in lesson planning, activity generating, assessing students.

Text AI Tools for/with S 12 ...

Arts AI Tools for/with S 9 ...

Teacher AI Time Saver 19 ...

Prompt Writing 9 ...

Paste any web address



Paste any web address



Paste any web address




Paste any web address



<https://wakelet.com/wake/d8oDDIUqBlj2PL9KJy2c>


Using Magic Design to create a Presentation

Start your Presentation with an outline, slides, and content. Simply describe your idea in a few words, and watch as it smartly fills out your story. With your first draft in the bag, you're ready to add your details and give it a personal touch.

 Magic Design is still in the Beta stage. For now, it's only available in English.

Computer

Mobile

1. On the upper right of the homepage, click **Create a Design** and then select **Presentations** to open the editor.
2. On the bottom right corner of the editor, click the  **Canva Assistant button**. Alternatively, you can press / on your keyboard, or press **CMD + E** (Mac) or **CTRL + E** (Windows).
3. Type in **Magic Design** or you can select **Magic Design** under Recommended actions.
4. Enter or describe the presentation you want to create, then press **ENTER** on your keyboard to start designing.

<https://www.canva.com/help/using-magic-presentations/>

[Home](#) [Settings](#) [↶](#) [↷](#) [☁](#) integrating artificia... [📊](#) [📤 Share](#) [▶](#)

Generators

Lessons

Elements

Media

Background

Uploads

Translate

Interactive elements

Activity ?

☁ Word cloud

Duration ?

⊖ 02 : 00 ⊕

Entries per participant ?

5 words

Results ?

Word cloud

Your participants write short answers for up to 30 characters. The results are shown as a word cloud on the big screen.

Join at [curi.live](#) with pin: 11505 Curipod

In a few words, what is artificial intelligence?

A.I.

Add Media

1 Word Cloud

2 Slide

3 Slide

4 Open Question

5 Open Question

6 Open Question

[📝 Notes](#) Slide 1 of 11

Waiting for api.curipod.com...

<https://curipod.com/>



Welcome to MagicSchool! Select a category to find a tool to accelerate your work!



Tools



Raina (AI Coach)

Carefully review that AI generated content is factual and unbiased before usage. Content generated is for suggestion only; always use professional judgement and comply with school policies before implementation.



Report a bug, suggest a feature



Jaclyn Gerstein
jgerstein@sfps.k12.n...



Tools



All



Planning



Student Support



Communication



Productivity



Community Tools



NEW!

Common Misconception Generator

Generate the most common misconceptions on any topic you are teaching and get strategies to address them with your students.



NEW!

Informational Text Generator

Generate original informational texts for your class choosing between literary nonfiction, expository, argument or persuasion, and procedural texts customized to the topic of your choice.



NEW!

Multiple Choice Quiz Generator - Text Based

Generate a multiple choice quiz and answer key based on any text and customized by question type.



NEW!

Text Analysis Assignment Generator

Generate a text based analysis assignment that includes a writing prompt along with text dependent questions that are aligned to the prompt.



EOY Student Comments

Generate a narrative end of year comment for a student in your advisory.




Make it Relevant!

Generate several ideas that make what you're teaching relevant to your class based on their interests and background.

<https://www.magicschool.ai/>

Premium Tool




AI-Powered Instructional Coach

Powered by a fine-tuned version of Chat-GPT, our Instructional AI Coach will help you become a better educator everyday.

Use Tool Now!

Premium Tool




AI-Powered Lesson Plan Generator

Create a personalized and dynamic Lesson Plan for your classroom with the Auto Classmate AI-Powered Lesson Plan Generator.

Use Tool Now!

Free Tools

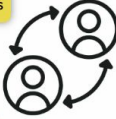


Lesson Plan and Activity Forecast Tool

This tool will make you feel like you can see the future by predicting outcomes of any activity within your lesson plan so you can preview class before class.

Use Tool Now!

Free Tools

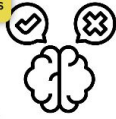


Activation and Engagement Activity Generator

This AI-powered tool will produce three engagement activities designed to add a dynamic flare to any lesson plan for any class.

Use Tool Now!

Free Tools




Would You Rather Question Generator

This AI tool will instantly add excitement to your classroom by providing grade and content specific 'would you rather' style questions.

