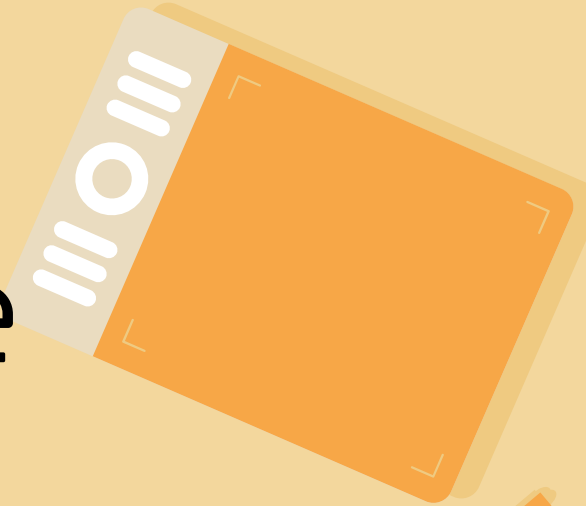


Artificial Intelligence





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Agenda

- What is Artificial Intelligence?
- Everyday Uses for Chat GPT and AI
- Limitations and Challenges



[Canva AI Image Generator](#)

What is AI?

Pop quiz: How long has artificial intelligence been around?



A VERY Brief History of AI

Computing Machinery and Intelligence

Alan Turing publishes article proposing machines that can think, Turing Test.

1950

1955

Logic Theorist

The first AI program is invented

Eliza

First chatbot

1964

1986

NavLab

Autonomous automobile

1997

Deep Blue

Computer beats grandmaster Gary Kasparov at chess.

Dragon Systems

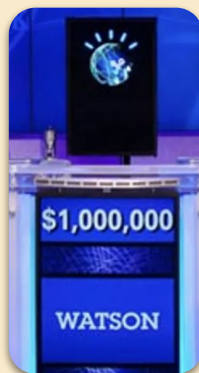
First speech recognition software available

A Brief History of AI in the 2000's



2002
Roomba

Siri
2008



2011
Watson

2014

Alexa



2022



OpenAI

Chat GPT, Dall-E, Craiyon released to the public with API access, immediately gaining millions of users.

So What's the Big Deal with AI Now?

Generative

Can produce new content from what it has learned.



Natural Language Processing

Trained to interact with people in the way we communicate.



Refineable

Results can be tailored, fine-tuned, and targeted.

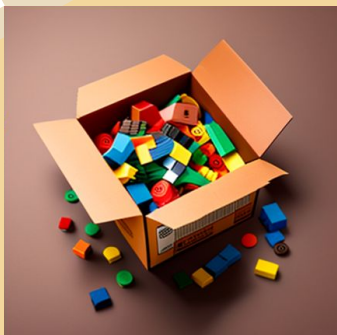


Multimedia

Text, images, audio, video are all editable and producible.

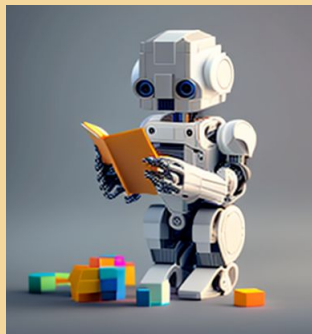


Generative AI



Imagine a box of **Legos**...

Each Lego represents a small piece of information that the computer has learned from studying a bunch of examples...



Give it a prompt like '**create a tree**,' and it starts piecing together the Legos to make an example of what it has previously learned about trees.



It keeps trying different combinations until it comes up with something that looks like a tree.



Machine Learning

A branch of AI and CS focused on the use of data and algorithms to imitate the way that humans learn, gradually improving its accuracy.

Source: [IBM](#)



Chat GPT-3 was trained on 176 billion parameters and 570 GB of data from books, websites, articles, and more.



But... it doesn't know the context of what it is saying.

Instead, it makes predictions on what the next word should be as it creates.

Generative AI

By the way... most of the text and images from this section were AI-generated.



Images from [Midjourney](#) and [Canva](#)



How can we simplify it?

