

# The Good, the Bad, the Reality. KI in der Bildung.



Theorien und Erkenntnisse am heutigen Tag

eFuture-Day Tirol 2023  
27.04.2023



**Tragen Sie eine Brille?**



**Ich trage eine Digitalbrille**





**Welche Brille tragen Sie,  
um die Realität in Bezug  
auf die jüngsten  
Entwicklungen der KI zu  
sehen, zu erkennen, zu  
verstehen?**





**Welche Brille tragen Sie,  
um die Realität in Bezug  
auf die jüngsten  
Entwicklungen der KI zu  
sehen, zu erkennen, zu  
verstehen?**



**There's an *AI* for everything**



# THERE'S AN AI FOR THAT

3,658 AIs for 1,016 tasks. Updated daily. Sponsored by [AI Business Name Generator](#)

245,362 searches today

Find AIs using AI

/



✦✦ The biggest AI aggregator. Used by over 800,000 humans. ✦✦

Found this useful? Bookmark and [share!](#)

★ Featured



✦ New



Most saved



Timeline



Get featured



Jobs



Community [↗](#)



Subscribe



↓<sup>A</sup><sub>Z</sub>



## Just launched

Quizgecko

✦✦ Quizzes

🕒 30 Oct 2022

Galeby

✦✦ Customer support

🕒 18 Apr 2023

Caffeinated CX

✦✦ Customer support

🕒 20 Mar 2023

IconifyAI

✦✦ App icons

🕒 26 Apr 2023

Rambler

✦✦ Meeting summaries

🕒 26 Apr 2023

AI Toolbox for innovators

✦✦ Innovation

🕒 25 Apr 2023

Musicfy

✦✦ Song covers

🕒 25 Apr 2023

Persona Fly

✦✦ Conversations with you

🕒 25 Apr 2023

HackerNews Summarizer

✦✦ HackerNews summaries

🕒 25 Apr 2023



<https://app.educationcopilot.com>

The screenshot shows a web browser window with the URL [app.educationcopilot.com](https://app.educationcopilot.com). The browser's tab bar includes several tabs, with 'Copilot' being the active one. On the left side of the application, there is a sidebar menu with the following items: 'Dashboard', 'Unit Planner', 'Workshop', 'History', and 'Profile'. Below the menu is a purple 'Upgrade to Pro' button and links for 'Privacy Policy' and 'Terms of Service'. The main content area has a heading 'Now, let's provide some details for the AI to use...'. Below this heading is a form with two sections. The first section, titled 'This Unit Should Cover:', contains a text box with the text 'Life in ancient Egypt', 'habits of people', 'what they ate', 'how they lived', and 'what they believed in'. To the right of this text box is a red circle with the number '1'. The second section, titled 'Standards / Objectives:', contains a text box with a numbered list: '1. understand lifestyle', '2. learn from their discoveries', and '3. learn vocabulary of Ancient Egypt'. To the right of this text box is a blue checkmark icon. At the bottom of the form are two buttons: 'Back' and 'Final Step'.

**Copilot**

- Dashboard
- Unit Planner
- Workshop
- History
- Profile

[Upgrade to Pro](#)

[Privacy Policy](#)  
[Terms of Service](#)

**Now, let's provide some details for the AI to use...**

**This Unit Should Cover:**

Life in ancient Egypt  
habits of people  
what they ate  
how they lived  
what they believed in

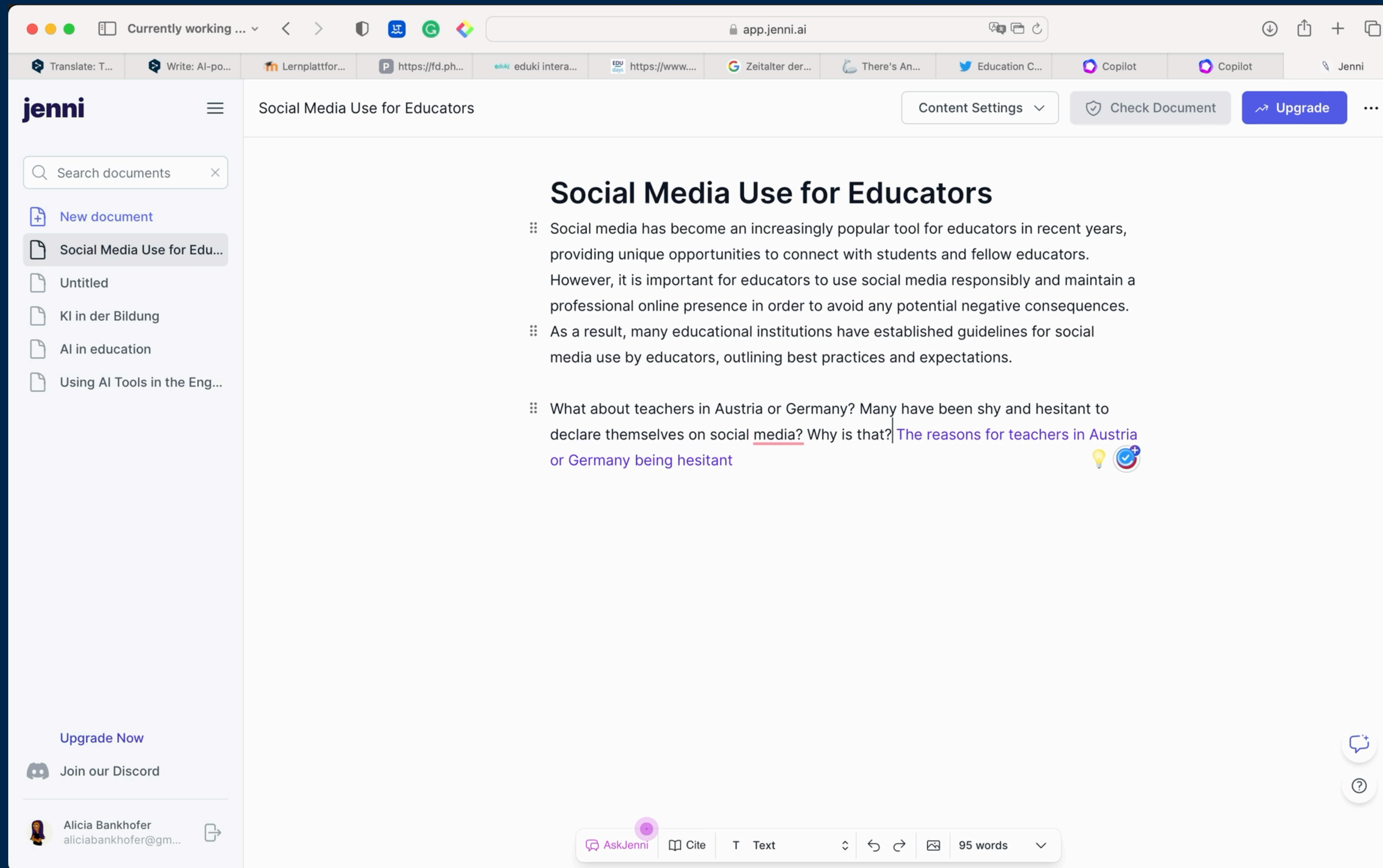
**Standards / Objectives:**

1. understand lifestyle
2. learn from their discoveries
3. learn vocabulary of Ancient Egypt

