

# Revolutionizing Special Ed with Smart Tech

An Intro to Artificial Intelligence

*With Karlyn Keller, Ed.D.*

Contributions of Artificial Intelligence: This presentation was developed with the assistance of an artificial intelligence tool, specifically a large language model (LLM). The AI provided support in generating textual content, augmenting data analysis capabilities, and aiding in the development of insights.

# Session Description

This introductory session will explore AI's potential to customize learning experiences and streamline administrative tasks, highlighting how these technologies can enhance educational outcomes for special education students. Engage in discussions and see practical demonstrations to understand the role AI can play in revolutionizing special education. Learn about the benefits and applications of AI and envision a future where technology empowers educators and students in the special education landscape.

# Presenter – Karlyn Keller

Karlyn Keller serves as division director of Student Solutions and School Medicaid Services, where she leads a team of educational professionals in serving school districts' special populations programs.

Keller has more than 30 years in education, beginning as a substitute teacher in 1992. During her time in education, she has served as elementary, secondary and 18+ teacher, school counselor, educational diagnostician, campus administrator, director of various special populations programs, and assistant superintendent. She joined TASB in 2015 in Special Education Solutions.

Keller is a graduate of East Texas State University, where she received a bachelor's degree in education with a concentration in special education and psychology and has a bachelor's degree in cross-cultural communication from Southwest Assemblies of God University. She earned a master's degrees in special education and in counseling from Texas A&M University – Commerce, and master's degrees in educational administration and in gifted and talented from the University of North Texas. She also earned a doctorate in education from the University of North Texas.



Let's explore what drives world-changing innovations.

## HINGES OF HISTORY



From  
TASA's "Leading  
& Learning in the  
World of AI" with  
George Couros  
and A.J. Juliani

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**Radio and Television:  
Broadcast to the Masses  
(Early 20<sup>th</sup> Century)**



**The Printing Press (15<sup>th</sup> Century):  
Igniting the Information Revolution**



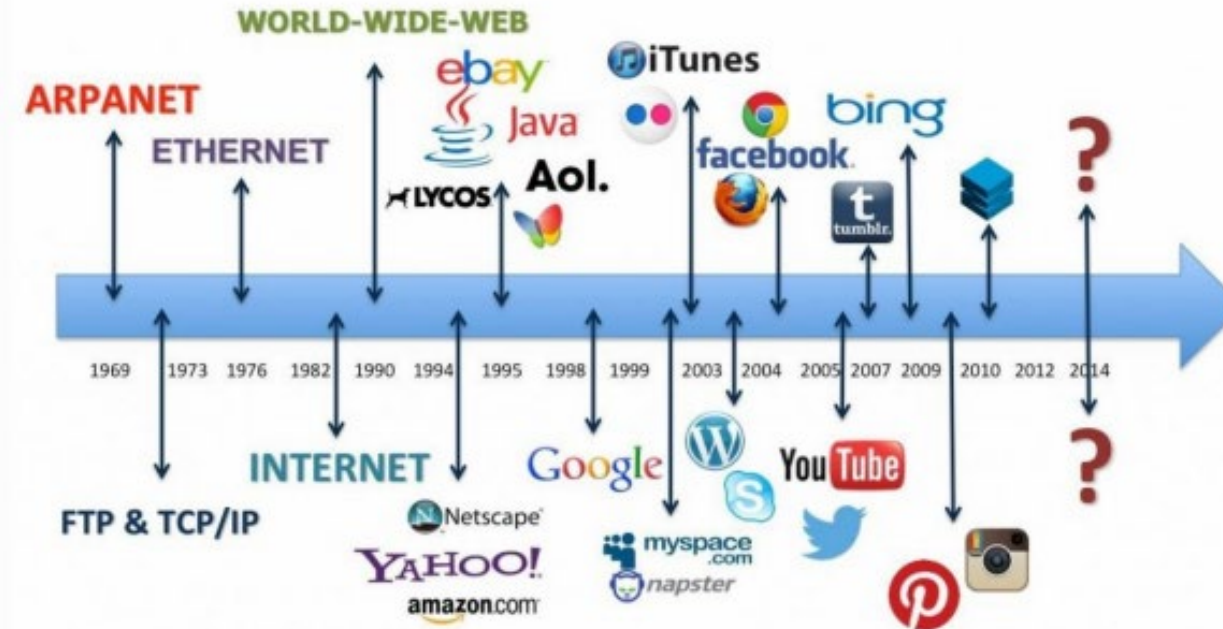
**Telegraph and Telephone:  
Linking the World (19<sup>th</sup> Century)**



**Computer Revolution:  
The Digital Age  
(Mid 20<sup>th</sup> Century)**



# The Internet: A Global Network (Late 20<sup>th</sup> Century)



From TASA's "Leading & Learning in the World of AI" with George Couros and A.J. Juliani

**1950s:** Formal founding of AI as an academic discipline, Turing Test.

**1956:** Dartmouth Workshop, where the term "Artificial Intelligence" was coined.

**1990s:** Revival of interest in AI with improvements in machine learning.

**1997:** IBM's Deep Blue defeats world chess champion Garry Kasparov.

**2000s-2010s:** Rise of deep learning, big data, and advancements in computational power.

**2012:** Breakthrough with deep learning techniques in image recognition at the ImageNet competition.

**2022:** OpenAI releases ChatGPT to the masses

AI has evolved significantly over decades, from simple machine learning models to advanced neural networks. The development of deep learning has particularly accelerated AI capabilities, leading to the creation of models that can process and understand vast amounts of data.

## What Will be the Next Historic Hinge?



# 8 Everyday Examples of AI

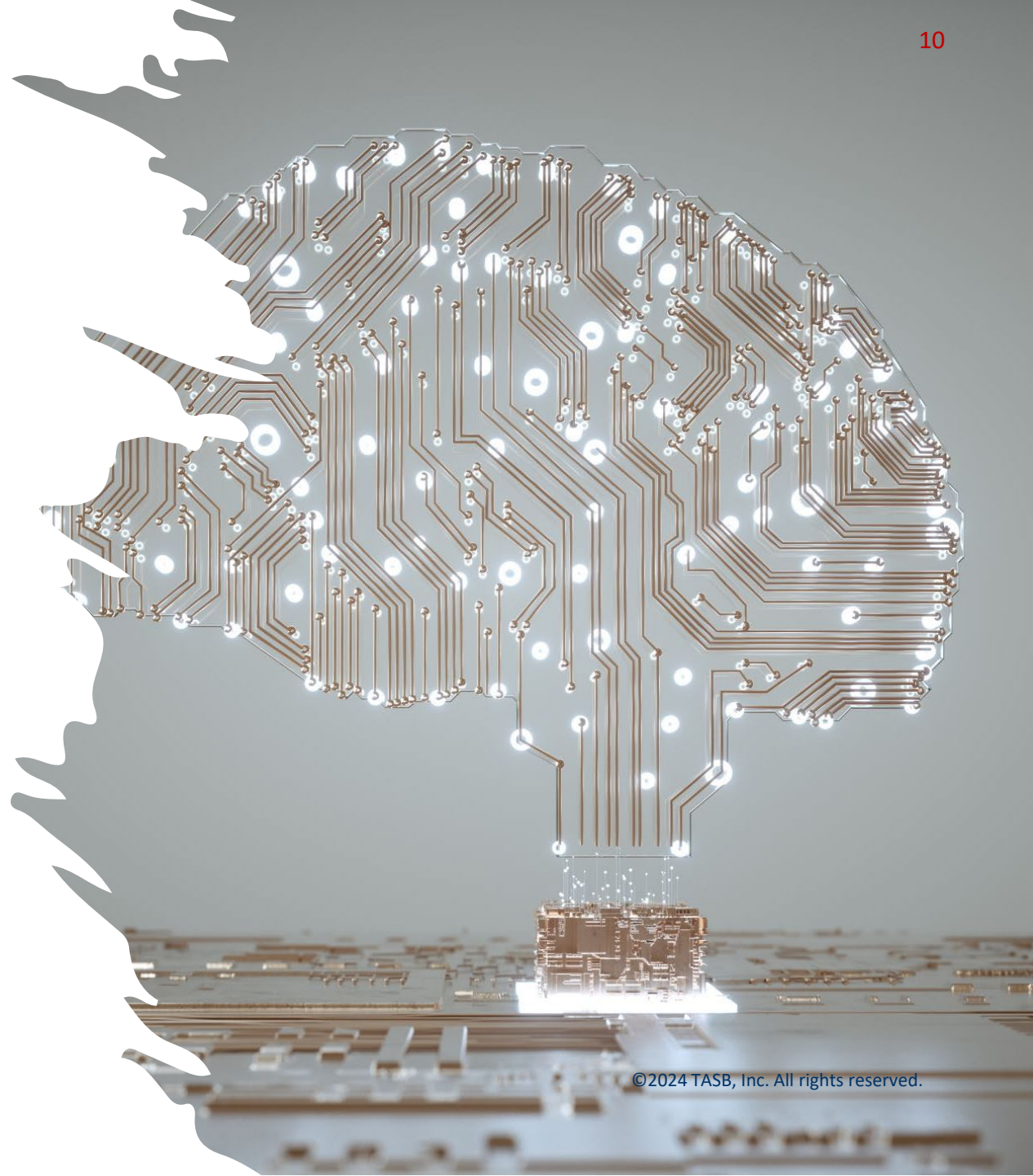
1. Maps and Navigation
2. Facial Detection and Recognition
3. Text Editors and Autocorrect
4. Search and Recommendation Algorithms
5. Chatbots
6. Digital Assistants
7. Social Media
8. E-Payments

8 Helpful Everyday Examples of Artificial Intelligence (iotforall.com)

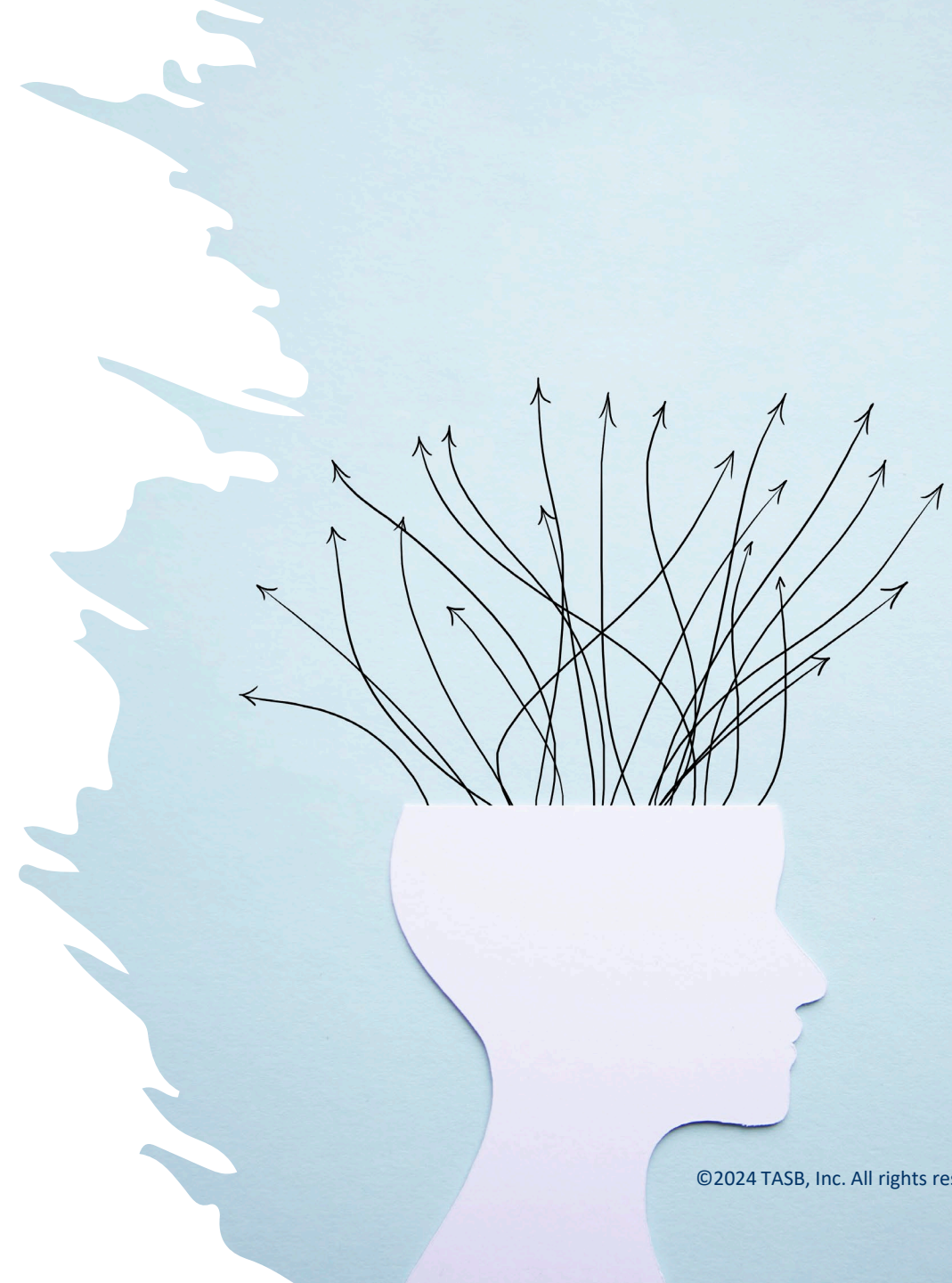
**Nearly every part of  
our day is touched by AI.**