*Hopefully AI will do the 4Ds – the dirty,
dull, difficult and the dangerous.*

Professor Toby Walsh, Reddit AMA

Industries Already Using AI

- **Automotive** - self-driving cars
- **Medical** - [diagnosing complex diseases](#)
- **Gaming** - more realistic opponents
- **Agriculture** - analyze soil/weather
- **Finance** - investment analysis & decision-making
- **Entertainment** - special effects, [deepfake videos](#);





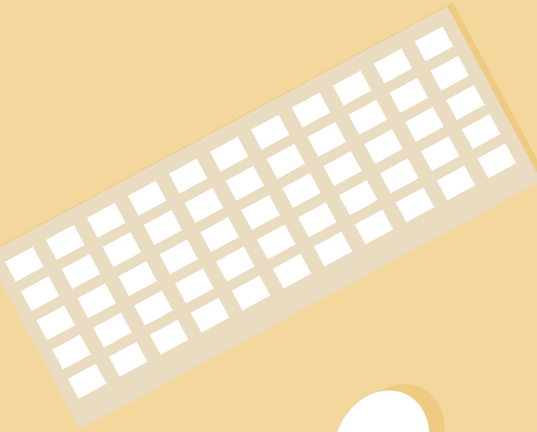

Chat GPT [passed the Bar Exam](#)



The Big Names

- OpenAI - Chat GPT
- Google Bard
- Adobe Firefly
- Microsoft Bing, Copilot
- Meta + MS = Llama
- Elon Musk - [X.AI](#)
- AppleGPT, Apple Ajax



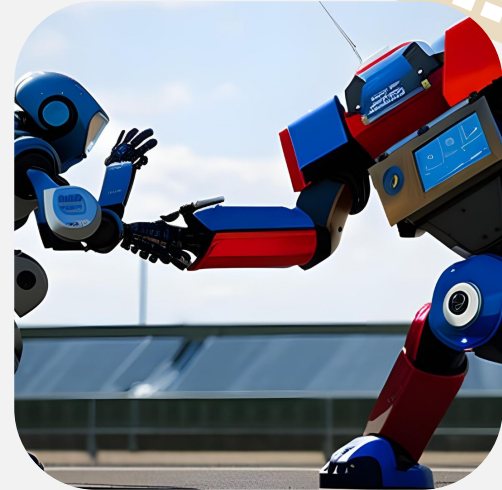


Everyday Uses for Chatbots


*Your Smarter way to
Search*



Bard vs Chat GPT

- Bard scrapes the internet along with its data sets to provide information
- ChatGPT relies only on the information previously uploaded
- Bard is more concise with responses
- ChatGPT provides more detailed responses
- Bard - Exports directly to a Google Doc
- ChatGPT provides a link to previous chats
- Bard = Free and reliable
- ChatGPT = Freemium but less reliable








Summarizing & Simplifying

 pick out the best 4 of those

 Certainly! Here are four reflection questions that can stimulate meaningful discussion after participants explore ChatGPT for the first time: 

1. What was your initial reaction to using ChatGPT? Did anything surprise you or stand out?
This question allows participants to reflect on their initial impressions and share any surprises or standout moments they experienced while interacting with ChatGPT. It encourages participants to express their immediate thoughts and emotions.
2. What did you find most valuable or useful about ChatGPT? Were there any specific features or capabilities that stood out to you?
By focusing on the positive aspects of ChatGPT, this question allows participants to identify and highlight the specific features or capabilities of the AI tool that they found valuable or useful. It encourages participants to think about potential benefits and applications in their teaching practice.
3. Did you encounter any limitations or challenges while using ChatGPT? If so, what were they?
This question prompts participants to reflect on the limitations and challenges they faced while interacting with ChatGPT. It encourages participants to critically assess the boundaries and potential drawbacks of relying on AI tools like ChatGPT, fostering a balanced perspective.
4. Based on your initial experience with ChatGPT, what ideas or possibilities come to mind

 what are some reflection questions I should ask the group after they explore ChatGPT for the first time

 After participants have had the opportunity to explore ChatGPT for the first time, you can facilitate a group reflection session using the following questions:   

1. What was your initial reaction to using ChatGPT? Did anything surprise you or stand out?
2. How would you describe the experience of interacting with an AI chatbot like ChatGPT?
3. What did you find most valuable or useful about ChatGPT? Were there any specific features or capabilities that stood out to you?
4. Did you encounter any limitations or challenges while using ChatGPT? If so, what were they?
5. How do you think ChatGPT could enhance or support teaching and learning in your specific subject area or grade level?
6. What concerns, if any, do you have about incorporating ChatGPT or similar AI tools in your teaching practice?
7. Reflecting on the potential impact of AI on education, what are some opportunities and benefits you see in using AI tools like ChatGPT?
8. How do you think the use of AI tools may change or influence the role of teachers and students in the learning process?
9. What ethical considerations or issues should be taken into account when using AI tools like ChatGPT in educational settings?
10. Based on your initial experience with ChatGPT, what ideas or possibilities come to mind for how you might integrate AI tools into your teaching practice?