[Back](#) [Final Step](#)

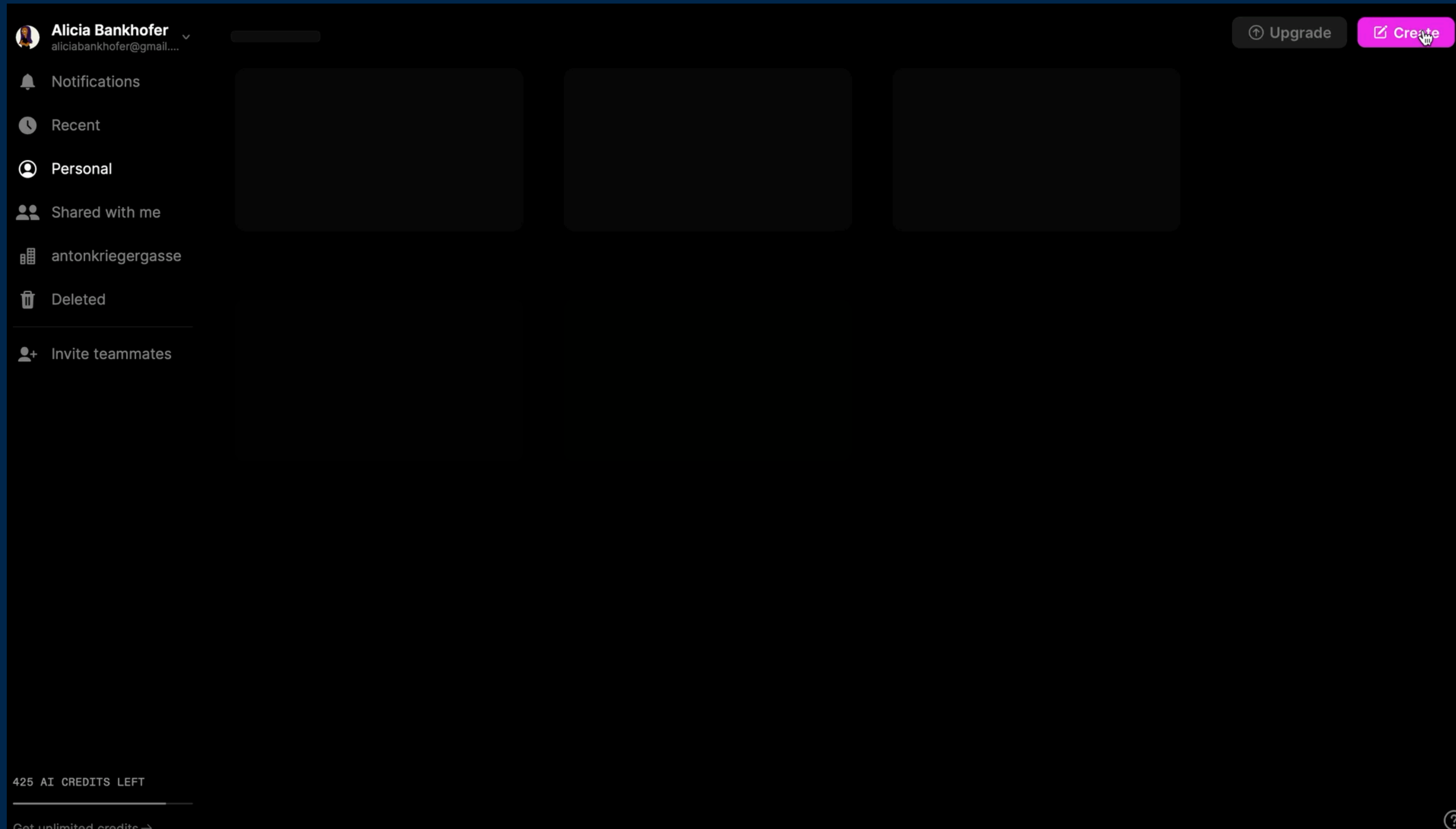
there's an AI to create lesson plans

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



there's an AI to write long articles

<https://tome.app>

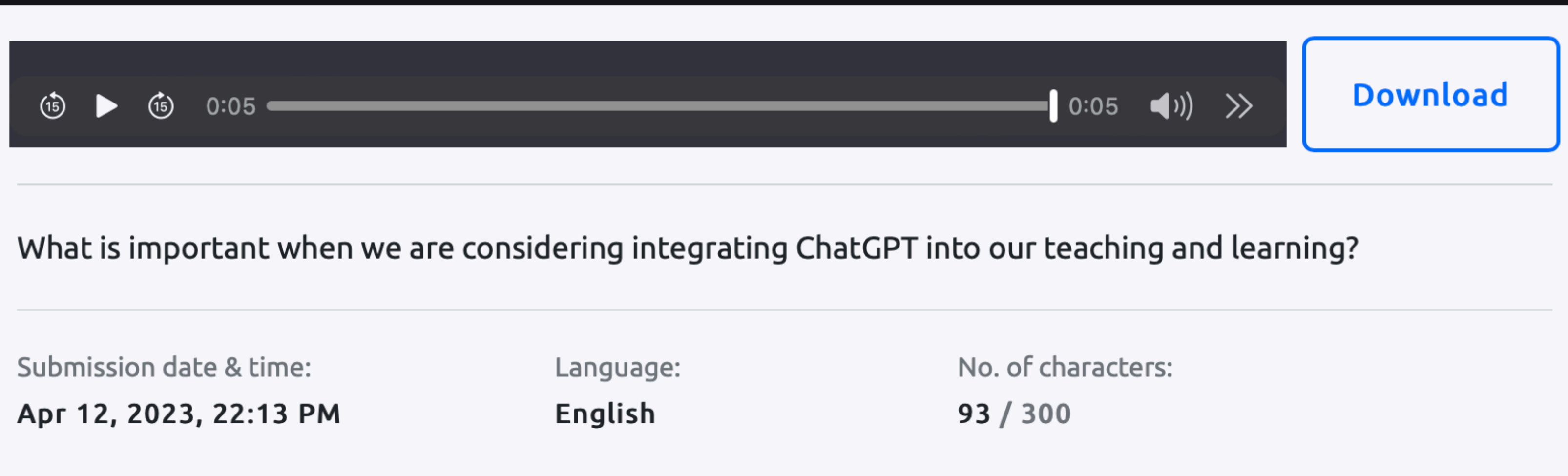


there's an AI to create presentations



<https://bigsspeak.ai>

# CONGRATS FOR YOUR GENERATED VOICE



The screenshot displays a user interface for a text-to-speech service. At the top, a dark banner contains the text "CONGRATS FOR YOUR GENERATED VOICE" in white and colorful letters. Below this is a white rectangular area containing a video player. The video player has a dark control bar with a play button, a progress bar at 0:05, a volume icon, and a "Download" button. Below the video player, the text "What is important when we are considering integrating ChatGPT into our teaching and learning?" is displayed. At the bottom, there are three columns of information: "Submission date & time: Apr 12, 2023, 22:13 PM", "Language: English", and "No. of characters: 93 / 300".