# What is Artificial Intelligence?

Artificial Intelligence (AI) is the technology that enables machines to mimic human cognitive functions such as learning and problem-solving.

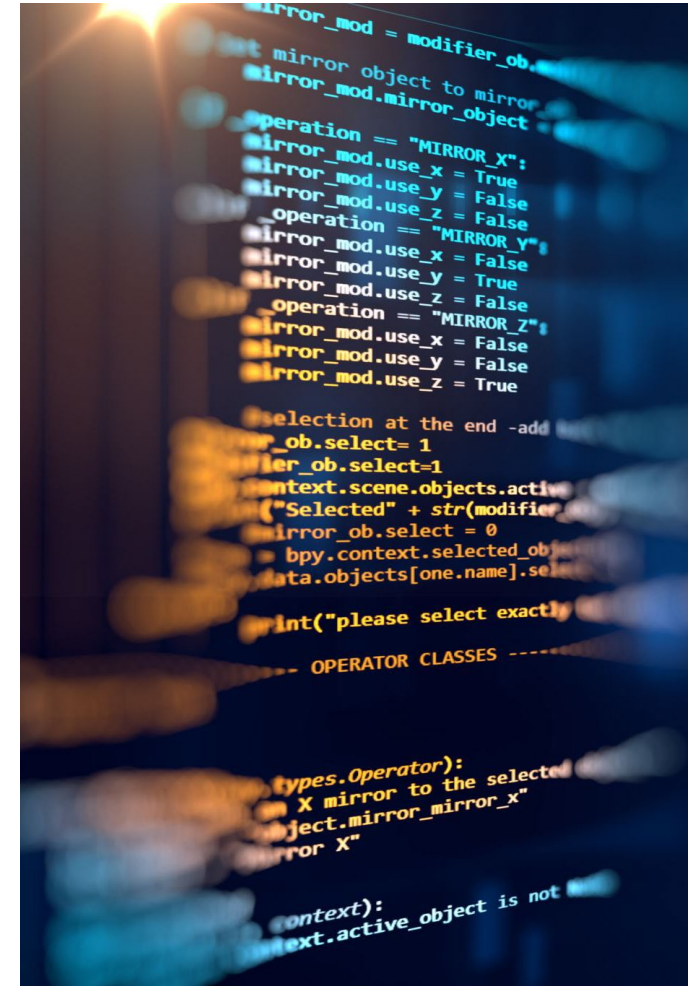


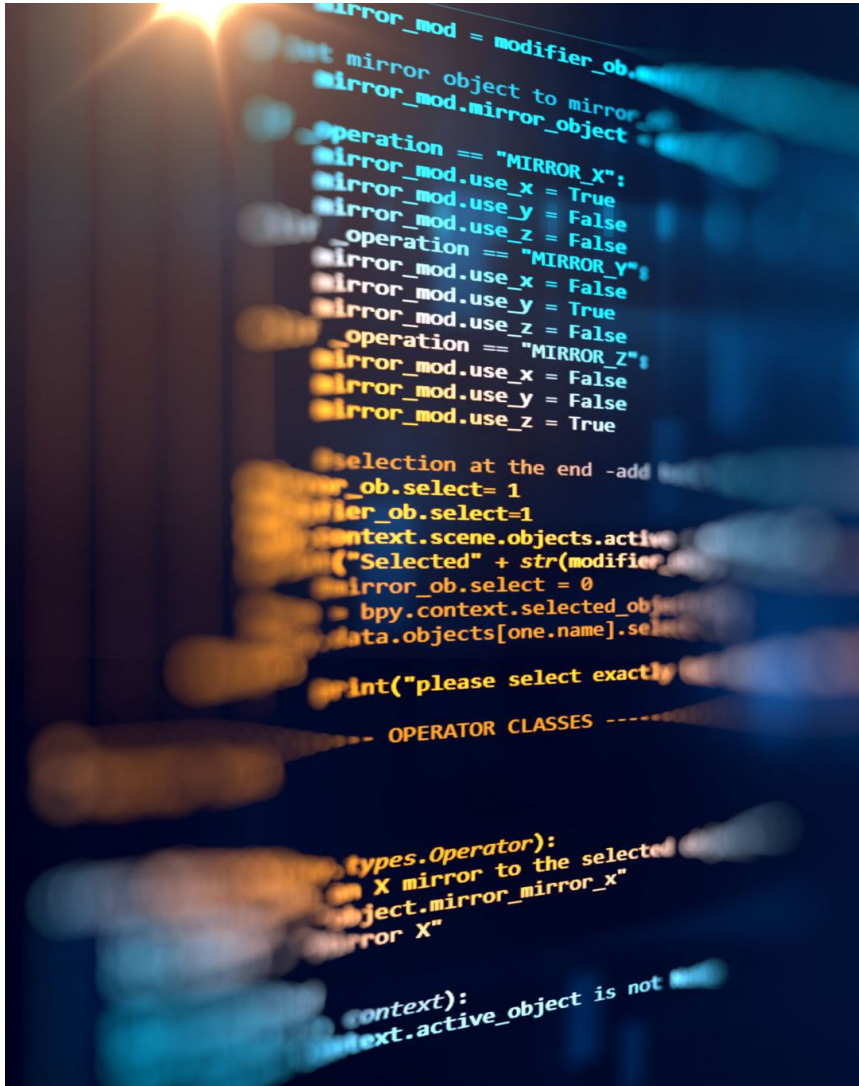
Artificial intelligence has the potential to transform our world by empowering individuals and communities, enhancing their experiences in healthcare, education, business, and beyond.



# What are Large Language Models?

- LLMs are AI models trained on vast amounts of text data.
- LLMs can perform several tasks, including text generation, question answering, and analysis.





Large language models can revolutionize how we interact with technology, providing powerful tools for improved communication, personalized learning, creative endeavors, and innovative problem-solving.

# Limitations of Large Language Models and AI

- **Bias and Fairness:** LLMs can inadvertently encode and amplify biases present in their training data, potentially leading to unfair outcomes.
- **Interpretability and Transparency:** Understanding how LLMs make certain decisions can be challenging, which complicates efforts to audit them or explain their behavior.
- **Dependence on Data Quality:** The accuracy and reliability of AI outputs heavily depend on the quality and diversity of the data used for training.
- **Generalization:** While LLMs are effective in handling tasks they were trained on, they may struggle with completely new types of tasks or contexts.
- **Resource Intensity:** Training and running LLMs require significant computational resources, which can be costly and environmentally taxing.

# The Birth of ChatGPT



- ChatGPT is like Google with a splash of magic, transforming simple searches into lively conversations!
- ChatGPT is a conversational agent developed by OpenAI.
- It uses a large language model for generating responses to user inputs.

# ChatGPT: A Journey of Innovation and Impact

## 1. Introduction to ChatGPT:

- a) "Developed by OpenAI, ChatGPT is a cutting-edge conversational agent powered by the Generative Pre-trained Transformer (GPT) model."
- b) "Launched on November 30, 2022, ChatGPT quickly became the fastest-growing consumer application in history."

## 2. Key Milestones and User Engagement:

- a) "Surpassed 1 million users within 5 days of launch."
- b) "Reached 100 million active users in January 2023, just two months post-launch."
- c) "As of early 2024, ChatGPT serves over 10 million queries per day with a user base of 180.5 million."

## 3. Revenue and Valuation:

- a) "Generates approximately \$80 million in monthly revenue."
- b) "Following significant growth, OpenAI's valuation soared, reflecting its pivotal role in the AI industry."

## 4. Capabilities and Impact:

- a) "ChatGPT has revolutionized interactions with AI, supporting tasks from composing emails to creating complex code."
- b) "Its multimodal capabilities, introduced with GPT-4o, include processing both text and images, voice inputs, and vision capabilities, indicating a significant leap towards more versatile AI applications."

## 5. Vision for the Future:

- a) "OpenAI continues to innovate, expanding ChatGPT's capabilities and integrating ethical AI use to ensure responsible technology progression."
- b) "Future developments will focus on enhancing real-time voice and video interactions, expanding AI applications across various domains, and making AI tools globally accessible."

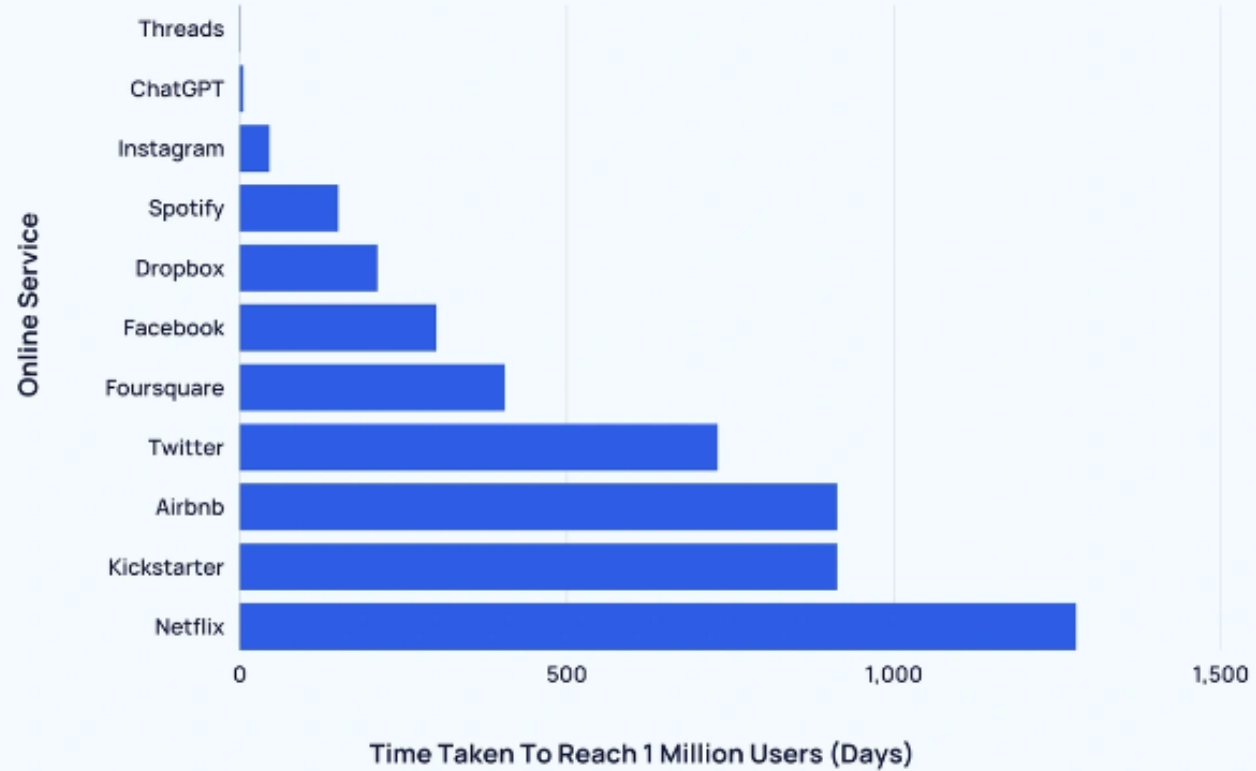
[What is ChatGPT and what is it used for? - PC Guide](#)

[Exploding Topics: Number of ChatGPT Users \(April 2024\)](#)

[50 ChatGPT Statistics and Facts You Need to Know \(invgate.com\)](#)



## Time taken to reach 1 million users



[Exploding Topics: Number of ChatGPT Users \(April 2024\)](#)

# ChatGPT Reminders



## Limitations

May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021



## Capabilities

Remembers what user said earlier in the conversation

Allows user to provide follow-up corrections

Trained to decline inappropriate requests

# Navigating ChatGPT: Best Practices



**Accuracy and Reliability:** Emphasize the importance of verifying information provided by ChatGPT, especially for critical decisions.