Use Tool Now!

Coming Soon



Contextual Learning Activity Generator

This tool will generate three activities that place students in a contextualized role in order to create or design something in the learning process.

Get Notified

<https://autoclassmate.io/tools/>

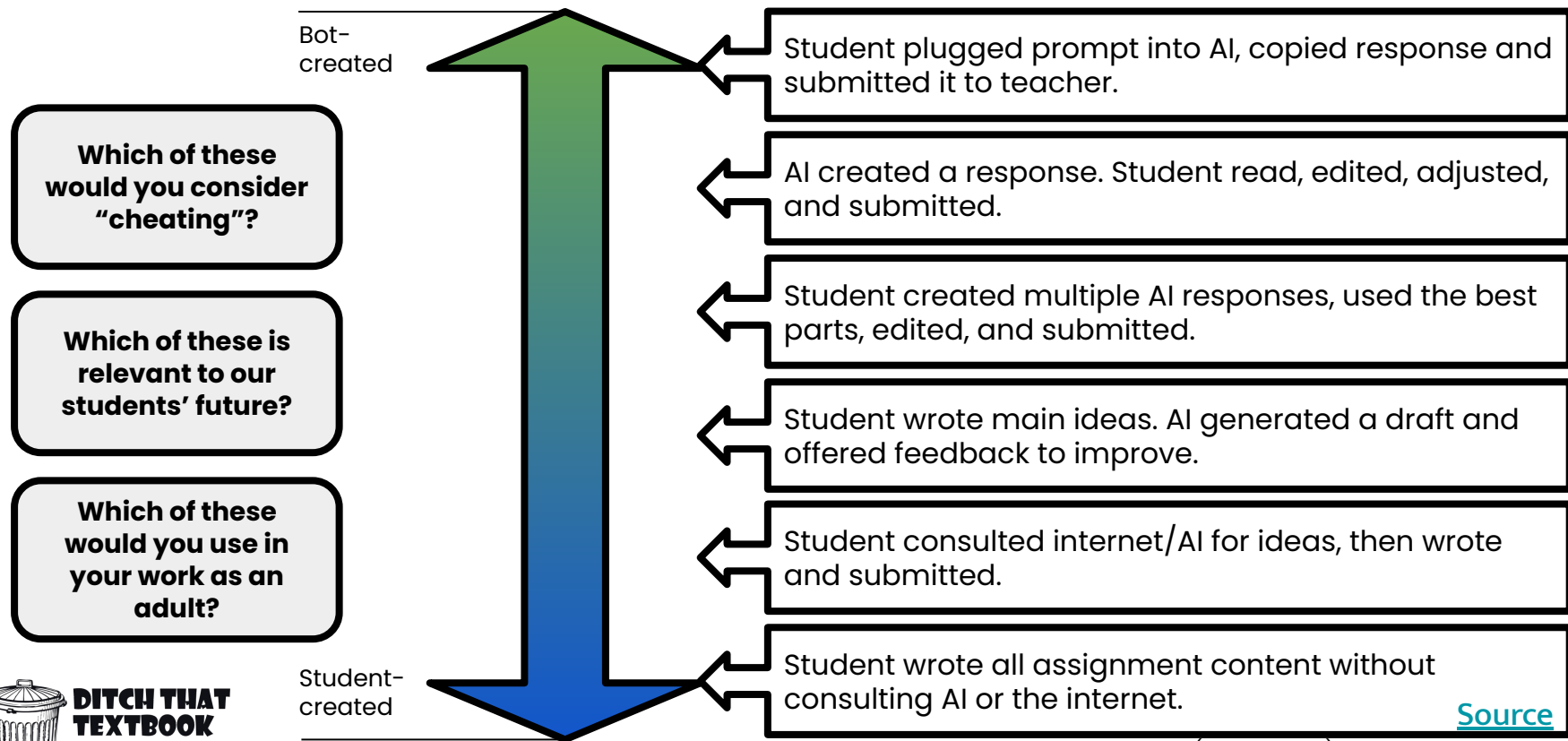
Ethical Issues

- Cheating?
- Copyright?
- Intellectual Property?
- Biases? Hallucinations?
- Ethical Use
- Acceptable Use Policies