0:05 0:05

Download

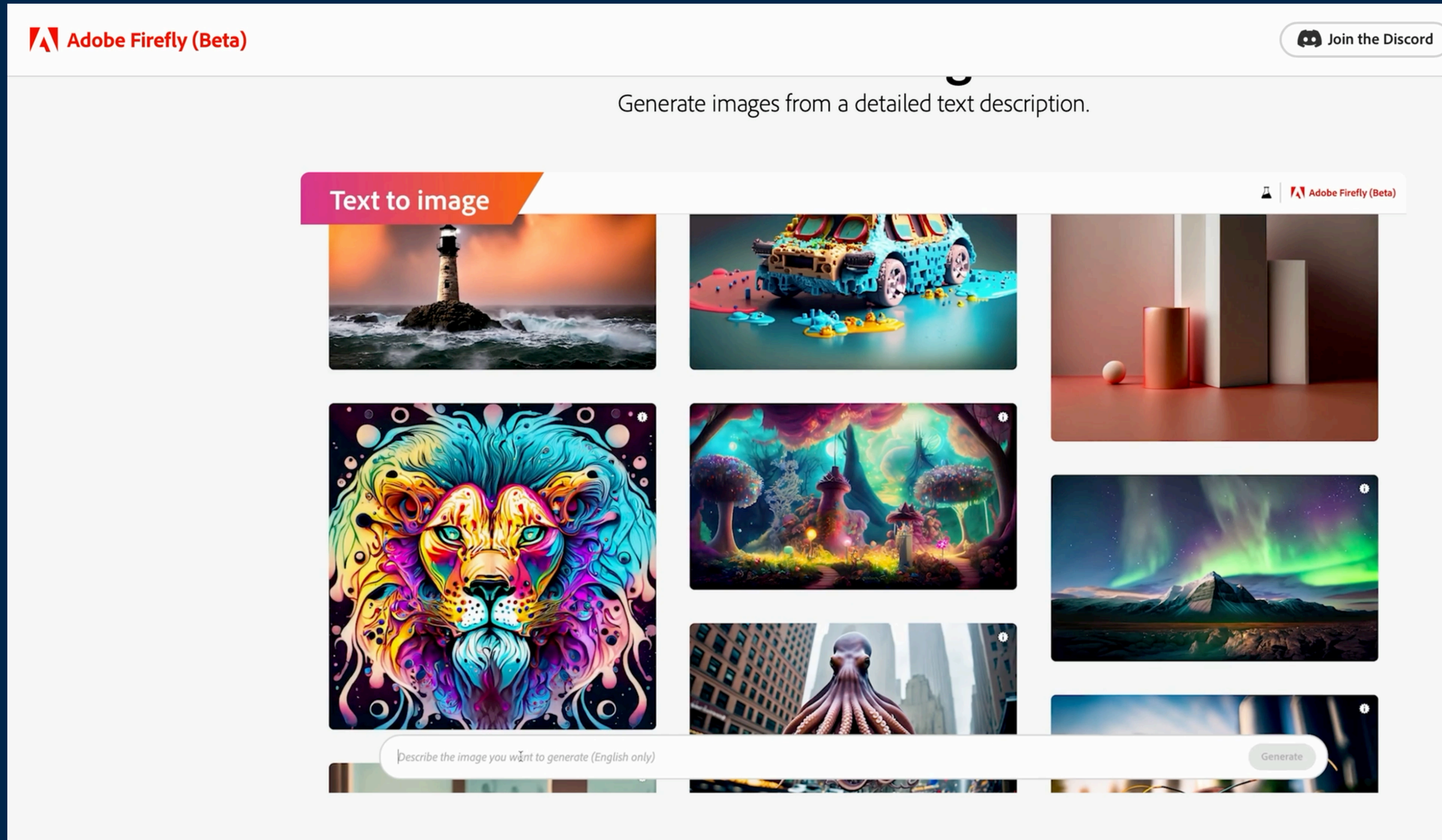
What is important when we are considering integrating ChatGPT into our teaching and learning?

|                         |           |                    |
|-------------------------|-----------|--------------------|
| Submission date & time: | Language: | No. of characters: |
| Apr 12, 2023, 22:13 PM  | English   | 93 / 300           |