**Privacy and Security:** Caution against sharing sensitive information and discuss the data privacy aspects of ChatGPT interactions.

**User Responsibility:** Highlight that users should be aware of their role in interpreting and acting on AI-generated content.

# Ethical and Technical Considerations

**Ethical Use:** Discuss the importance of using ChatGPT ethically, avoiding misuse that could lead to harm or misinformation.

**AI Limitations:** Briefly outline the limitations of AI, including context understanding and generalization challenges.

**Continuous Learning and Bias Mitigation:** Explain how ChatGPT continues to learn and evolve, and the measures taken to mitigate biases.



# Empowering Every Learner: AI Bridging the Gap

AI can bridge the gap for every learner by providing personalized, accessible, and adaptive educational experiences. Here's how AI can support and enhance learning for diverse student populations:

## 1. Personalized Learning Paths

AI can analyze a student's strengths, weaknesses, and learning styles to create customized learning plans. Adaptive learning platforms use AI algorithms to adjust the difficulty and type of content based on a student's performance, ensuring that each learner progresses at their own pace and receives the support they need ([OpenAI](#)) ([Gadgets 360](#)).

## 2. Accessibility

AI tools can make education more accessible to students with disabilities. For instance, speech-to-text and text-to-speech technologies can help students with hearing or visual impairments. AI can also provide real-time language translation, breaking down language barriers and allowing non-native speakers to access educational content in their preferred language ([OpenAI](#)) ([OpenAI Help Center](#)).

## 3. Real-Time Feedback and Assessment

AI-powered tools can offer immediate feedback on assignments and quizzes, helping students understand their mistakes and learn from them promptly. This continuous feedback loop can enhance the learning process by addressing gaps in understanding as they occur ([OpenAI](#)) ([Gadgets 360](#)).

## 4. Engaging and Interactive Content

AI can create engaging and interactive educational content, such as virtual simulations, interactive quizzes, and gamified learning experiences. These tools can make learning more engaging and effective, especially for complex subjects that benefit from hands-on interaction ([OpenAI](#)) ([OpenAI Help Center](#)).



# Empowering Every Learner: AI Bridging the Gap

## 5. Teacher Support and Workload Reduction

AI can assist teachers by automating administrative tasks such as grading and attendance tracking, allowing educators to focus more on personalized instruction and student interaction. AI can also provide teachers with insights into student performance, helping them identify which students need additional support ([OpenAI](#)) ([Gadgets 360](#)).

## 6. Bridging the Knowledge Gap

AI can help bridge the knowledge gap for students who might have missed out on foundational learning due to various circumstances. Intelligent tutoring systems can provide remedial instruction tailored to individual needs, ensuring that all students have the opportunity to catch up and succeed ([OpenAI](#)) ([Gadgets 360](#)).

## 7. Continuous Professional Development

For lifelong learners and professionals, AI can offer personalized recommendations for further education and skills development based on current industry trends and individual career goals. This ensures that learners of all ages can continue to grow and adapt in their respective fields ([OpenAI Help Center](#)) ([Gadgets 360](#)).



# Empowering Every Learner: AI Bridging the Gap

## 8. Tailored Content Delivery:

AI can modify instructional materials to match the child's learning style, whether they require more visual aids, simplified text, or interactive elements. For example, AI-driven platforms can offer multiple ways to explain a concept, such as through videos, interactive simulations, or step-by-step guides.

## 9. Individualized Pacing:

AI systems can adjust the speed of lessons to ensure that children with learning differences are neither overwhelmed nor bored. This helps in maintaining engagement and reducing frustration by allowing them to learn at their own pace.

## 10. Specialized Support Tools:

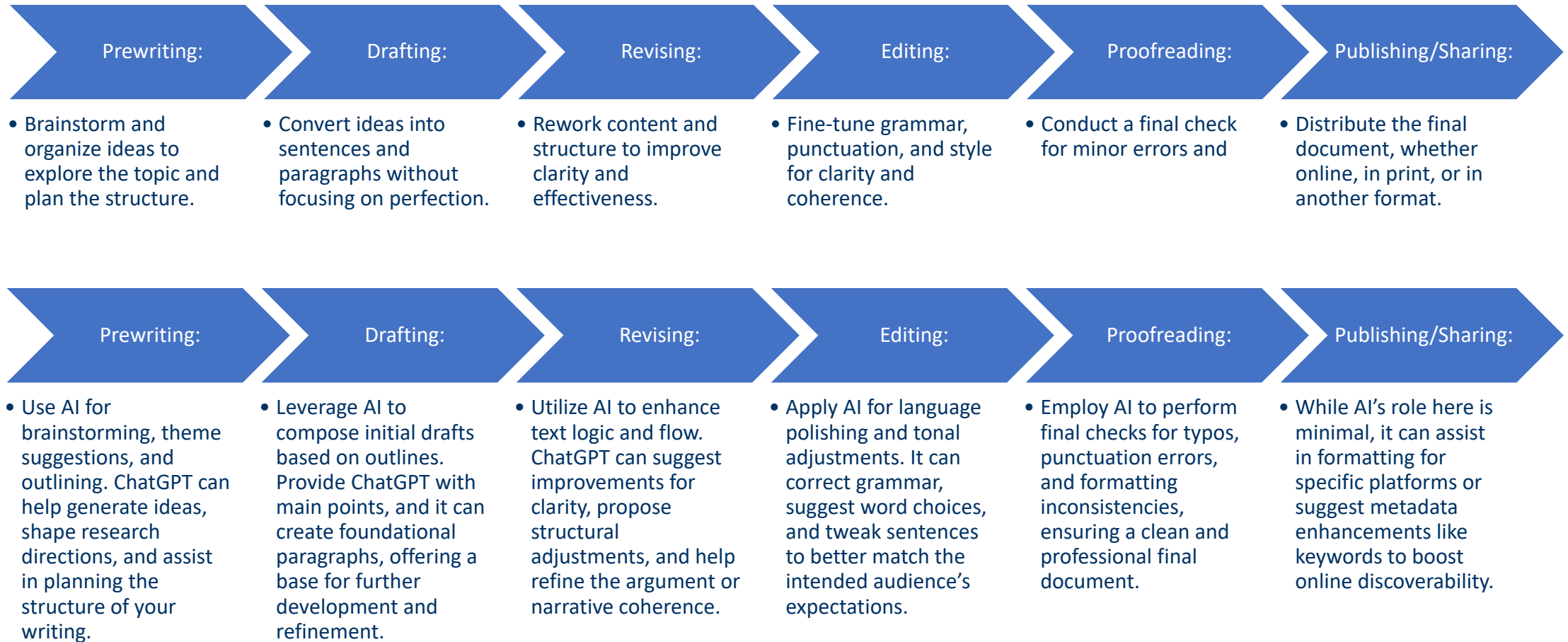
AI can integrate tools such as speech recognition for children with dyslexia, providing real-time reading assistance and feedback. Similarly, AI can offer predictive text and grammar checking to help children with writing difficulties.

## 11. Progress Monitoring and Insights:

AI can continuously monitor a student's progress and provide detailed insights to educators and parents. This includes identifying areas where the child struggles the most and suggesting targeted interventions to address those specific challenges.



# Blending Classic Writing with Modern Tools





# An Example

Hey ChatGPT, Can you create a rap about using you in schools?

ChatGPT's just a tool,  
But it ain't no substitute for school.  
You can't cheat your way to the top,  
Using a machine to do your homework, you'll flop.  
Plagiarism's a no-no,  
And ChatGPT's text is not your own, yo.  
So put in the work, earn that grade,  
Don't try to cheat, it's not worth the trade.

# An Example

## Hey ChatGPT, Can you create a rap about using? Add in an element about TCASE.

Yo, TCASE in the house, let me break it down,  
Special ed leaders, wearin' that crown.  
Got the tips, tricks, and all the hacks,  
Navigating laws with those slick tracks.

(Chorus)  
TCASE, keepin' it fresh, no stress,  
Special ed pros, we're the best, yes, yes!  
From conferences to sessions, we're in the zone,  
With TCASE, you're never alone.

Need advice? TCASE got your back,  
Professional growth, we're on the  
right track.  
Networking strong, yeah, we're  
building ties,  
Special ed excellence, reaching for the  
skies.

So join the crew, let's make it known,  
With TCASE, you're never on your  
own.  
Special ed leaders, let's give a cheer,  
TCASE in the house, we're outta here!

An Example

Hey ChatGPT, how about a haiku.

Supporting special  
Education with TCASE—  
Leaders never lone.