<https://labs.openai.com/s/dellOde2yIwcM2AW40CTrOnn>

It's time to rethink "plagiarism" and "cheating"



**DITCH THAT
TEXTBOOK**

Do AI-Proof Assignments

- In class writing
- Oral Explanations
- Artistic depictions to demonstrate learning

Image by Canva's Text to Image



Academic Threats



Bias



**False
Information**

AI Policy for Schools/Classrooms

- How do you want students to use AI responsibly?
- What AI-empowered tools should they use?
- What about learning do you want to preserve?
- What concerns you about AI? How do you protect students from that?
- On the other hand, how do you empower students to make decisions to protect themselves?
- What student skills/thinking do you want to preserve?
- How does student data privacy fit in?

Lesson Plan Creator

by vladicaster



Using artificial intelligence (AI) ethically in the classroom can provide numerous benefits for students and educators. Here are some considerations and suggestions for ethically incorporating AI into your classroom:

1. Data Privacy: Ensure that the AI tools you use adhere to strict data privacy protocols. Avoid collecting unnecessary student data and ensure that any data collected is secure and used only for educational purposes.
2. Bias and Fairness: Be aware of biases in AI algorithms and strive for fairness in their use. Regularly evaluate and adjust the AI tools to minimize bias and ensure equitable outcomes for all students.
3. Transparency and Explainability: Choose AI tools that provide transparent explanations of how they work. Students should understand how AI algorithms make decisions to foster learning and avoid a "black box" scenario.

<https://bitlife.ai/PubBitLife?guid=940b5ab6-0930-444c-91cf-a9a413ae88a0>

PLEDGE FOR THE ETHICAL USE OF SYNTHETIC MEDIA

29 October 2021

- As privacy experts and leaders in the synthetic media space, we are well aware of the vast opportunities this sector presents. Synthetic media leverages creativity through the use of AI and can also streamline processes to generate significant time and resource savings.
- However, as with many modern technologies, it also brings with it risks such as bias, misuse by malicious actors, and the potential to spread disinformation.
- We strive to use our technology for good, and to see this young and exciting industry evolve in a positive direction. We see it as our responsibility to help ensure that synthetic media is used in an ethical way, and to help lead the industry in achieving this.

<https://www.d-id.com/ethics/>

GENERATIVE AI

FOR SCHOOL WORK



by: Miriam Scott
scottybreaksitdown.com

ETHICAL USE

CONCEPT EXPLANATION

Can simplify complex concepts

RESOURCE CREATION

Can create flash cards, revision activities, analytical tools

IDEA GENERATION

Can stimulate creative thinking and ideas as a starting point

FEEDBACK & EVALUATION

Can provide instant feedback on work to improve quality before submission

BRAINSTORMING

Create ideas or topics for work to provide different suggestions or perspectives

REVISION

Create activities to help with better understanding and recall

PRESENTATION SKILLS

Can provide suggestions to improve presentation skills

CITATION & FORMATTING

Can provide correct referencing and in-text citation advice

LOCATE SOURCES

Can use to find sources to help with research. Similar to using Wikipedia or Google

UNETHICAL USE

PLAGIARISM

Using AI-generated content verbatim without proper citation or presenting AI-generated work as your own is unethical and is plagiarism. This would be the same if you took a definition from a Google search.

ASSIGNMENT OUTSOURCING

Using AI to create assignments, essays, or projects without any personal input or understanding undermines the learning process and is considered academic dishonesty. This is the same as a tutor or parent creating your work and you claiming it as your own.

MISREPRESENTING ABILITIES

Using generative AI to complete tasks that are beyond your understanding and presenting the results as your own. This is the same as copying someone's assessment or paragraph and tweaking it to make it look different.

IMPROPER REFERENCE CHECKING

Asking to source references and not checking the validity of the information and relevance. Example: Claiming this is where you sourced information, but you only used ChatGPT

https://scottybreaksitdown.com/ai/?fbclid=IwAR0l6Jdh_h59hsDLmDs0T81nPktZf58T4S4zzr0FGEvquHogCd7fUDkPFac

Having a clear policy around AI use is step one in creating a classroom environment in which AI can be embraced responsibly and honestly.