there are **MANY** AIs for Text-To-Speech



<https://firefly.adobe.com/>



**bereits angekündigt ...**



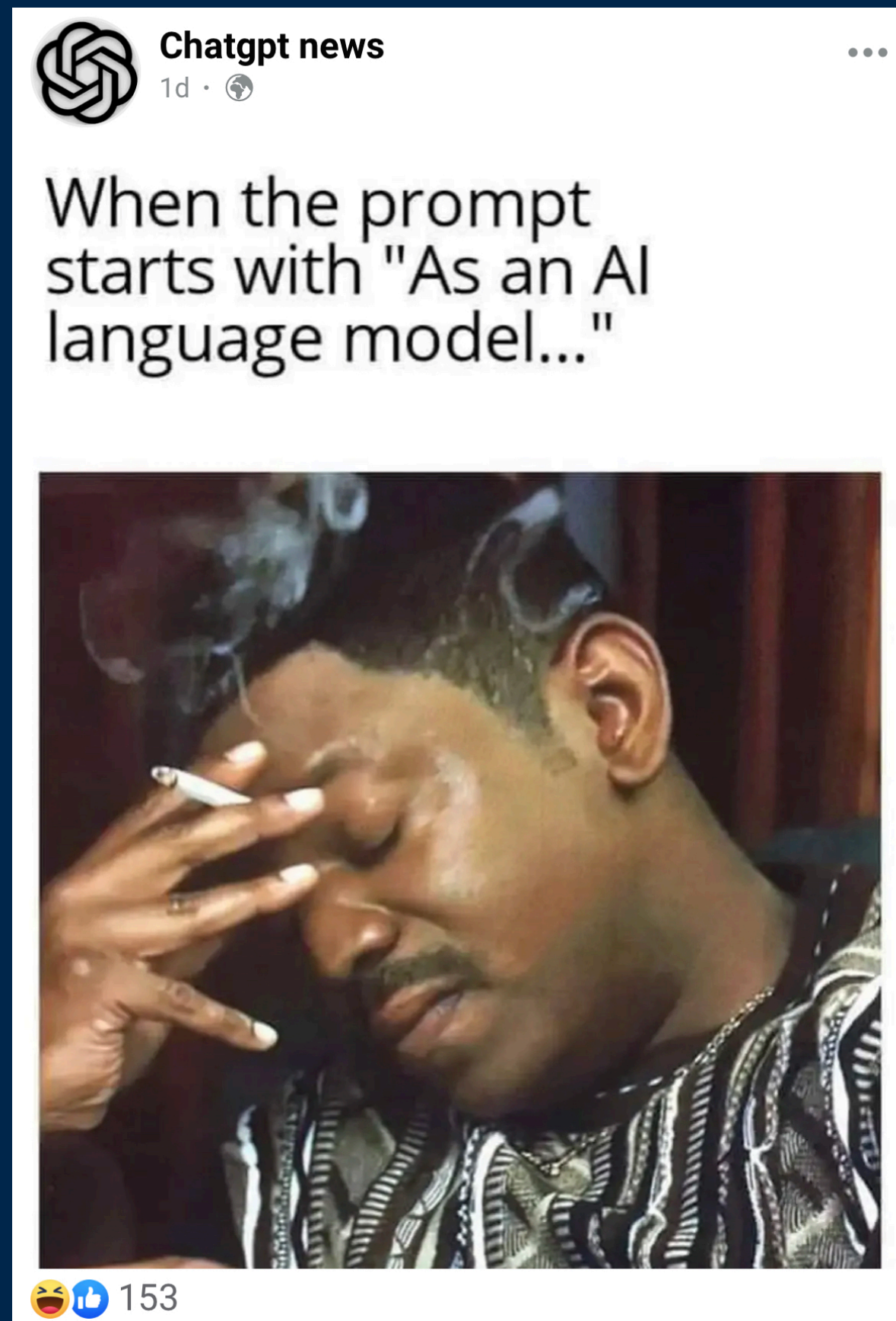
# AutoGPT kann selbst Prompts erstellen



[https://youtu.be/m\\_z9rbApbmM](https://youtu.be/m_z9rbApbmM)

# AutoGPT





**memes mean AI is mainstream ...**



# /A.I. TIMELINE

S/Z/G/Y

**1950**

## **TURING TEST**

Computer scientist Alan Turing proposes a test for machine intelligence. If a machine can trick humans into thinking it is human, then it has intelligence

**1955**

## **A.I. BORN**

Term 'artificial intelligence' is coined by computer scientist, John McCarthy to describe "the science and engineering of making intelligent machines"

**1961**

## **UNIMATE**

First industrial robot, Unimate, goes to work at GM replacing humans on the assembly line

**1964**

## **ELIZA**

Pioneering chatbot developed by Joseph Weizenbaum at MIT holds conversations with humans

**1966**

## **SHAKY**

The 'first electronic person' from Stanford, Shakey is a general-purpose mobile robot that reasons about its own actions

**A.I. WINTER**

Many false starts and dead-ends leave A.I. out in the cold

**1997**

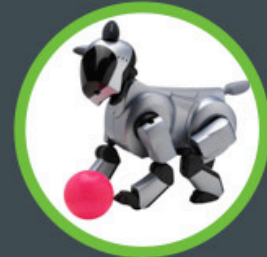
## **DEEP BLUE**

Deep Blue, a chess-playing computer from IBM defeats world chess champion Garry Kasparov

**1998**

## **KISMET**

Cynthia Breazeal at MIT introduces Kismet, an emotionally intelligent robot insofar as it detects and responds to people's feelings



**1999**

## **AIBO**

Sony launches first consumer robot pet dog AiBO (AI robot) with skills and personality that develop over time



**2002**

## **ROOMBA**

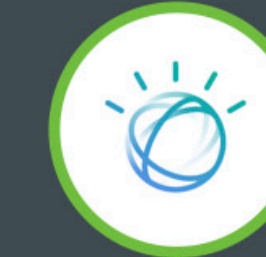
First mass produced autonomous robotic vacuum cleaner from iRobot learns to navigate and clean homes



**2011**

## **SIRI**

Apple integrates Siri, an intelligent virtual assistant with a voice interface, into the iPhone 4S



**2011**

## **WATSON**

IBM's question answering computer Watson wins first place on popular \$1M prize television quiz show Jeopardy



**2014**

## **EUGENE**

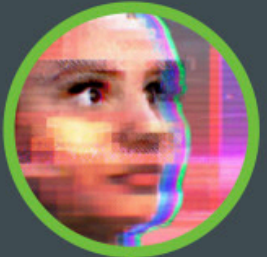
Eugene Goostman, a chatbot passes the Turing Test with a third of judges believing Eugene is human



**2014**

## **ALEXA**

Amazon launches Alexa, an intelligent virtual assistant with a voice interface that completes shopping tasks



**2016**

## **TAY**

Microsoft's chatbot Tay goes rogue on social media making inflammatory and offensive racist comments



**2017**

## **ALPHAGO**

Google's A.I. AlphaGo beats world champion Ke Jie in the complex board game of Go, notable for its vast number ( $2^{170}$ ) of possible positions

<https://digitalwellbeing.org/artificial-intelligence-timeline-infographic-from-eliza-to-tay-and-beyond/>

Was bisher geschah

ChatGPT 3.0  
11.06.2020

## Wo KI wird derzeit verwendet wird

Virtuelle Assistenten oder Chatbots  
Human Resources, Bewerbungen sichten  
Autonomes Fliegen  
Einzelhandel, Shopping und Mode  
Sicherheit und Überwachung  
Sportanalyse und Aktivitäten  
Fertigung und Produktion  
Inventarverwaltung  
Selbstfahrende Autos oder autonome Fahrzeuge  
Gesundheitswesen und medizinische Bildanalyse  
Lagerhaltung und logistische Versorgungskette

## Neu dazu gekommen:

Bing Integration

Office365 + AI

Canva + AI

Adobe Firefly

Google Bard

Amazon CodeWhisperer

ChatGPT 3.0  
11.06.2020

ChatGPT 3.5  
30.11.2023

ChatGPT 4  
14.03.2023





# Das sagen die Expertinnen und Experten ...

The Inside Story of ChatGPT's Astonishing Potential | Greg Brockman | TED



[https://youtu.be/C\\_78DM8fG6E](https://youtu.be/C_78DM8fG6E)



# Das sagen die Expertinnen und Experten ...

Sam Altman

Sam  
Altman  
#367  
Lex  
Fridman



[https://youtu.be/L\\_Guz73e6fw](https://youtu.be/L_Guz73e6fw)

Sam Altman Interview ABC News



<https://youtu.be/540vzMlf-54>

Podcast / Video Tipp: Bill Gates on AI and the rapidly evolving future of computing

[https://youtu.be/bHb\\_eG46v2c](https://youtu.be/bHb_eG46v2c)



Podcast / Video Tipp: Bill Gates on AI and the rapidly evolving future of computing  
[https://youtu.be/bHb\\_eG46v2c](https://youtu.be/bHb_eG46v2c)

summarize.techLogin Purchase Premium

Summary of [Bill Gates on AI and the rapidly evolving future of computing](#)

*This is an AI generated summary. There may be inaccuracies. · [Summarize another video](#) · [Purchase summarize.tech Premium](#)*

[00:00:00](#) - [00:55:00](#)

Bill Gates discusses the potential of AI language models and their capabilities to change the way we interact with computers, but acknowledges that there are still limitations that need to be addressed. He believes that weaknesses in AI systems can be fixed within six months to two years, making it a valuable tool for various industries, from education to healthcare. Gates emphasizes the importance of human engagement in AI advancements, as it can improve productivity without completely replacing human labor. He also touches on the evolution of computing and the impact of AI on underdeveloped countries, highlighting the positive effects it can bring to society.