-CNET

*Alarmed by A.I. Chatbots, Universities Start Revamping How They Teach*

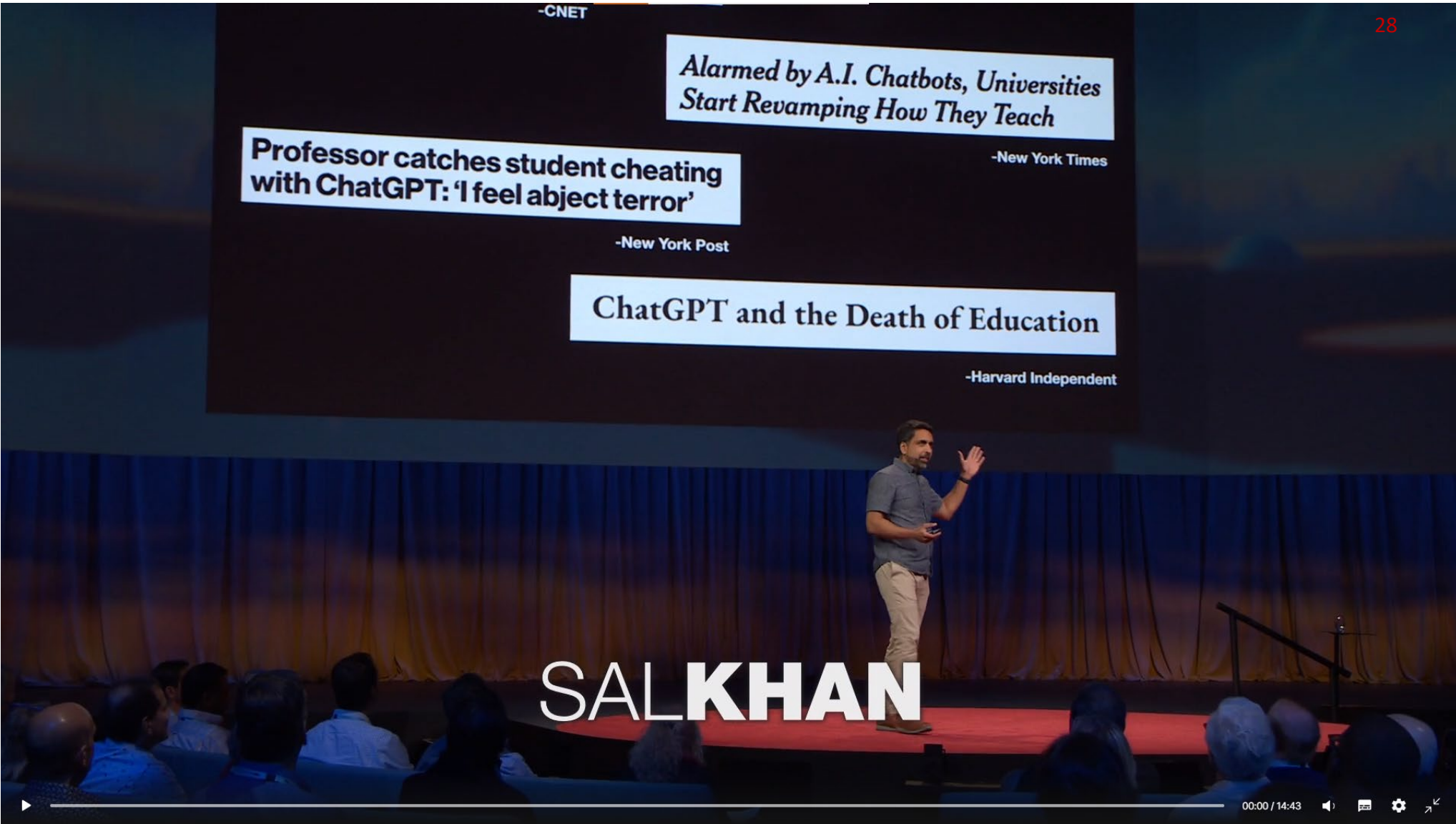
-New York Times

**Professor catches student cheating with ChatGPT: 'I feel abject terror'**

-New York Post

**ChatGPT and the Death of Education**

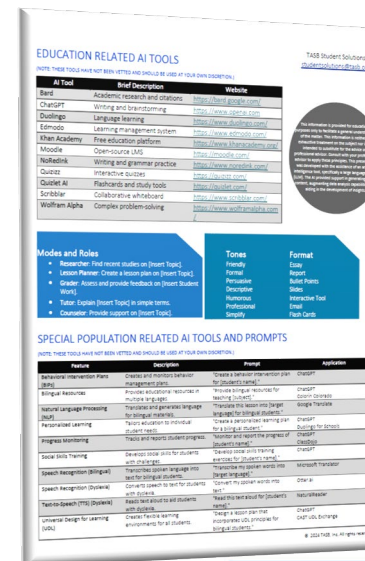
-Harvard Independent



[Sal Khan: How AI could save \(not destroy\) education | TED Talk](#)

# Prompts are the key

- 1. Be Clear and Specific:** Detail is key to receiving precise answers.
- 2. Set the Context:** Background information helps ChatGPT understand the bigger picture.
- 3. Define the Desired Output:** Specify the type of response you want, like a summary, list, or explanation.
- 4. Use Follow-Up Questions:** These help you dig deeper into a topic or refine the AI's responses.



# AI can help with life..

## For Personal Use

- 'Create a weekly meal plan for a family of four, focusing on vegetarian dishes.'
- 'Suggest a list of top-rated mystery novels released in the past year.'

## For Work

- 'Write an email to schedule a meeting with a client, proposing two time slots next week.'
- 'Generate a monthly report outline focusing on sales performance and key metrics analysis.'

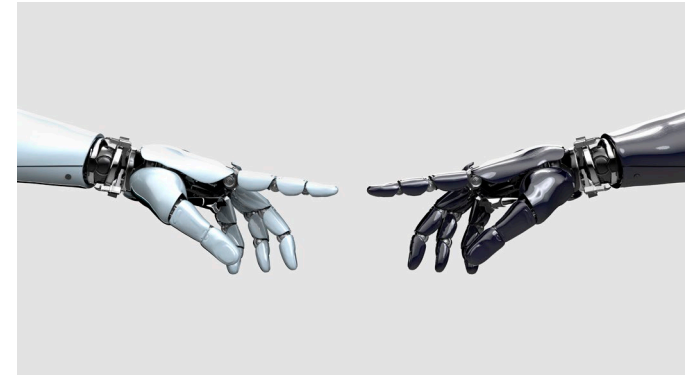
## For Learning and Education

- 'Explain the concept of climate change and its impacts on global weather patterns.'
- 'Provide a summary of World War II focusing on the causes, major events, and outcomes.'

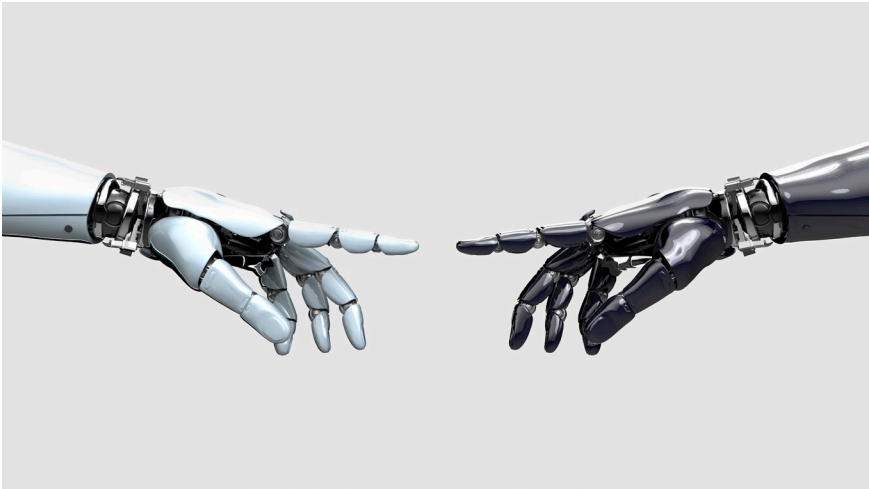
# AI can help with a conferences..

User

I need a title and description for my session. The presentation is only 40 minutes so will be a quick dive into what AI and LLMs are. Then a bit of stats about Open AI and then Chat Gpt and finally a bit about how to begin using it in your life. Can you narrow these questions down into something that would fit within that scope and be a lot shorter? Also any chance you can make it fun? The training is part of our annual training event called T-Day and our theme is telling your story and it is being done sort of aligned to the Toy Story theme. Make it funny.



# AI can help with a conferences..



Sure! Let's inject a bit more humor and specificity related to the event theme while keeping it concise:

## **Session Title:**

**"ChatGPT: Your New Deputy in Town!"**

## **Session Description:**

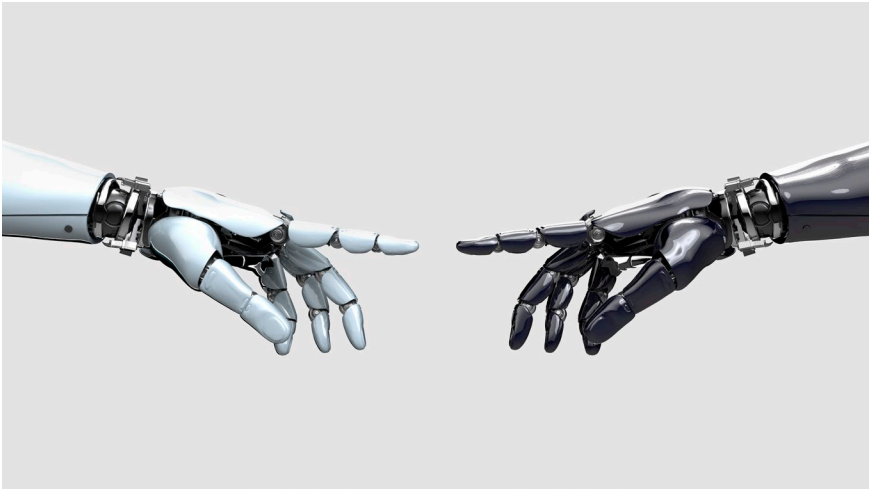
Ever wondered if there's a sheriff in the world of AI? Meet ChatGPT, your new deputy in the digital frontier! In this quick draw session, we'll lasso the basics of AI and LLMs, peek at OpenAI's stats, and explore how to deputize ChatGPT in your daily life. Come with your gadgets ready—this roundup's going to be legendary at T-Day!



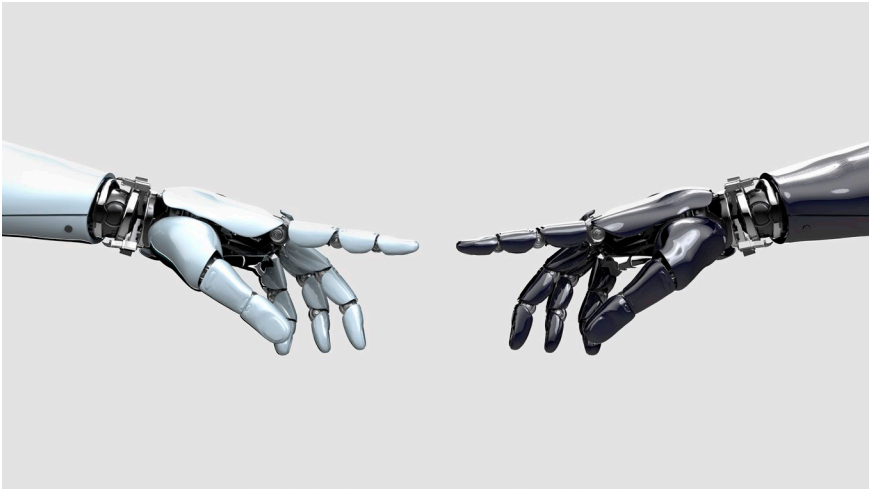
# AI can help with a conferences..

User

I dont like that one. Can you try another?



# AI can help with a conferences..



Certainly! Here's a revised title that encompasses AI and LLMs more broadly, without specific mention of ChatGPT:

## **Session Title:**

**"Infinity and Insights: Navigating the Universe of AI"**

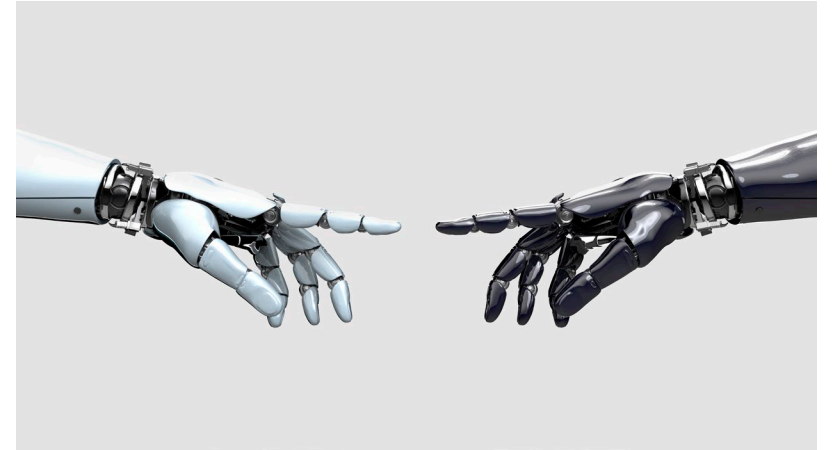
## **Session Description:**

Gear up for an adventure as playful as a day in Andy's room! This session will zoom through the essentials of AI and large language models, reveal how tech pioneers like OpenAI are pushing the digital frontier, and demonstrate practical ways to integrate these technologies into your daily narrative. Bring your device—it's time to power up your story with AI at T-Day!