Creating a Catchy Title



rewrite the title: Unleash Creativity in the Classroom with Google: A Guide to Using Canva, Book Creator, and Clipchamp on Chromebook



< 4 / 4 >



"Chromebook Creativity Unleashed: A Comprehensive Guide to Canva, Book Creator, and Clipchamp for Classroom Use"



Still working on that title...

can you suggest a title for this story?

"Summer Fun with Ryder: Swimming, Golfing, Baseball, Basketball, and Baby Brother"

let's try another one

Sure! What type of story would you like?

another title

Oh, I see! How about "The Mystery of the Missing Key"?

A different title for the story you wrote above

Certainly! How about "A Summer Day of Swimming, Sports, and Sibling Love"?

A Solution to Writer's Block



I need a title for a keynote about using transformative technologies practically in the classroom



"From Science Fiction to Classroom Reality: Using Transformative Technologies to Enhance Learning"



write a description for that session, use references from the jetsons, star trek, and other pop culture future technologies that our students are currently experiencing. the audience is teachers



In this keynote, we will explore the exciting possibilities of using transformative technologies in the classroom, drawing inspiration from popular culture's futuristic portrayals of technology like The Jetsons and Star Trek.



Imagine a classroom where students use virtual and augmented reality to explore new worlds and ideas, where they collaborate with peers from around the globe in real-time, and where personalized learning experiences are tailored to their unique needs and interests. These technologies may have once seemed like science fiction, but they are quickly becoming a reality in our classrooms.

Create Outlines and Agendas



How would you outline a workshop for teachers that are learning about bringing digital storytelling to their classrooms? We will be using Canva for photos, flyers, and videos. Clip Champ for video creation, Book Creator to write stories, and Google Sites for website publishing



Great question! Here's an outline for a workshop on bringing digital storytelling to classrooms using Canva, Clip Champ, Book Creator, and Google Sites:



I. Introduction

- Introduce yourself and explain the purpose of the workshop
- Share the learning objectives of the workshop

II. What is digital storytelling?

- Define digital storytelling
- Discuss the benefits of digital storytelling in the classroom
- Provide examples of digital storytelling

III. Introduction to Canva

- Explain what Canva is and its features
- Show how to use Canva to create photos, flyers, and videos