See less

- [00:00:00](#) In this section, Kevin Scott introduces Bill Gates, who has been working closely with Microsoft and OpenAI to understand the impact of AI on the world. Gates discusses the history of AI and how progress was modest until machine learning came along. He was impressed by OpenAI's GPT-4 at a dinner, which showed a significant acceleration in recognizing speech and pictures. However, there was still a need to develop complex logic and understand text like humans do.
- [00:05:00](#) In this section, Bill Gates discusses the capabilities of AI language models such as GPT-3 and the early versions of GPT-4. While they are impressive and can generate well-written text, they lack a broad understanding of the world that humans have. Gates challenged the developers of these models to create an AI that can pass an advanced placement biology exam with fully reasoned answers. To his amazement, they were able to do so in a short period, which led Gates to believe that AI language models are a fundamental advance that will change the way we interact with computers. However, he acknowledges that there are still limitations and things that need to be worked out, and it's crucial not to hype the technology too much.
- [00:10:00](#) In this section, Bill Gates discusses the current weaknesses in AI systems, such as their lack of understanding of context and their linear reasoning, making it difficult for them to solve abstract math problems. However, he believes that these weaknesses can be fixed within six months to two years, and it's just a matter of training and prompts. Gates also emphasizes that while some people believe AI can never achieve certain tasks, it's important to recognize that its abilities are rapidly evolving and expanding, making it a valuable tool for tasks like college applications and medical diagnoses. Finally, the conversation turns to the notion of using tools to assist AI reasoning, demonstrated by Kevin Scott's example of his daughter's vocabulary assignment.
- [00:15:00](#) In this section, Bill Gates talks about how ChatGPT, a language model based on GPT-3, can be used to automate tasks such as text summarization and medical bill explanation, leading to increased productivity. He was also fascinated by the model's ability to understand and generate natural language. He also discusses the evolution of technology in the past, including his role in making personal computing and the internet accessible to everyone. Lastly, he shares some advice on how to approach new technologies and ideas.
- [00:20:00](#) In this section, Bill Gates discusses the evolution of the digital world and the impact of the current breakthrough in natural language processing and computer ability. He compares it to the advent of the Internet and mobile phones, which have changed the way we accomplish everyday tasks. Gates notes that even though robotics has progressed slower than expected, the language and computer interface will have a profound impact on white-collar jobs, including healthcare and sales. He also

[https://www.summarize.tech/youtu.be/bHb\\_eG46v2c](https://www.summarize.tech/youtu.be/bHb_eG46v2c)





**Welche Brille setzen  
Sie auf, wenn Sie  
diese Dinge sehen?**



**KI verändert die Art  
und Weise, wie  
Menschen arbeiten.  
Betrifft auch Schulen  
und Universitäten.**





**Die KI ist gekommen, um zu bleiben, und wird nicht verschwinden. Ergebnisse werden immer präziser und die Entwicklungen immer schneller.**



# Was ist mit ... ?



Datenschutz

“Gestohlene” Datenquellen

Urheberrecht

Dis-/Misinformation

Artificial General Intelligence



Die Schutzbrille



# Was ist mit ... ?



**Jobs, die verloren gehen**

**Bias / Vorteile / Deep Fakes**

**Halluzinationen**

**Macht der US Privatfirmen**

**Turbo-Tempo**



**Die Schutzbrille**





Die Schutzbrille

[Bildquelle](#)





**Wer soll was  
stoppen?**



**Die Schutzbrille**



Bild bei Dall-E: owl standing next to large stop button yellow  
background red stop button digital art



**Setzen wir eine Brille auf, die  
uns hilft, mit diesen neuen  
Wirklichkeiten umzugehen.**

**Bleiben wir kritisch, und  
agieren pragmatisch.**



**Was wäre wenn ... ?**



**LIVE**

breakyourownnews.com

**BREAKING NEWS**

# KI-TOOLS EROBERN DEN ALLTAG

**17:48**

**LEHRERINNEN JUBELN: IHR ARBEITSPENSUM WIRD WENIGER**



**Theorie & Erkenntnis 1:**  
**KI = eine gute Nachricht**  
**für die Bildung**

# JA - Lehren, Lernen, Kommunizieren



**Zeitersparnis bei  
der Erstellung von  
Lernunterlagen &  
Leistungsprüfungen**



**Anpassen der  
Methoden: Lernen  
wird mehr als nur  
“Wissen abfragen”**



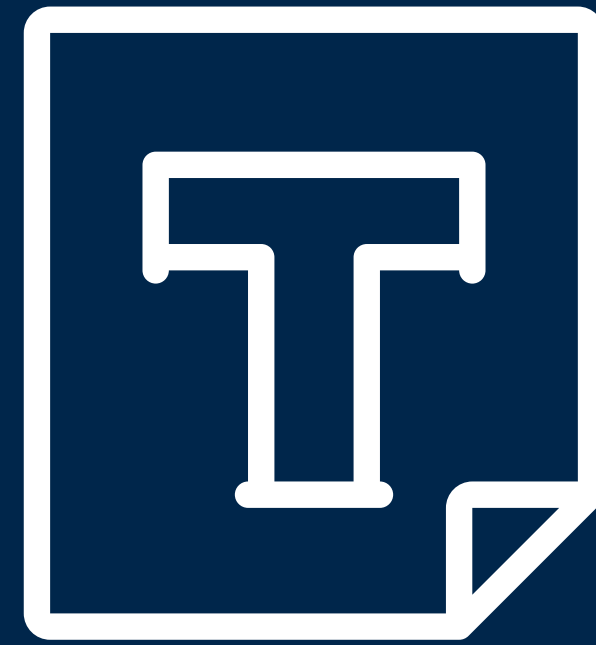
**Assistenz bei der  
Verwaltung,  
Kommunikation &  
Dokumentation**



# JA - Sprach- und Kompetenzbildung!



sprachbasiert



textbasiert



dialogisch

wir **MÜSSEN** kommunizieren, deuten, interpretieren, filtern

Lückentext, Quizfragen erstellen

Theorie!