# AI can help with surveys..

User

I am doing a presentation for my office peers and supervisors about AI and in particular about chat gpt. I want to do a survey before i do the presentation to then disaggregate with chat gpt. It is a mix of people that will be in the audience. I work for TASB. I want to keep it pretty simple. What questions do you suggest I ask so that I can make the presentation the most meaningful?



# AI can help with surveys..

## Background Knowledge and Expectations

### 1. How familiar are you with artificial intelligence (AI) and machine learning?

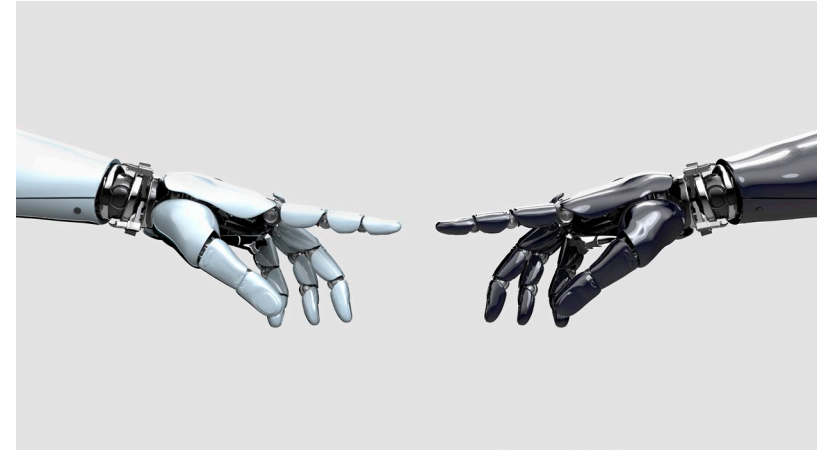
1. Not at all familiar
2. Somewhat familiar
3. Very familiar

### 2. Have you used AI-powered tools or applications before? If so, please specify which ones.

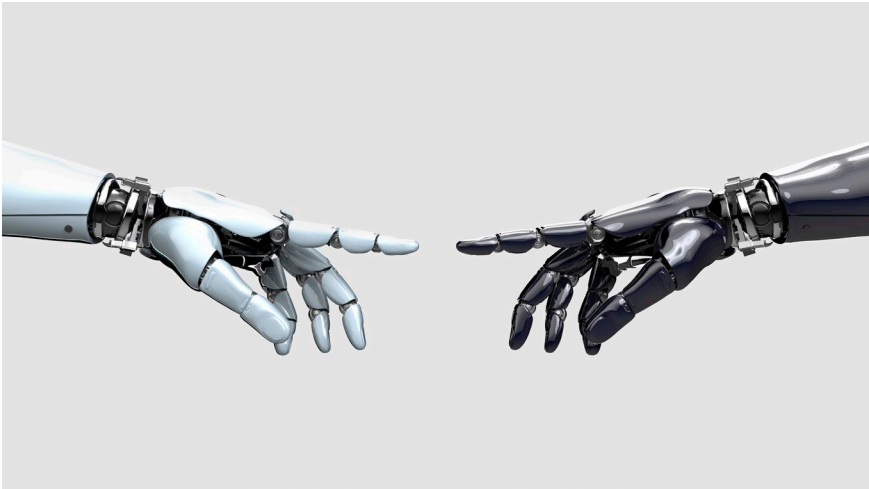
1. Open-ended response

### 3. What are your primary interests in learning about AI and ChatGPT? (Select all that apply)

1. Understanding AI basics
2. Learning about AI applications in education
3. Exploring AI's impact on policy and governance
4. Discovering how AI can assist in administrative tasks
5. Curiosity about the future of AI and technology



# AI can help with surveys..



## User

Wow! That is great but way too much. The presentation is only 40 minutes so will be a quick dive into what AI and LLMs are. Then a bit of stats about Open AI and then Chat Gpt and finally a bit about how to begin using it in your life. Can you narrow these questions down into something that would fit within that scope and be a lot shorter? Also any chance you can make it fun? The training is part of our annual training event called T-Day and our theme is telling your story and it is being done sort of aligned to the Toy Story theme.

# AI can help with surveys..

## Quick and Fun AI Adventure Survey

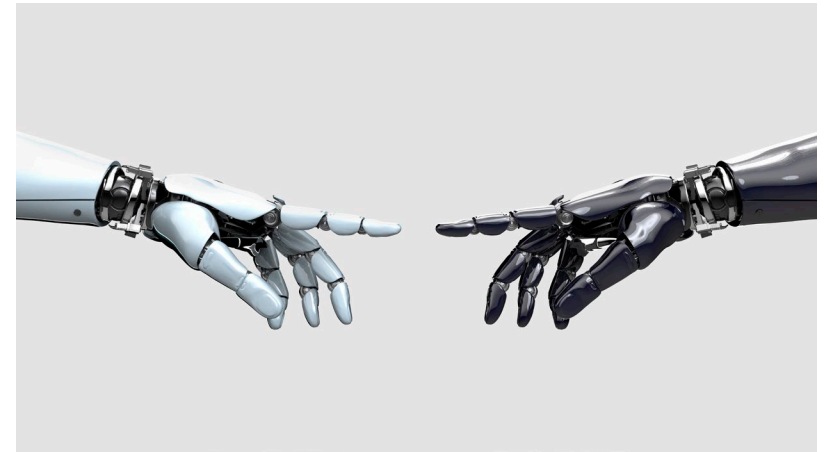
**Welcome to the Infinity and Beyond AI Expedition!** Before we blast off, help us chart our course by answering these questions:

**1. "To Infinity and Beyond!" How would you describe your journey with AI so far?**

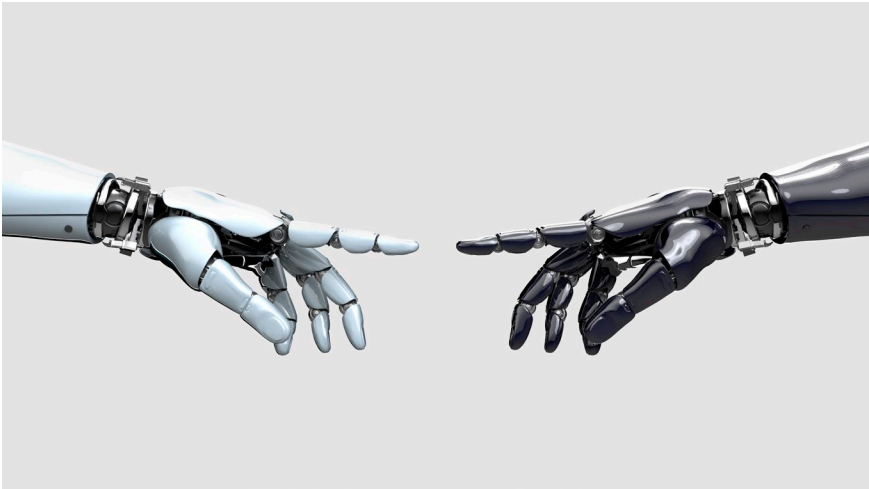
1. 🚀 Just boarded the spaceship! (I'm a beginner)
2. ✨ Cruising through the galaxy (I know a bit)
3. 🪐 Zooming past stars! (I'm quite experienced)

**2. "You've Got a Friend in Me!" Have you ever interacted with an AI buddy like Siri, Alexa, or ChatGPT?**

1. Yes, we're pals!
2. Once or twice
3. No, but I'm curious!



# AI can help with blogs..



User

I love it! Can you write a quick blog to be posted in our inner office Hyperlink to ask people to take the survey? I will add the link once I get it. Again make it fun, make it specific to our event and us.

# AI can help with blogs..

## Blast Off to T-Day: The AI Adventure Awaits!

Hello, TASB Explorers!

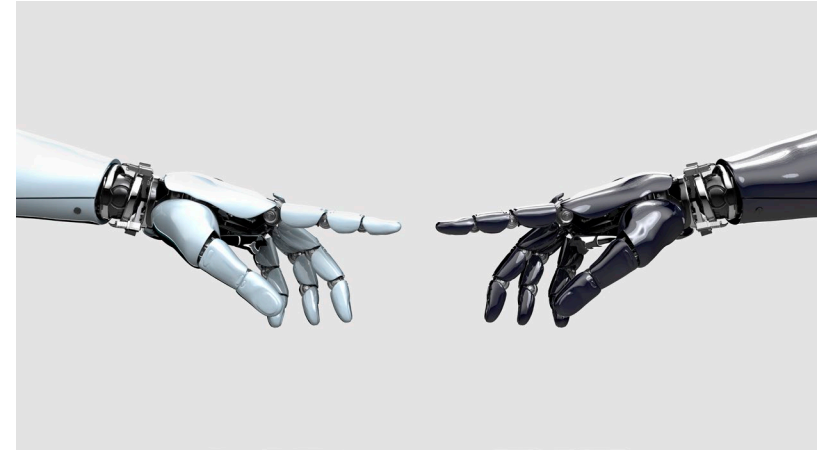
With T-Day's Toy Story theme sparking our imaginations, we're embarking on an AI expedition to explore the universe of Artificial Intelligence and ChatGPT. But first, we need your help to chart the course!

### Why Join the Mission?

**Guide Our Adventure:** Your insights will shape our journey, focusing on the wonders and worries of AI.

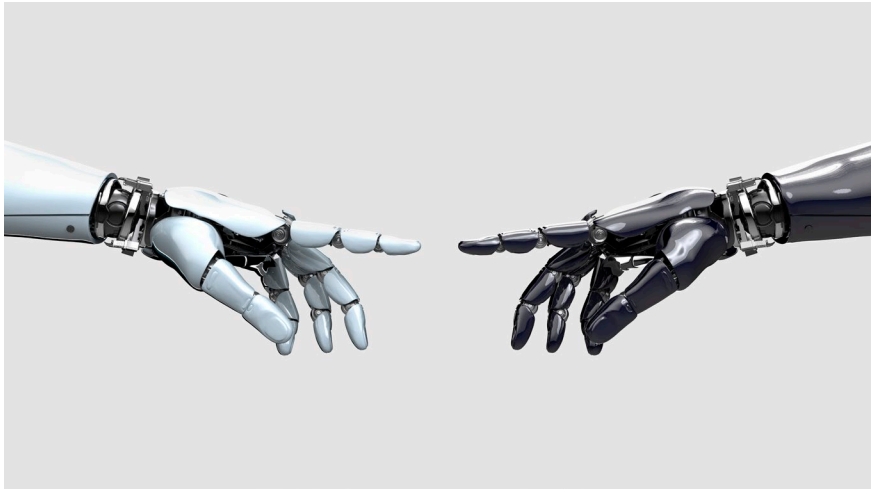
**Discover AI Companions:** From crafting emails to uncovering universal secrets, learn how AI could be your next best pal.

**Add Your Story:** Influence our T-Day tale. How does AI fit into your epic narrative?





# AI can help with emails..



## User

Write an email to go out to TASB staff asking them to take a few moments and take the survey in advance of TDay to help us craft the AI presentations for our TASB audience. There will be three sessions that day, please make reference to them. The email should have a place for me to put the link to the survey. The email should be on theme, be funny and inviting. The survey will take less than 5 minutes. Please complete it by Friday, may 26th.