IV. Introduction to Clip Champ

- Explain what Clip Champ is and its features

Other Ideas

Creating Documents

- Emails
- Copy for websites
- Instructions
- Rubrics

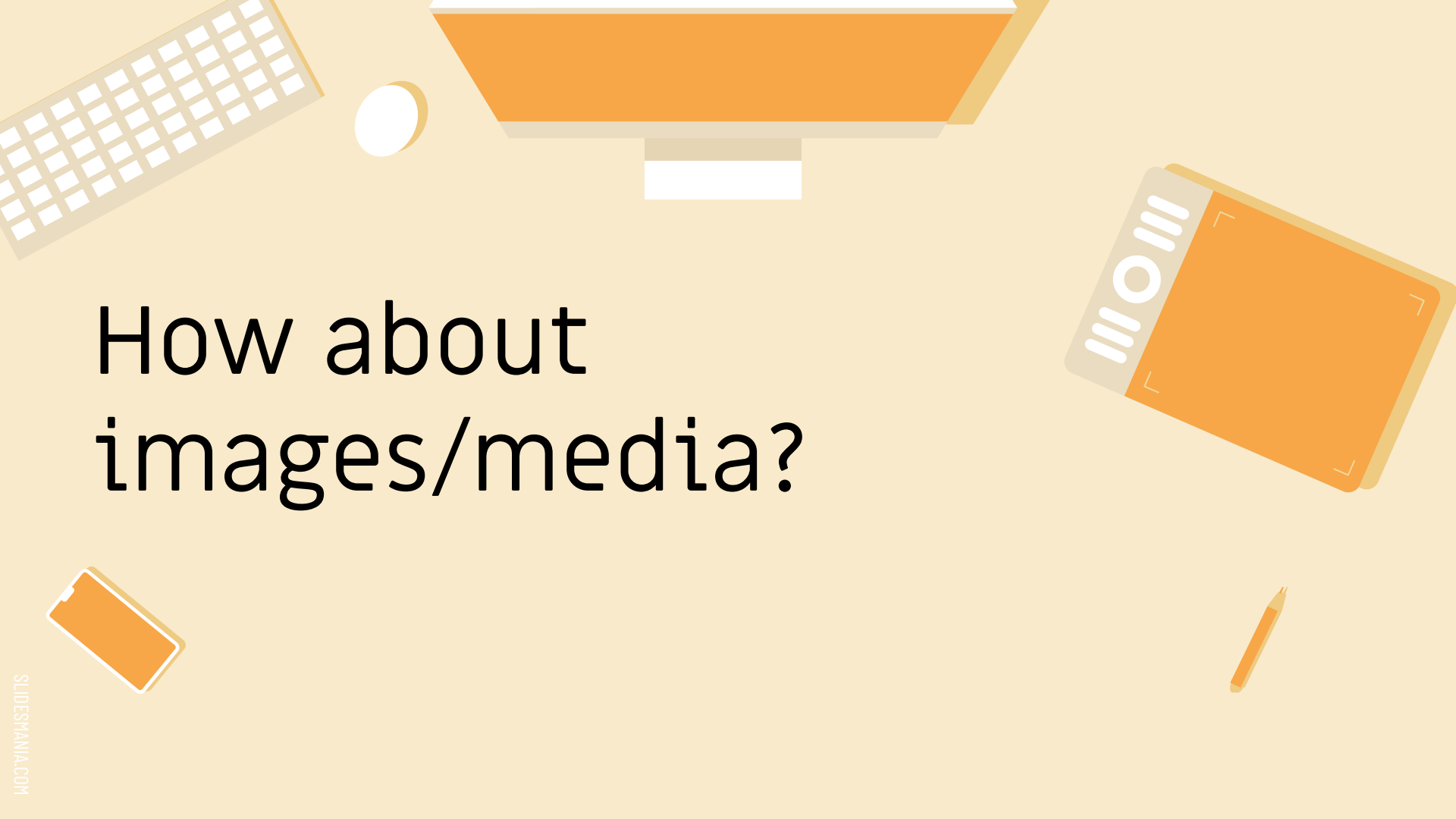
Condensing Research

Explaining Concepts

Creating Lists

Creating Tables of data



The background features several stylized, flat-design icons in shades of orange and grey. At the top center is a computer monitor with a white base. To its left is a keyboard and a mouse. To the right is a tablet with a grey top edge and an orange screen. At the bottom left is a smartphone, and at the bottom right is a pencil.

How about
images/media?

Let's see an example!

A good prompt might have...

- Noun [Person, creature, thing]
- Verb
- Adjective
- Style of art

[Canva Image Generator](#)



Example: Cheeseburger cat sitting on a table, realistic

Photoshop Generative Fill

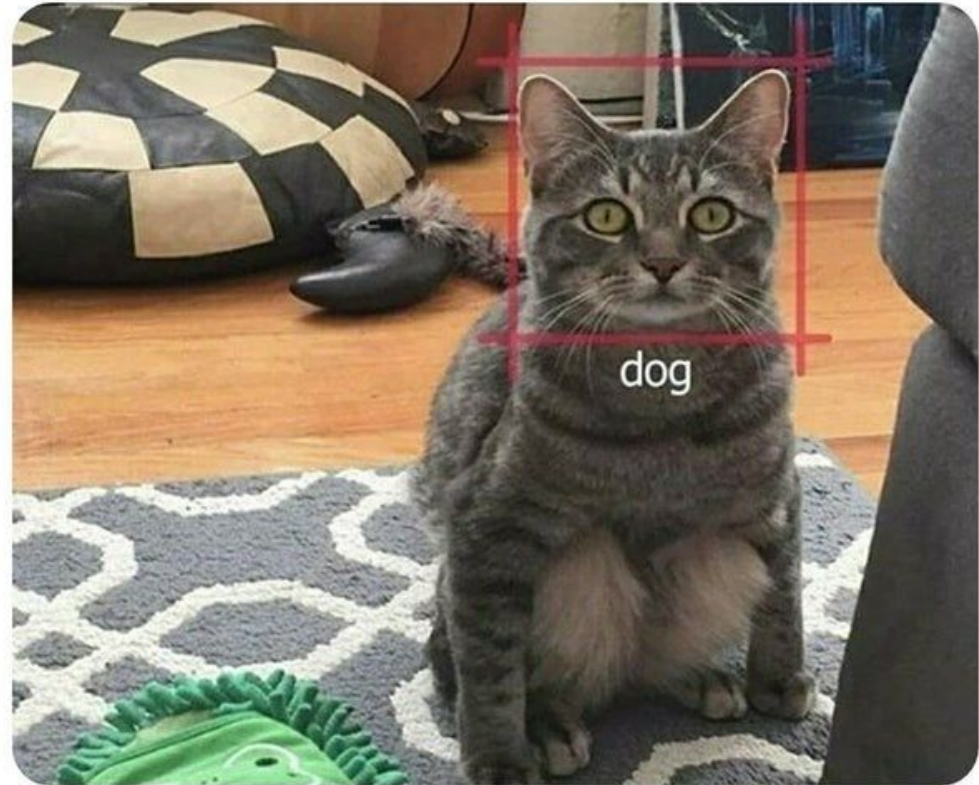
Photoshop now allows you to generative fill AI content into your images