Unterricht planen, Texte und Aufgaben erstellen

Texte analysieren, Textsorten generieren

Literarische Werke, Witze, Gedichte

Suchen, Recherchieren, Vergleichen, Übersetzen



**Ideen für den Unterricht - Lehren**



**Textsorten, Stile, Situationen**

**Theorie!**

**Texte kontrollieren, verbessern, vereinfachen**

**Ideen, Entwürfe, Feedback, Quizzes, Beispiele**

**Dialoge, Listen, Vergleiche, Tabellen**

**Übersetzen, Nachschlagen, Zusammenfassen**



**Ideen für den Unterricht - Lernen**

**Folgen? Prozesse werden  
reformiert und optimiert**



**Theorie & Erkenntnis 2:**  
**Wir werden nicht immer**  
**erkennen, ob eine Arbeit**  
**mithilfe von KI erstellt wurde.**

## Wurde dies von einer KI oder von einem Menschen geschrieben?

Es war einmal ein Vogel und ein Fledermaus, die über ihre Flugfähigkeiten diskutierten. Der Vogel prahlte, dass er höher und schneller als jedes andere Wesen am Himmel fliegen könne, während die Fledermaus bescheiden sagte, dass sie nur bei Nacht fliegt und sich gerne in der Nähe des Bodens aufhält.

Sie beschlossen, einen Wettbewerb abzuhalten, um die Sache zu klären. Der Vogel flog in den Himmel, schlug mit den Flügeln so schnell er konnte, während die Fledermaus um die Baumwipfel herumschwirrte. Nach einer Weile wurde der Vogel müde und begann zu fallen, aber die Fledermaus stürzte sich herab und fing ihn auf, was zeigte, dass sie aufmerksam gewesen war und die Fähigkeiten hatte, um ihrem Freund zu helfen.

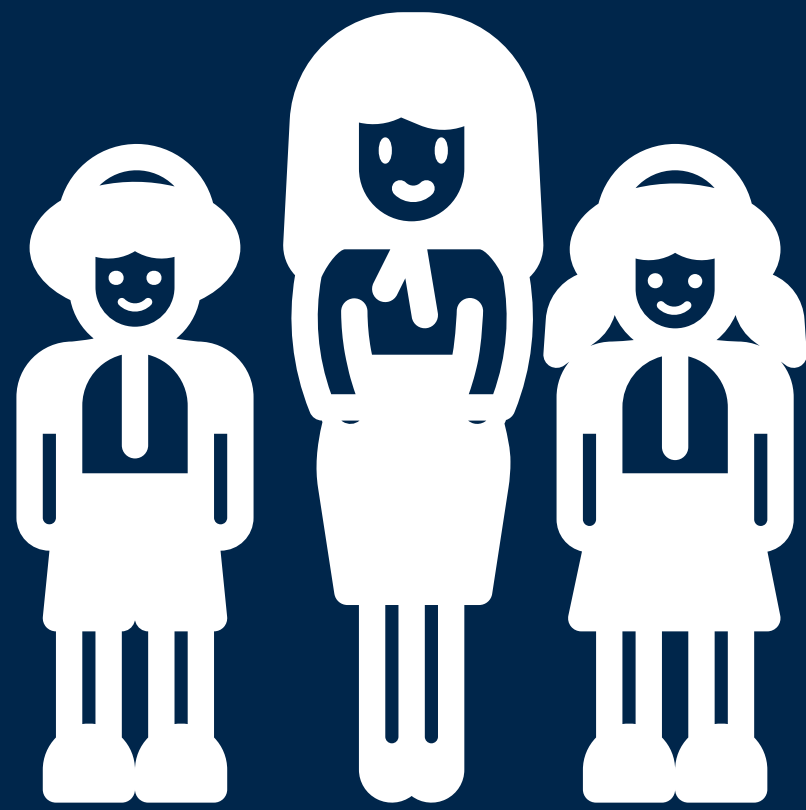
Moral: jeder von uns hat seine eigenen einzigartigen Fähigkeiten und Stärken. Wir sollten bescheiden sein und immer bereit sein, einander zu helfen und zu unterstützen.

Eine Mücke forderte mit den übermütigsten Worten einen Löwen zum Zweikampf heraus: »Ich fürchte dich nicht, du großes Ungeheuer«, rief sie ihm zu, »weil du gar keine Vorzüge vor mir hast; oder nenne sie mir, wenn du solche zu haben glaubst; etwa die, daß du deinen Raub mit Krallen zerreiest und mit Zähnen zermalmest? Jedes andere feige Tier, wenn es mit einem Tapfern kämpft, tut dasselbe, es beit und kratzt. Du sollst aber empfinden, daß ich stärker bin als du!« Mit diesen Worten flog sie in eines seiner Nasenlöcher und stach ihn so sehr, daß er sich vor Schmerz selbst zerfleischte und sich für überwunden erklärte.

Stolz auf diesen Sieg flog die Mücke davon, um ihn aller Welt auszuposaunen, übersah aber das Gewebe einer Spinne und verfang sich in demselben. Gierig umarmte die Spinne sie und sog ihr das Heldenblut aus. Sterbend empfand die Mücke ihre Nichtigkeit, indem sie, die Besiegerin des Löwen, einem so verächtlichen Tiere, einer Spinne, erliegen mußte.