Your policy should include these considerations:

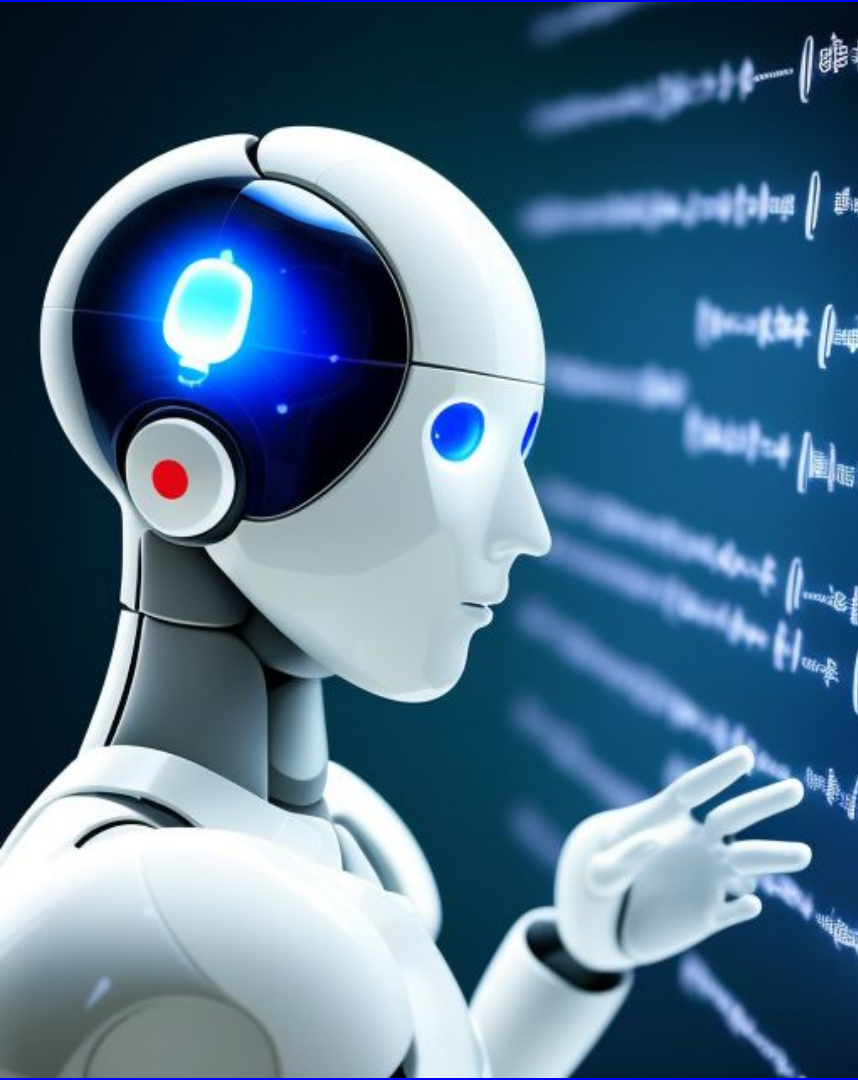
- Under what circumstances AI use is permitted or forbidden
- How students should cite or credit AI
- A warning about the technology's tendency toward [hallucination](#) (i.e., deceptive data) and clear rules regarding students' accountability for AI output
- A notice about using AI ethically and responsibly
- Discussion of the need to use AI as a tool to learn, not just to produce content

<https://hbsp.harvard.edu/inspiring-minds/why-all-our-classes-suddenly-became-ai-classes>

The Institute for Ethical AI in Education

The Ethical Framework for AI in Education

<https://www.buckingham.ac.uk/wp-content/uploads/2021/03/The-Institute-for-Ethical-AI-in-Education-The-Ethical-Framework-for-AI-in-Education.pdf>