# AI can help with emails..

Subject: ✨ Help Shape Our T-Day AI Adventure—Take This Quick Survey! 🚀

Hi Team,

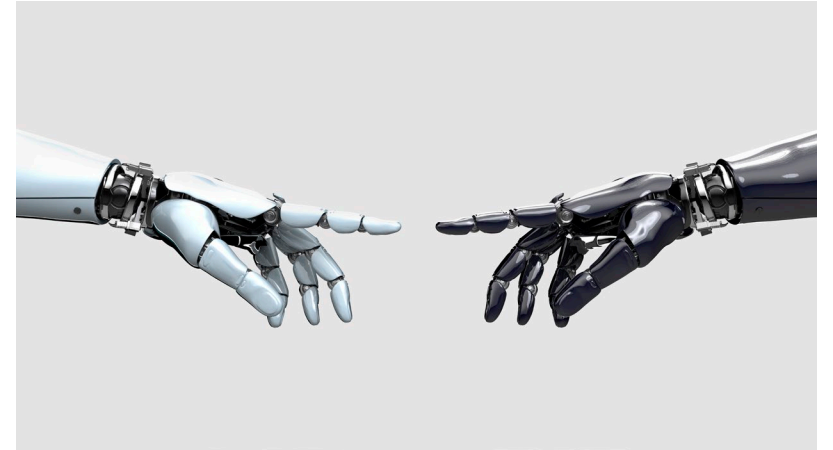
As we countdown to T-Day, our annual voyage into learning and fun, we've got a special mission for you—should you choose to accept it. Before we blast off into the universe of Artificial Intelligence at this year's event, themed around the legendary tales of Toy Story, we need your input!

We're hosting **three stellar AI sessions**:

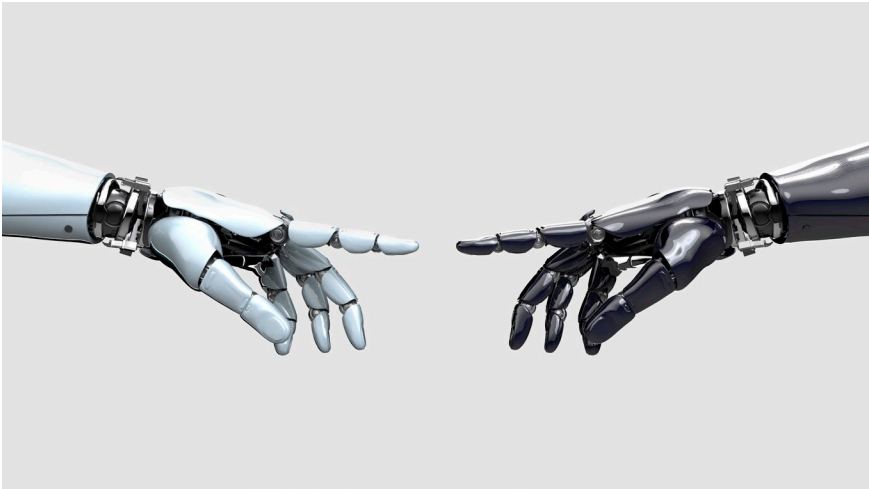
- 1. Infinity and Insights: Navigating the Universe of AI** - Dive into the world of AI and LLMs!
- 2. Unboxing the Potential of AI Playfully and Purposefully** - Discover AI platforms that might just become your new favorite toy.
- 3. Sheriff Woody's Guide to the AI Frontier: Navigating TASB's Tech Terrain** - Learn about TASB-approved tech and how to bring new too

To make these sessions as engaging and relevant as Woody's roundup, we're asking you to take a few moments (under 5 minutes, we promise!) to complete our survey. Your feedback will help tailor our presentations to your interests and ensure we tackle the AI topics you're most curious about.

👉 [Insert Survey Link Here] 👉



# AI can help with a theme..



User

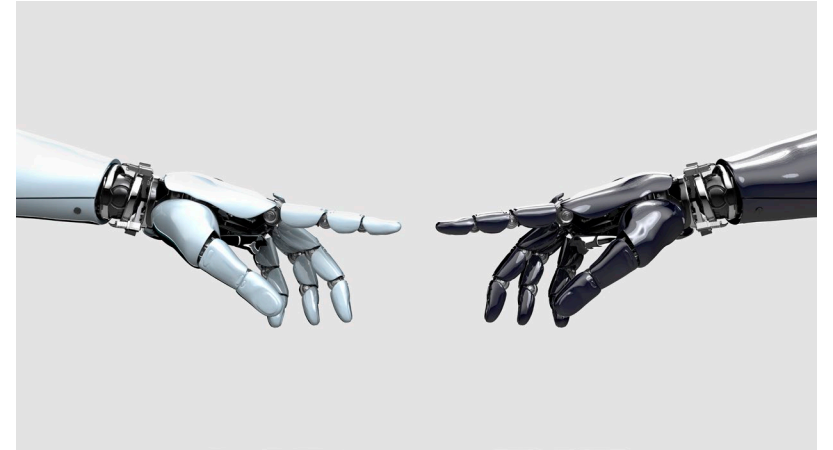
what is something cute that I can say for the survey link in this email. I am going to embedded the link

# AI can help with a theme..

You could use a playful and themed phrase like this for the survey link:

👉 Click here to launch your survey spaceship! 👉

This keeps it fun and on-theme, inviting recipients to start their "mission" by taking the survey.



# Infinity and Insights: Navigating the Universe of AI

An Introduction to Artificial Intelligence (AI) and Large Language Models (LLMs)

With Karlyn Keller, Ed.D.

TASB Student and Special Education Solutions

T-DAY 2024



Contributions of Artificial Intelligence: This presentation was developed with the assistance of an artificial intelligence tool, specifically a large language model (LLM). The AI provided support in generating textual content, augmenting data analysis capabilities, and aiding in the development of insights. We ensure that no confidential or privileged information was input into or preserved by the AI at any point during the development of this material.



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# AI can help ....

## Andy's Adventure Kit: Prompts for Everyday Heroes

Welcome to your digital 'toy box' where AI tools await to help you solve puzzles and answer questions, much like having a wise toy at your side. Let's explore how to best communicate with these digital companions.

### Tips for Writing Effective Prompts

1. Craft Your Quest: Be clear and specific as if you're giving directions to Buzz Lightyear on a mission.
2. Set the Scene: Provide background context like setting up a new Toy Story scene.
3. Describe the Adventure's End: Tell ChatGPT exactly what you hope to find on your quest.
4. Keep the Conversation Going: Use follow-up questions like Woody asking for more details on a plan.

### Sample Prompts for Everyday Heroes

- For Personal Use**
  - "Create a weekly meal plan for a family of four, focusing on vegetarian dishes."
  - "Suggest a list of top-rated mystery novels released in the past year."
- For Work**
  - "Write an email to schedule a meeting with a client, proposing two time slots next week."
  - "Generate a monthly report outline focusing on sales performance and key metrics analysis."
- For Learning and Education**
  - "Explain the concept of climate change and its impacts on global weather patterns."
  - "Provide a summary of World War II focusing on the causes, major events, and outcomes."
- For Creative Projects**
  - "Draft a short story about a lost astronaut in space."
  - "Compose a poem about the sea and its calming effects."

**Conclusion**  
Use ChatGPT as your trusty sidekick in daily missions to enhance your creativity and efficiency. Embrace the adventure and let your digital tools guide you to new heights! Experiment with different prompts and explore the various ways AI can assist you in your daily activities. Embrace the potential of AI to significantly enhance your productivity and creativity.



## Andy's AI Playbook: Blending Classic Writing with Modern Tools

This handbook covers how traditional writing stages can be enhanced with the use of AI tools, like ChatGPT. Each stage of the writing process is paired with corresponding AI applications to show how these technologies can improve and streamline the writing experience.

### Prewriting

**Traditional:** Gather your ideas like Woody gathers his toy friends for an adventure.  
**AI Tool:** Use AI for generating ideas, suggesting themes, and helping with outlining. ChatGPT can assist in brainstorming, shaping research directions, and planning the writing structure.

### Drafting

**Traditional:** Just like Andy plays out scenes, start putting your ideas into action without worrying about perfection.

**AI Tool:** Use AI to draft your scene—ChatGPT can help lay down the base like building blocks.

### Revising

**Traditional:** Time to tidy up the narrative, making sure each toy plays its part perfectly.  
**AI Tool:** ChatGPT helps rearrange the toys to make the playtime (story) flow better, suggesting changes for clearer storytelling.

### Editing

**Traditional:** Fine-tune your story for a polished look, just as Buzz checks his gadgets.  
**AI Tool:** Let AI fine-tune the language and style, ensuring everything is stellar for liftoff.

### Proofreading

**Traditional:** Rex may seem nervous, but he's great at catching those last little mistakes.  
**AI Tool:** ChatGPT can scan for tiny errors, ensuring nothing is missed before the big presentation.

### Publishing/Sharing

**Traditional:** Share your story with the world, just like Andy shows off his toys.  
**AI Tool:** Even though AI plays a smaller role here, it can still help format and prepare your document for its audience.

Contributions of Artificial Intelligence: This document was created with the support of an artificial intelligence tool, specifically a large language model (LLM). The AI was employed primarily for generating textual content, enhancing analytical capabilities, and supporting the formulation of insights. We ensure that no confidential or privileged information was input into or retained by the AI at any point during the creation of this material.



# AI can help with a creativity boosts..

User

My students have been assigned a creative writing assignment and could use your help with some images that will help inspire them.

Descriptive prompts from students provided....