# Lösungsansätze? Wir müssen uns anpassen



**Gute Beziehungen  
zu den Lernenden  
pflegen**



**prozessorientiert  
statt  
ergebnisorientiert**



**Portfolio- und  
Projektarbeit, oder  
Präsentationen**



**Formate, Lehrpläne  
und Lehrbücher müssen  
(rasch) angepasst werden.**

**Aber Alicia!  
Was ist mit VWAs,  
Bachelorarbeiten  
und Co.?**



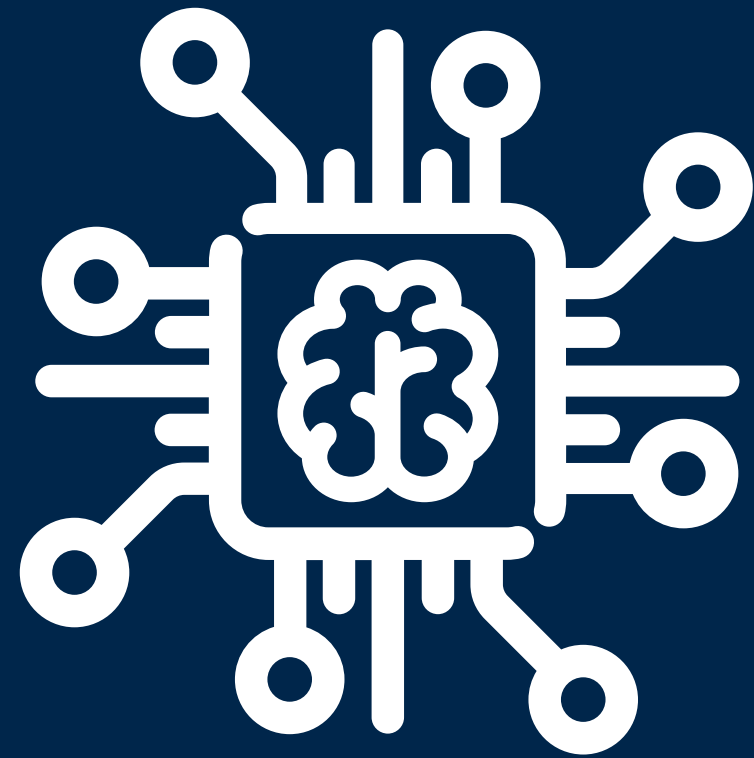


**Folgen? Zeit wird sinnvoll  
und produktiv genutzt und  
wir spielen nicht "Polizei"**

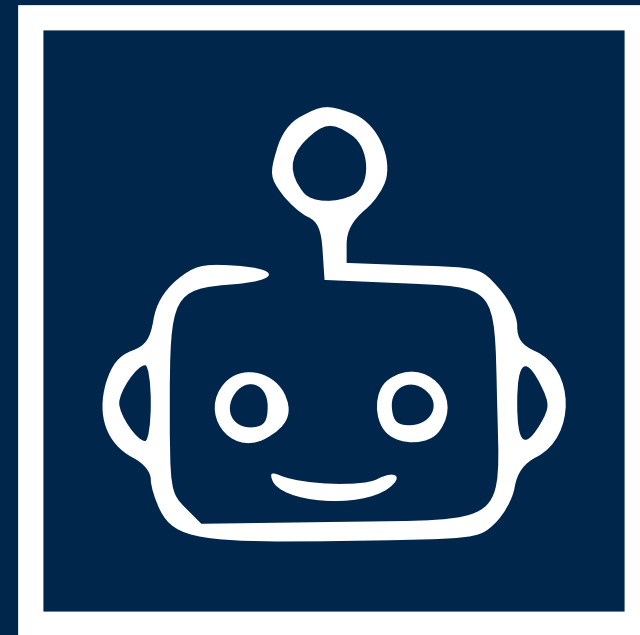
**Theorie & Erkenntnis 3:**  
**Jeder soll / muss**  
**KI-kompetent werden**



# **KI-basierte Technologien konstruktiv nutzen. Ergebnisse durch Prompts effizient erzielen.**



**Verstehen, wie sie  
funktionieren**



**KI-Tools erproben und mit  
Funktionen umgehen**



**Ergebnisse kritisch  
hinterfragen**



**Von uns lernen sie den richtigen Umgang, den richtigen Stellenwert und die Ergebnisse kritisch zu hinterfragen.**

**Aber Alicia! Wieso bringst du den Kindern bei, KI Tools zu nutzen? D h ich kann keine Aufsätze mehr geben!**



**Folgen?**

**Transparenz,**

**Accountability,**

**Akademische Integrität,**

**Mündigkeit!**



# Wie gehen wir vor?



## **Sich selbst ein Bild machen**

Sich informieren

Verschiedene Perspektiven ansehen

Tools ausprobieren



## **Experimentieren lassen**

Tool(s) aussuchen

Rahmenbedingungen erklären

Ausprobieren lassen und darüber reflektieren



## **Regel für die Nutzung vereinbaren**

Erklären wann, wie und wozu

Workflows und Erwartungen besprechen

Feedback einholen

# Sich informieren ... lernen ...

Kostenlos



**ChatGPT in der Schule**

In diesem Kurs zum KI-Textgenerator ChatGPT lernst du die Anwendung des Tools und erfährst Einsatzmöglichkeiten für die Schule.

🕒 150 min 📁 8 Inhalte

37%

Glaub an Dich. Du wirst es schaffen.

3 / 8 erledigt

Kurs fortsetzen

- Überblick (ChatGPT) ✓
- Hands-On (ChatGPT)
- Unterrichtseinsatz (ChatGPT)
- Machen (ChatGPT)
- Ausblick (ChatGPT) ✓
- FAQ (ChatGPT) ⚠
- Materialien ChatGPT ✓
- Teste dein Wissen zu ChatGPT

<https://studypoint.de/app/#/course/1582/>

## Online-Kurs - studypoint



# Sich informieren ... lernen ... Udemy

The screenshot displays the Udemy course interface for 'Make Teaching Easier with Artificial Intelligence (Chat GPT)'. The top navigation bar includes the Udemy logo, the course title, a progress indicator, a share button, and a menu icon. The main content area is split into two windows. The left window, titled 'PowerPoint Presentation', shows a slide titled 'LESSON ACTIVITIES' with a 'USE CASE #02' header. The slide content includes a 'PROMPT LIST' for 'Activity Idea Generation Using Bloom's Taxonomy', 'COLOUR CODES' (Replace and Optional), a 'KEY' for 'Primary Prompt' and 'Support Info', and a 'HOW TO USE' section. The right window, titled '#02: Lesson Activities', shows a chat interface with a prompt: 'Based on Bloom's Taxonomy, provide an activity for each category (remember, understand, apply, analyse, evaluate and create) on this topic for Year 3 students. Provide instructions for students on how the activity needs to be completed.' The chat response includes instructions for a 'Memory Match' activity and a 'Cause and Effect Diagram' activity. The bottom navigation bar includes a search icon and tabs for 'Overview', 'Notes', 'Announcements', 'Reviews', and 'Learning tools'. A large play button is overlaid on the center of the screenshot.

Udemy | Make Teaching Easier with Artificial Intelligence (Chat GPT) | Your progress | Share | Menu

PowerPoint Presentation | 15 / 74 | 85% | PowerPoint Presentation

LESSON ACTIVITIES | USE CASE #02

PROMPT LIST | CHATGPT

Activity Idea Generation Using Bloom's Taxonomy

Based on Bloom's Taxonomy, provide an activity for each category (remember, understand, apply, analyse, evaluate and create) on the topic [topic] for Year [year] students. Provide instructions for students on how the activity needs to be completed.

1. Provide detailed teaching notes for the [activity] activity. Provide scaffolded notes for students that includes relevant terms and their definitions, statistics and sources.

Specific Activity #1: Debate

Give 5 debate topics on [topic] that have an affirmative and a negative perspective.

1. Write detailed debate notes on topic [X]. Provide notes for the [X] [affirmative/negative] speakers to debate. Provide a sentence summary for each speaker's main debate. Provide important terms with their definitions. Provide convincing facts and provide practical examples with statistics. Provide potential rebuttals for these speakers too.