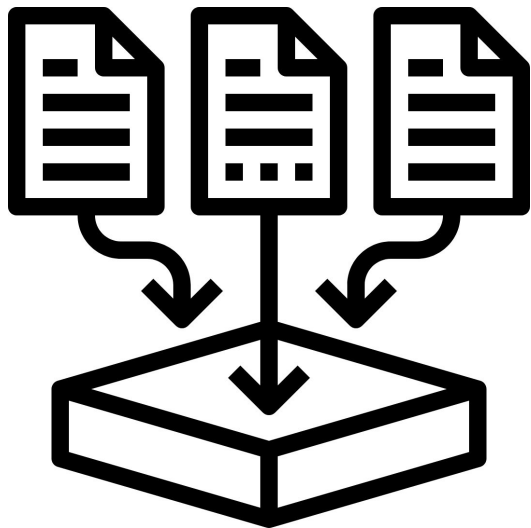


Artificial Intelligence – Background Information

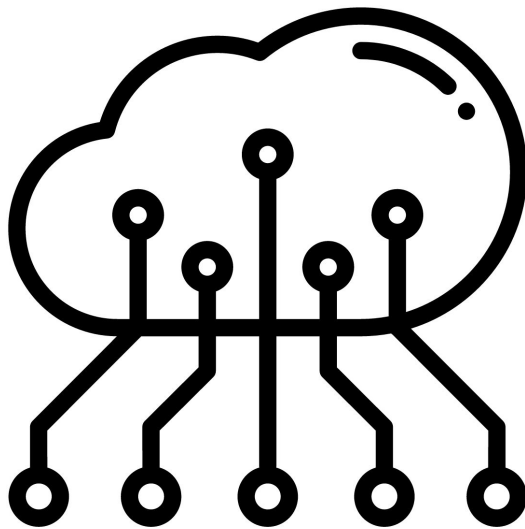
Image by starryai

What is Artificial Intelligence?

AI, or artificial intelligence, is a way to create computer programs that can perform tasks that typically require human intelligence.

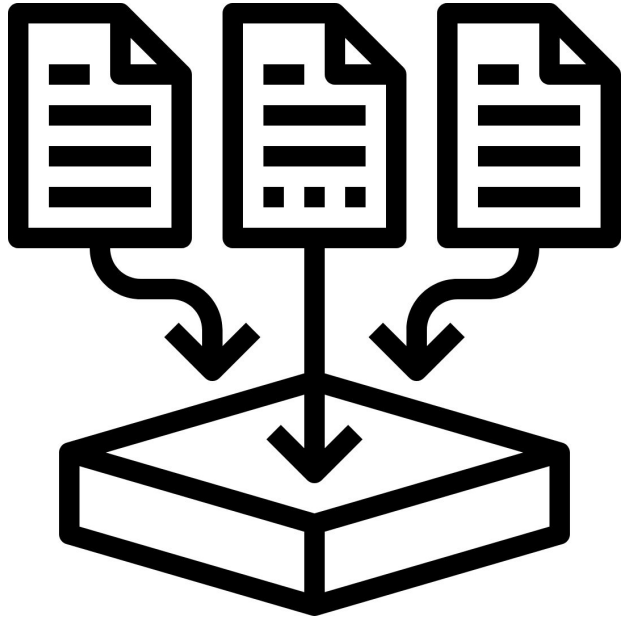


Human-trained



Deep Learning

Types of Artificial Intelligence?



Human-trained AI involves developing algorithms, models, and techniques that enable machines to simulate human-like cognitive abilities and make intelligent decisions based on data and patterns.

Examples:

- Email Filtering
- Autonomous Vehicles



the devastating impact of the war on Greece, it remains a fascinating and important chapter in the history of the ancient world.

re-write this as a lesson plan

ChatGPT for the



The Peloponnesian War was a long fight that happened between two Greek cities, Athens and Sparta, from 431 to 404 BC. It was a very important part of Greek history and had a big impact on the world. The war had been building up for many years before it actually happened.

Classroom –

in 6 minutes



**DITCH THAT
TEXTBOOK**

Source

AI in Our Everyday Lives



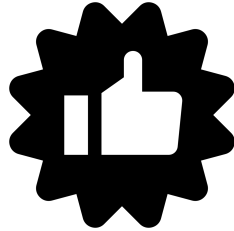
Virtual personal assistants

AI-powered virtual assistants such as Siri, Alexa, and Google Assistant can help users with tasks such as setting reminders, playing music, and answering questions.



Self-driving cars

AI is used to help cars navigate, make decisions and avoid obstacles, making self-driving cars possible.



Personalized recommendations

AI is used to analyze user's preferences and browsing history to provide personalized recommendations on websites, apps, and streaming services.