Limitations & Challenges

90's Media: AI WILL DESTROY THE WORLD IN A DECADE

That AI today:





Implications on Artists / Copyright



- Is it fair to “train” AI using copyrighted works?
- Who “owns” AI-generated products?
- [Artist rejects photo prize after AI-generated image wins award](#)
- [How AI finished Beethoven's last symphony](#)
[and what that means for the future of music]

Fact Check / Self-Check

AI can generate “fake news” by incorrectly piecing together real information or events.



[Image source](#)





Domain-Specific and Current Knowledge

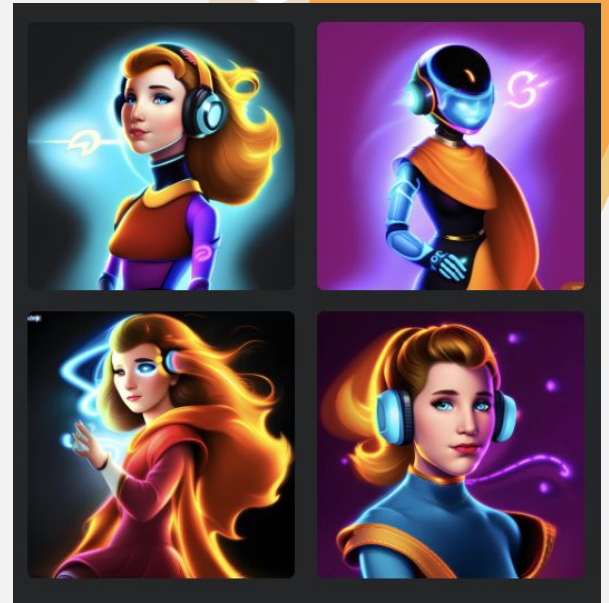
“I can provide general information on a wide range of topics, but I may not have in-depth knowledge of specific fields or industries.”

“My training data includes a vast amount of text from the internet and other sources up to **September 2021**, which was my knowledge cut-off date.”

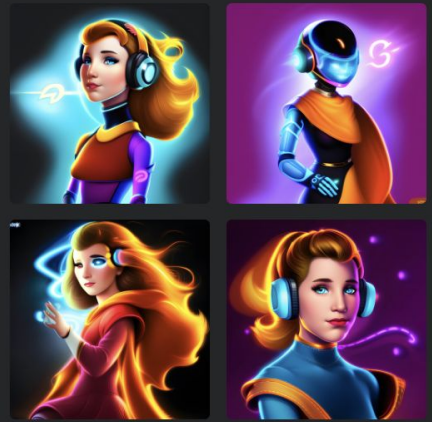
Bias and Morality

AI can only be as ethical and enlightened as its programmers and the data it reviews.

While there are filters in place on many of them, expect that “unconscious” bias may reveal itself in the results!



Varying Results



Some rules apply when using these images. [Learn more](#)

A teacher cyborg

Styles

See all



None



Dreamlike



Filmic

 Text to Image



Some rules apply when using these images. [Learn more](#)

A teacher cyborg



Some rules apply when using these images. [Learn more](#)

A teacher leading a class in a lesson about artificial intelligence



Some rules apply when using these images. [Learn more](#)

A teacher



Hallucinations

From Chat GPT:

“While I can generate coherent text based on the inputs I receive, I may sometimes miss the nuances of a conversation and provide inaccurate or irrelevant responses.”

AI may confidently produce a response that does not match its training data.

Everyone: AI art will make designers obsolete

AI accepting the job:



Thank You!

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