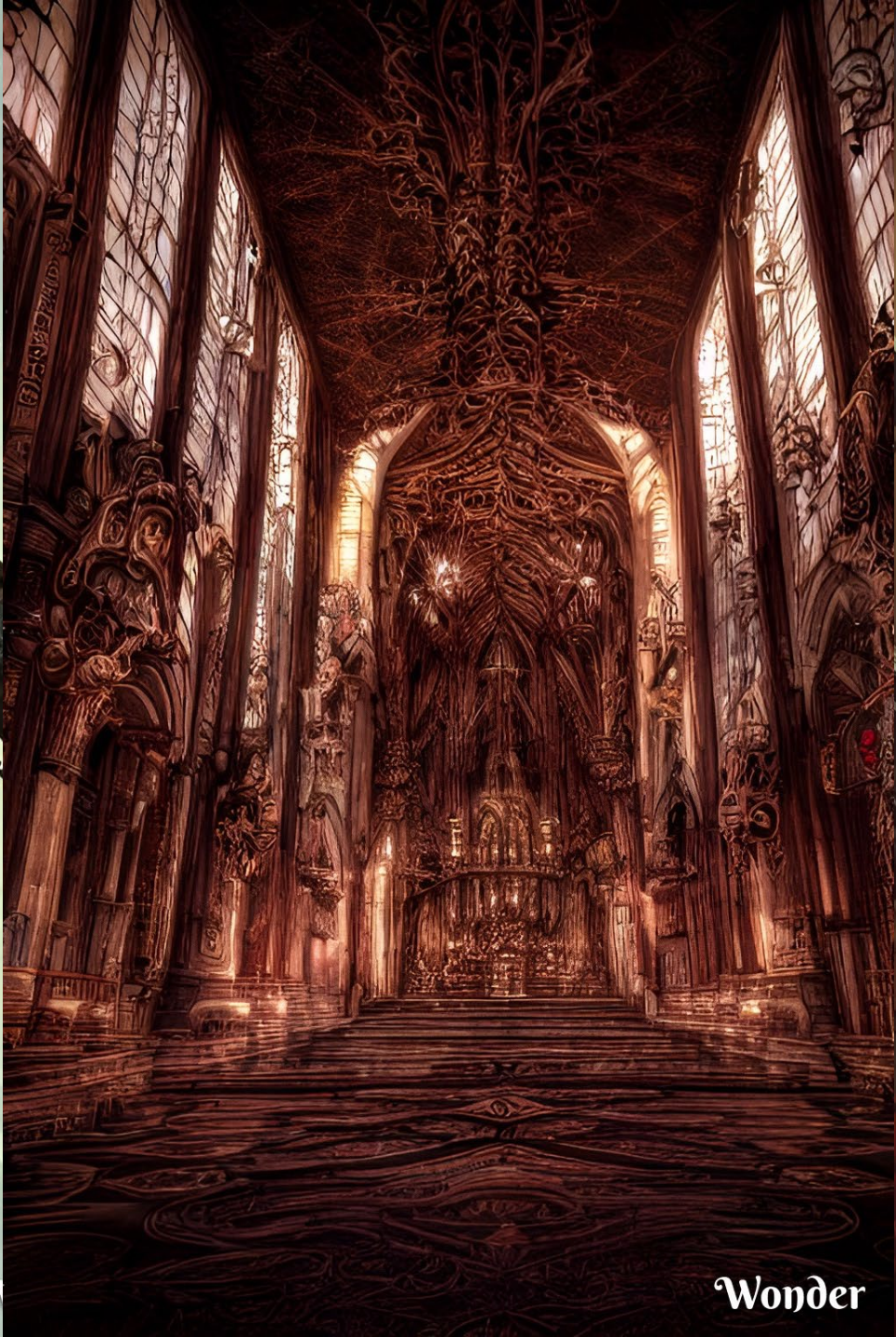
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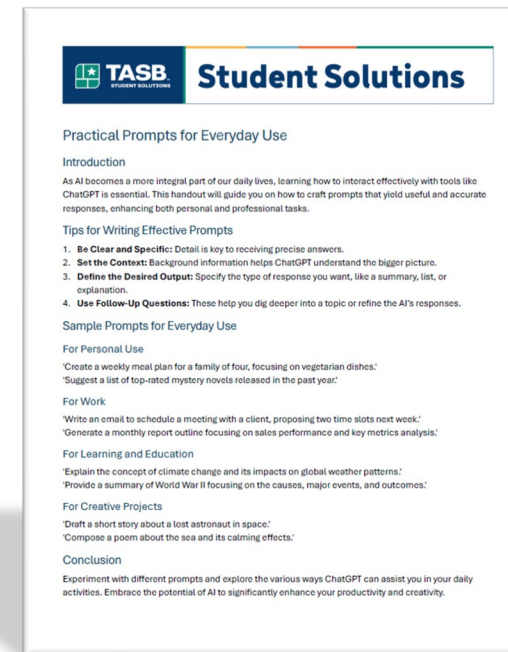
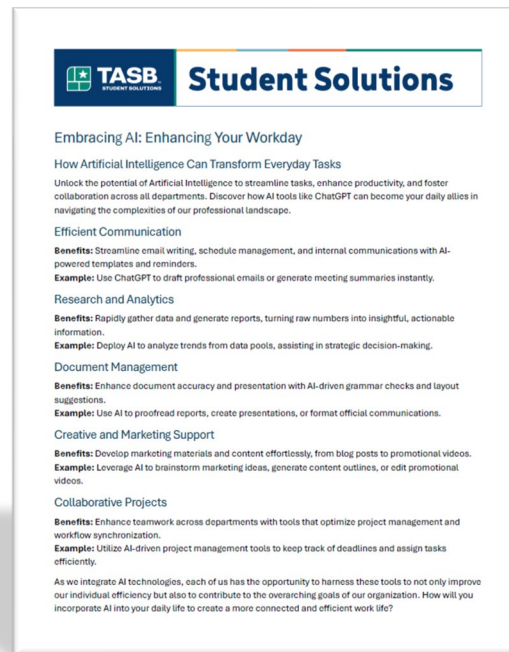
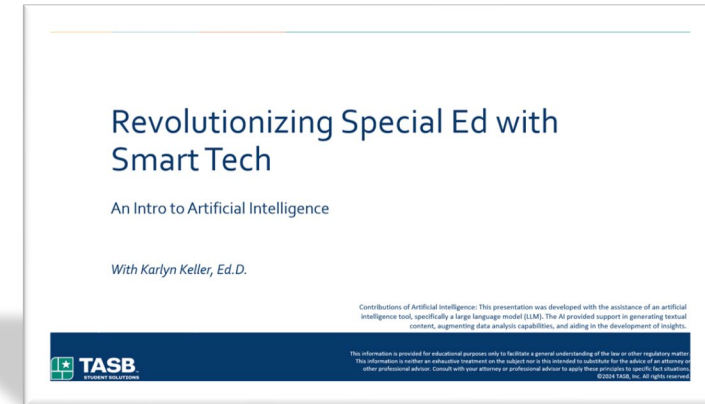
The technology is not hard.  
It is developing the habit that is hard.

From TASA's "Leading &  
Learning in the World of  
AI" with George Couros  
and A.J. Juliani

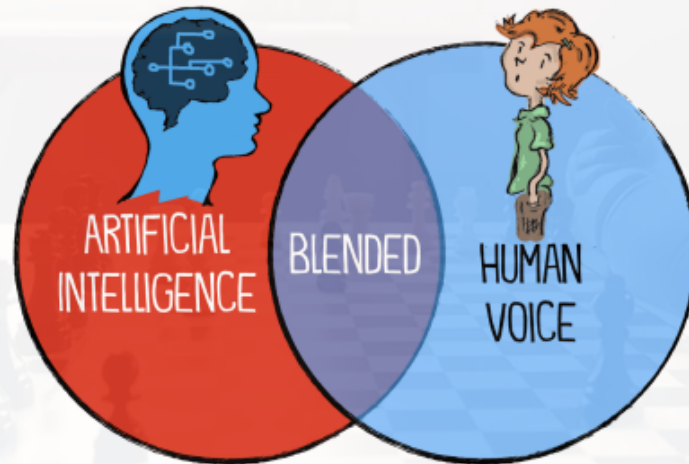
# AI can help with ....

What ideas do you have?

How about a presentation on AI as an intro to all it has to offer?



“While the aim of AI is to make a machine act like a human,  
AI-augmentation isn't designed to replace humans.  
Instead, the goal is to take advantage  
of the best capabilities of  
**humans and technology.**”  
Tina Huang



  
JOHN SPENCER

From TASA's "Leading & Learning in the World of AI" with George Couros and A.J. Juliani



In the AI  
journey,  
human insight  
remains the  
compass.

– Karlyn Keller, Ed.D.





## The Emotional Connection to Change

“The simple fact is that all the time and money and skill poured into consumer research on the new Coca-Cola could not measure or reveal the deep and abiding emotional attachment to original Coca-Cola felt by so many people.”

History.com

From TASA's "Leading & Learning in the World of AI" with George Couros and A.J. Juliani



12:31

POWER

AUDIO

AM/FM

VOLUME

+

1

2

3

4

5

CLOCK

SCAN

AMS

←

SEEK

▶

←


→

SEEK

AMS

EJECT

12:31



AI is an enhancer,  
not a replacer  
enhancing our  
expertise, not  
replacing our  
experience.

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– Karlyn Keller, Ed.D.

# ChatGPT Prompts for Educators

- “Create a rubric to grade an eighth-grade informational report on the history and culture of the Cherokee tribal nation.”
- “Suggest 10 Chrome extensions for high school students designed to improve productivity while studying.”
- “Create a set of eight practice problems for third-grade students learning beginner algebra. Have the problems start out easy and get harder.”
- “What promotes student engagement? Identify and summarize articles from trusted sources over the past three years that deal with this subject. The summaries should be 200 words or less each.”
- “Create a quiz with five multiple-choice questions that assess [grade four] students’ understanding of [concept being taught].”
- “Create a step-by-step guide to instruct [audience] how to [topic]. Include important tips and tricks.”
- “Brainstorm 10 content ideas related to [topic] that [your audience like ninth grade students] would find interesting and beneficial.”
- “Pretend you are a sixth-grade student. Explain the concept of [insert concept or idea] in simple terms and provide relevant examples of how it can be applied in a real-world situation. Simplify complex terms or concepts.”
- “Give me five fun ways to introduce a lesson on the properties of water to fourth grade students.”

[ChatGPT Prompts for Busy Educators • TechNotes Blog \(tcea.org\)](#)

# ChatGPT Prompts for Administrators

- “I am interviewing candidates for the role of [insert role]. Create an interview with three rounds that test for the following traits: culture fit, growth mindset, learning ability, and adaptability. Also, create one technical assignment to test their technical ability. Also, add in the answer key for each question so I can evaluate and grade their answers.”
- “Act as an expert career coach. I [explain problem]. Give me a list of five solutions that could potentially fix this problem.”
- “I need some tips on developing an effective cybersecurity strategy that will address the needs of my [school district or organization]. We have a limited budget of [give amount].”
- “Write an email to parents letting them know about the school open house event that is happening on [date] at [time]. Write it to be inviting so that they will want to attend.”

[ChatGPT Prompts for Busy Educators](#) • [TechNotes Blog](#)  
([tcea.org](https://tcea.org))

# ChatGPT Prompts for Admin Assistants

- Write a professional email template for use in communicating with clients and colleagues.
- Write a memo template for use in communicating important information.
- Write a script for the next presentation or meeting.
- Write a letter of introduction for use when meeting new person.
- Write a sample email response for handling difficult inquiries.
- Write a letter of recommendation for a former employee or colleague.
- Write a sample follow-up email for use after important meetings or discussions.
- Write a letter of congratulations for a colleague or employee on their recent success.
- Summarize these meeting notes into a bulleted list overview, taking note action items and deadlines.

[50 Powerful ChatGPT Prompts For Executive Assistants To Boost Productivity \(boldly.com\)](#)

# ChatGPT Prompts for Special Education

- Understanding Needs: How can we better identify and understand the unique needs of each student in special education?
- Inclusive Practices: What are some effective strategies for creating a more inclusive classroom environment for students with disabilities?
- Parental Involvement: How can we foster stronger collaboration and communication with parents and guardians of special education students?
- Assistive Technology: What are some innovative assistive technologies that can enhance learning experiences for students with disabilities?
- IEP Development: How can we improve the process of developing and implementing Individualized Education Programs (IEPs) to ensure they meet each student's needs?
- Professional Development: What ongoing professional development opportunities are essential for special education teachers to stay current with best practices?
- Behavior Management: What are effective behavior management strategies that support positive behavior in special education students?
- Transition Planning: How can we better prepare students in special education for transitions, whether from grade to grade, school to school, or into post-secondary opportunities?
- Mental Health Support: What role does mental health play in special education, and how can we provide adequate support for our students?
- Collaboration with General Education: How can special education teachers and general education teachers work together more effectively to support all students?



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# What ongoing professional development opportunities are essential for special education teachers to stay current with best practices?

- **Workshops and Seminars:** Regularly attend workshops and seminars focused on the latest research and strategies in special education.
- **Online Courses and Webinars:** Utilize online platforms to take courses and participate in webinars on topics such as behavior management, differentiated instruction, and inclusive practices.
- **Conferences:** Attend national and regional conferences, such as those organized by the Council for Exceptional Children (CEC) or the Texas Council of Administrators of Special Education (TCASE), to network with peers and learn from experts in the field.
- **Collaborative Learning Communities:** Join or form professional learning communities (PLCs) with other special education teachers to share resources, strategies, and experiences.
- **Graduate Programs:** Pursue advanced degrees or certifications in special education to deepen your knowledge and skills.
- **Mentorship Programs:** Participate in mentorship programs, either as a mentor or mentee, to gain insights and support from experienced colleagues.
- **Reading and Research:** Stay updated with the latest research and literature in special education by reading academic journals, books, and articles.
- **Technology Training:** Engage in training sessions on new assistive technologies and software that can enhance learning for students with disabilities.
- **Behavioral Intervention Training:** Receive training in specific behavioral intervention strategies and programs, such as Positive Behavioral Interventions and Supports (PBIS).
- **Legal and Policy Updates:** Keep abreast of changes in special education laws, policies, and regulations through workshops and training sessions.