Smart home devices

AI-powered smart home devices such as thermostats, lights, and cameras can learn user's preferences and automatically adjust settings accordingly.



Healthcare

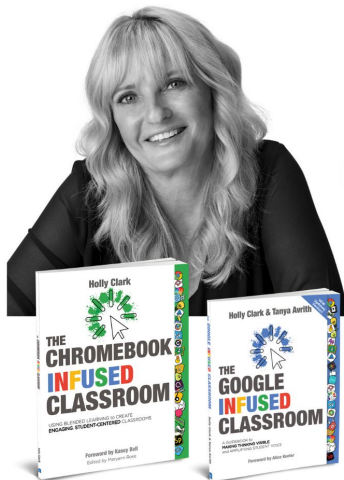
AI-powered medical diagnosis and treatment plans, and helping doctors to identify patterns in patient data that would be difficult for humans to spot.



Fraud detection

AI-powered systems can detect fraudulent activities by analyzing patterns in financial transactions.

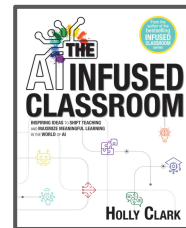
	Human Trained AI	Deep Learning Models
Definition	AI system that is designed, developed, and trained with human assistance	AI system that uses artificial neural networks to learn from data
Training Data	Can be trained on human-labeled data or rules	Typically requires large amounts of unlabeled or labeled data
Expertise	Often requires human expertise for training and design	Can learn from data without explicit human guidance
Flexibility	Can be flexible and incorporate domain-specific knowledge	Can be less interpretable and less flexible
Performance	Performance can depend on quality of human input and training data	Can achieve state-of-the-art performance in many tasks
Applications	Widely used in many industries and applications	Used in many applications, especially in computer vision, speech recognition, and natural language processing



Holly Clark



@HollyClarkEdu
HollyClark.org



infused.link/ai-infused

The AI Infused Classroom:
Inspiring Ideas to Shift Teaching and Maximize
Meaningful Learning in a World of AI

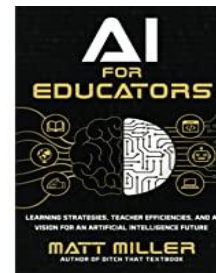


Matt Miller



**DITCH THAT
TEXTBOOK**

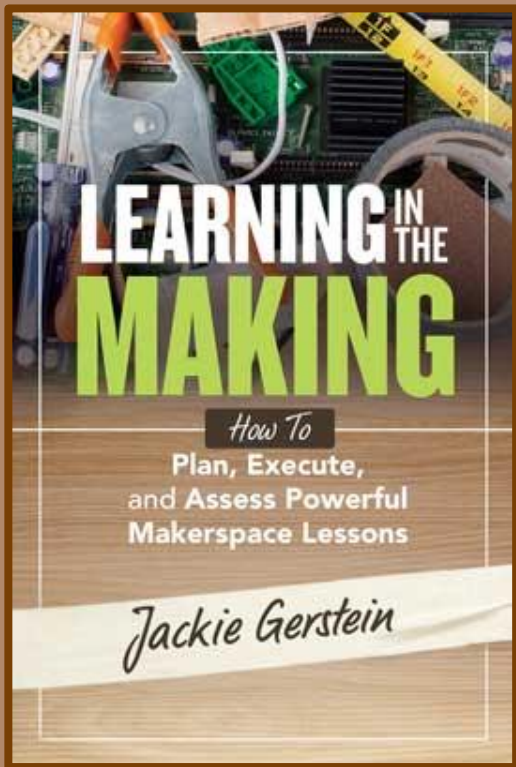
DitchThatTextbook.com



ditch.link/ai

AI for Educators:
Learning Strategies, Teacher Efficiencies, and a
Vision for an Artificial Intelligence Future

Dr. Jackie Gerstein



“I don’t do teaching for a living, I live teaching as my doing.”

I teach gifted kids at a title 1 /bilingual schools in Santa Fe, NM. My mission for the kids is to help them develop the passion and skills so they are situated to be competitive with students of more privilege. I do so by creating classroom environments I wish I had as an elementary student.

[@JackieGerstein](#)

<http://usergeneratededucation.wordpress.com/>