# That is very pie in the sky. what about more down to earth for my district.

- **In-District Workshops:** Organize regular in-district workshops on specific special education topics, such as behavior management, IEP development, and inclusive classroom strategies.
- **Peer Observations:** Implement a peer observation program where special education teachers can observe and learn from each other's teaching methods and strategies.
- **Study Groups:** Create study groups for teachers to discuss and explore current best practices and research findings in special education.
- **Local Experts:** Invite local experts, such as speech therapists, occupational therapists, and behavioral specialists, to provide training and share insights with teachers.
- **Collaborative Planning Time:** Allocate time during the school week for special education teachers to collaborate with general education teachers on lesson planning and student support strategies.
- **Book Clubs:** Start a book club where teachers can read and discuss books related to special education, classroom management, and inclusive practices.
- **School Visits:** Arrange visits to other schools within the district or nearby districts to observe successful special education programs and practices.
- **In-House Mentorship:** Establish an in-house mentorship program where experienced special education teachers mentor new or less experienced colleagues.
- **Resource Sharing:** Set up a shared online repository (e.g., Google Drive, district intranet) where teachers can upload and access resources, lesson plans, and instructional materials.

## Still too broad. I want specific ideas I can implement in the next month.

- **IEP Writing Bootcamp:** Organize a one-day bootcamp where teachers can bring their current IEPs and receive guided assistance from experienced special education staff on how to enhance and individualize them.
- **Assistive Technology Demo Day:** Arrange a session where a local vendor or district technology specialist demonstrates the latest assistive technologies, such as speech-to-text software, communication devices, and educational apps.
- **Cultural Competency Lunch-and-Learn:** Host a series of lunch-and-learn sessions focused on cultural competency. Each session can cover different aspects such as understanding cultural backgrounds, communicating effectively with diverse families, and incorporating culturally relevant materials in the classroom.
- **Local Expert Speaker:** Invite a local expert, such as an occupational therapist or behavioral specialist, to give a practical, hands-on workshop on a specific area like sensory integration strategies or de-escalation techniques.
- **Behavior Management Workshop:** Host a half-day workshop focused on specific behavior management techniques, such as Positive Behavioral Interventions and Supports (PBIS) and Functional Behavioral Assessments (FBAs). Include practical activities and role-playing scenarios.
- **In-District Special Ed Resource Fair:** Organize a mini resource fair where special education teachers can share and exchange effective lesson plans, visual aids, and classroom management tools.

# Give me a plan of action on doing a In-District Special Ed Resource Fair: Organize a mini resource fair where special education teachers can share and exchange effective lesson plans, visual aids, and classroom management tools.



## Overview: Leveraging ChatGPT for Event Planning

Welcome to today's training session on using ChatGPT! In this session, we will explore how ChatGPT can be a powerful tool to streamline and enhance the planning and execution of professional development events, such as the In-District Special Education Resource Fair.

### Why Use ChatGPT?

#### Efficiency and Productivity:

ChatGPT can help generate ideas, draft communications, and organize event details quickly, saving you time and effort.

#### Creative and Practical Solutions:

Receive creative suggestions and practical strategies for event activities, workshops, and resource sharing, tailored to your specific needs.

#### Seamless Communication:

Craft professional emails, announcements, and invitations that effectively engage your audience and ensure clear, consistent messaging.

#### Enhanced Collaboration:

Facilitate collaboration among educators by developing materials, schedules, and layouts that promote teamwork and resource sharing.

#### Comprehensive Planning:

From brainstorming initial ideas to finalizing post-event follow-up, ChatGPT provides support at every stage of the planning process, ensuring a well-organized and successful event.

By leveraging ChatGPT, you can create a dynamic and impactful events. This training will equip you with the knowledge and skills to effectively utilize AI in your event planning, making your process more efficient and your events more successful.

**Using ChatGPT for Event Planning:** This outline was created using ChatGPT, demonstrating how AI can assist in planning and organizing professional development events. Here's how ChatGPT can support your initiatives:

- **Brainstorming Ideas:** Generate creative and practical ideas for events, activities, and workshops.
- **Drafting Communications:** Create professional emails, announcements, and invitations for event promotion.
- **Developing Materials:** Assist in designing handouts, feedback forms, and promotional materials.

1



- **Planning Logistics:** Help organize and structure event details, schedules, and layouts.
- **Enhancing Collaboration:** Facilitate the development of collaborative projects and resource-sharing initiatives.

By incorporating ChatGPT into your planning process, you can streamline tasks, enhance productivity, and ensure comprehensive and well-organized events. Join us in discovering the potential of ChatGPT and transforming how we plan and execute professional development events. Let's make this Resource Fair a standout success together!

2

# Points to Remember

- **Data Security and Confidentiality:** Prioritize data security and ensure the confidentiality of sensitive information when integrating AI into your workflow.
- **Training and Familiarity:** Stay well-trained and familiar with the AI tools and systems you're using to maximize their benefits.
- **Human-AI Collaboration:** Understand that AI is a tool to enhance your work, not replace it. Collaborate with AI to improve efficiency and effectiveness.
- **Adaptation and Learning:** AI technologies evolve, so be open to adapting to new AI solutions and continually learning to leverage their capabilities effectively.

## Ways Bad Actors Could Use AI

- Security and Privacy Concerns
- Training and Privacy Issues
- Generates Wrong Answers
- Bias Baked Into Its System
- Might Take Jobs from Humans
- Challenging Education
- Could Cause Real World Harm
- OpenAI Holds All the Power

[8 Big Problems With OpenAI's ChatGPT \(makeuseof.com\)](#)

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# On the Horizon

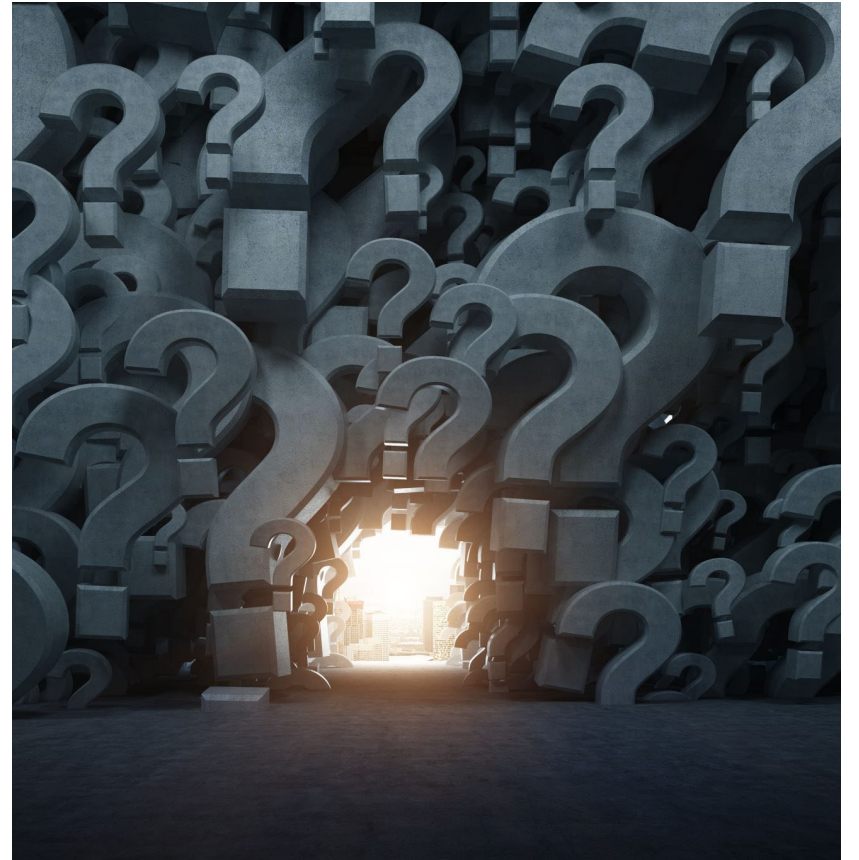
- **Countrywide Scrutiny:** Global scrutiny on AI usage intensifies.
- **Federal Oversight:** U.S. Congress reviews AI regulatory frameworks.
- **Educational Sector Response:** Educational institutions nationwide are exploring AI implications."
- **Public Awareness:** Widespread public awareness of AI remains limited.
- **State-Level Examination:** Texas Legislature evaluates AI impact and policy needs.
  - HB 18 – Protect minors on electronic devices.
  - HB 2060 – Protection of minors from ... digital services and electronic devices.
  - SB 1893 – Prohibiting the use of certain social media applications and services.



# Questions to Consider

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- What are some of the negatives and positives of AI?
- What are some ways that AI can be used in our everyday lives?
- How can we use AI in our current roles to make our lives easier?
- How can we utilize AI to help our members and school children?





# How will you address AI in your life?

# OpenAI ChatGPT



- Must create an account
- Requires email
- Requires phone number
- Requires agreement to terms of use
- They have an app



# Questions?

# Contact Information



**Karlyn Keller, Ed.D.**

Division Director

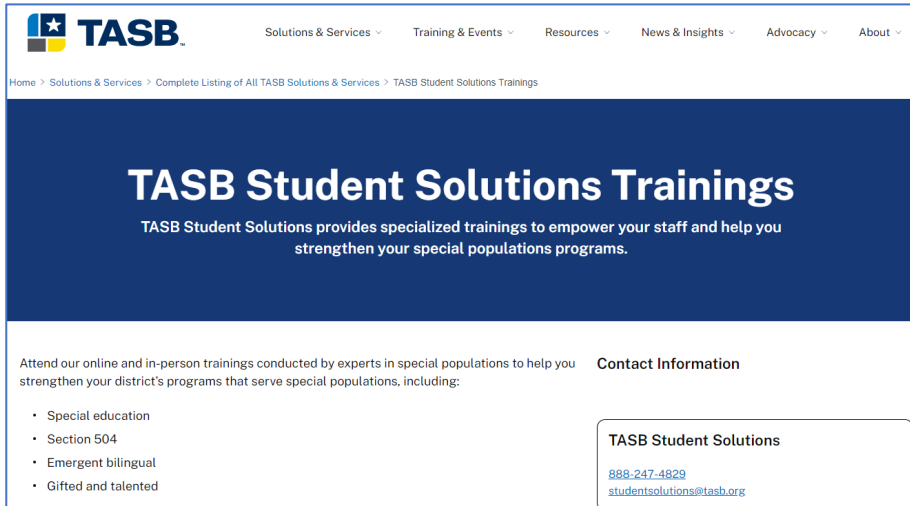
TASB School Medicaid Services  
& Student Solutions

512-505-2896 (direct) \* 972-567-9959 (cell)

[karlyn.keller@tasb.org](mailto:karlyn.keller@tasb.org)

*The information in this presentation may include the intellectual property of third parties.*

# TASB Student Solutions



The screenshot shows the TASB website header with navigation links: Solutions & Services, Training & Events, Resources, News & Insights, Advocacy, and About. Below the header is a breadcrumb trail: Home > Solutions & Services > Complete Listing of All TASB Solutions & Services > TASB Student Solutions Trainings. The main content area features a dark blue header with the text "TASB Student Solutions Trainings" and a sub-header: "TASB Student Solutions provides specialized trainings to empower your staff and help you strengthen your special populations programs." Below this is a section titled "Attend our online and in-person trainings conducted by experts in special populations to help you strengthen your district's programs that serve special populations, including:" followed by a bulleted list: Special education, Section 504, Emergent bilingual, and Gifted and talented. To the right of this list is a "Contact Information" box containing the text "TASB Student Solutions", the phone number "888-247-4829", and the email address "studentsolutions@tasb.org".

- Dates for 24-25 Student Solutions webinars will be posted later this summer.
- All *Student Solutions* webinars are available for download for SS Members online.
- Available state-wide.