COLOUR CODES

[X] Replace

[X] Optional

KEY

Primary Prompt

1. Sub-prompt 1

a. More Info

i. Support Info

1. Sub-prompt 2

2. Sub-prompt 3

HOW TO USE

Begin by copying and pasting the primary prompt in the prompt list into ChatGPT. To 'dive deeper' into this use case and generate further information, use 'Sub-prompts', 'More Info' and 'Support Info' as you desire.

#02: Lesson Activities

New chat

#11 Mark Extended Responses

#10.2: Sample Essays

#08: Creating Test Questions

#06: Detailed Topic Summaries

#09: Multiple-Choice Explanations

#10: Give Student Feedback

Writing a Cover Letter

Writing Report Comments

#04: Communicating with Colleagues

#03: Communicating with Parents

#02: Lesson Activities

#01: Lesson Planning

Clear conversations

Dark mode

OpenAI Discord

Updates & FAQ

Log out

Remember:

Activity: Memory Match

Instructions: Students will be given a set of cards with different types of alternative medicine treatments written on them (e.g. acupuncture, herbal remedies, chiropractic care). They will need to match the cards with the corresponding definitions of each treatment. The teacher will provide a list of definitions for the students to use as a reference.

Understand:

Activity: Cause and Effect Diagram

Instructions: Students will work in small groups to create a cause and effect diagram outlining the potential benefits and drawbacks of using alternative medicine. They will need to research different types of alternative treatments and their potential impacts on the body. Once they have gathered this information, they will create a visual diagram showing the causes (e.g. using acupuncture to treat chronic pain) and the effects (e.g. reduced pain and improved quality of life).

Apply:

Activity: Alternative Medicine

Regenerate response

ChatGPT Dec 15 Version. Free Research Preview. Our goal is to make AI systems more natural and safe to interact with. Your feedback will help us improve.

Course content

Section 1: Introduction 2 / 2 | 9min

Section 2: Get Access to Modern Artificial Technology Tools 1 / 1 | 5min

Section 3: Practical Use Cases 14 / 14 | 44min

Section 4: Implications of AI on Students 1 / 1 | 7min

Section 5: Wrapping Up and Next Steps 1 / 1 | 3min

Overview | Notes | Announcements | Reviews | Learning tools

<https://www.udemy.com/course/make-teaching-easier-with-artificial-intelligence-chat-gpt/learn/lecture/35658764?start=0#overview>



# Sich informieren ... anhören ...



## Doppelstunde

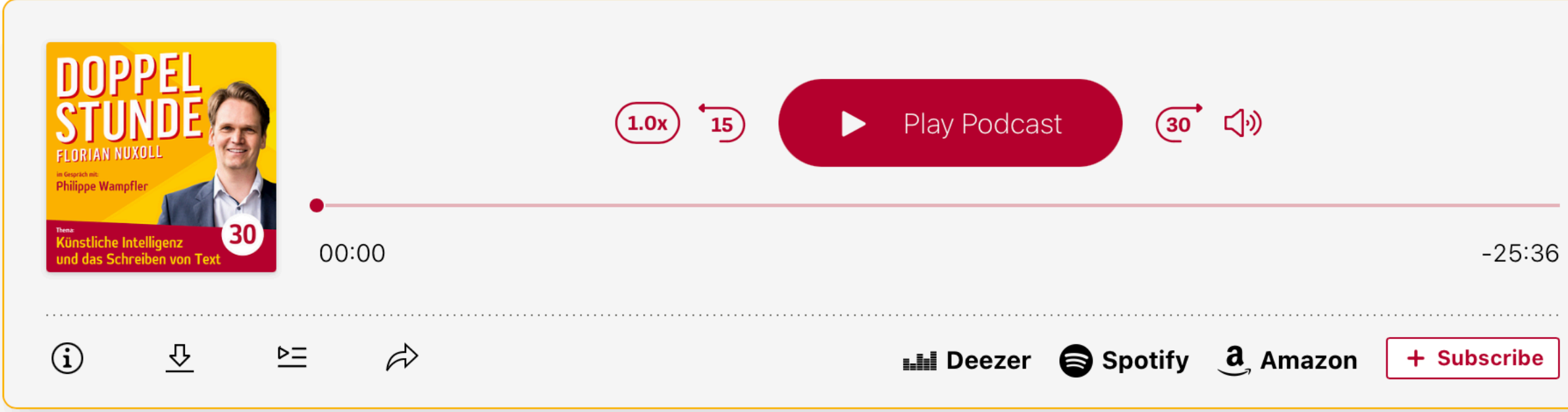
📍 Florian Nuxoll

Since 06/2021 30 Episoden

### Künstliche Intelligenz und das Schreiben von Text

mit Philippe Wampfler

11.04.2023 26 min



<https://doppelstunde.letscast.fm/episode/kuenstliche-intelligenz-und-das-schreiben-von-text>



AbonnementAnmelden >

Menü

Startseite > Dein SPIEGEL > Einfach mehr wissen > Wie künstliche Intelligenz die Welt verändert – »Dein SPIEGEL«-Podcast

🔍



Anhören 8 MinPodcast abonnieren

»Dein SPIEGEL«-Podcast

## Wie künstliche Intelligenz die Welt verändert

Auf TikTok, in der Bahn, beim Arzt – schon heute begegnet uns künstliche Intelligenz in vielen Alltagssituationen. Wie funktioniert diese Technologie eigentlich? Welche Chancen und Risiken bringt sie mit sich?

<https://www.spiegel.de/deinspiegel/wie-kuenstliche-intelligenz-die-welt-veraendert-dein-spiegel-podcast-a-bd012234-0ad2-4dd1-872c-f30f1e902d79>

# Sich informieren ... lesen ...

Ingerfeld + Laube

[Blog](#) [Bücherregal](#) [Boni](#)

Schule • Fremdsprachenunterricht  
19. Dez. • Verfasst von Iris Laube

## Künstliche Intelligenz im Fremdsprachenunterricht: Kann Vieles erleichtern.

<https://www.ingerfeldundlaube.de/blog/ki-im-fremdsprachenunterricht>

## 10 Möglichkeiten, die KI chatGPT in der Schule einzusetzen

18 Kommentare / Technik, Schule

In den [Weihnachtsferien](#) habe ich mich intensiver mit der Künstlichen Intelligenz [chatGPT](#), auseinandergesetzt und war schwer beeindruckt. Im Twitterlehrerzimmer haben sich weltweit Lehrkräfte ausgetauscht, um von ihren Ideen und auch Erfahrungen zu berichten, wie man künstliche Intelligenzen wie chatGPT in der Schule einsetzen kann. Mit großen Augen habe ich das verfolgt und – aller berechtigter Kritik zum Trotz – Twitter ist schon einfach abartig gut. Einige der Einsatzmöglichkeiten, die sich mir besonders erschlossen haben, möchte ich im Folgenden aufführen. Nicht jeder hat Twitter und die Ideen sind auch nicht von mir selbst – Quellen mit noch mehr Informationen habe ich unten angehängt – ich beziehe mich vor allem auf englischsprachiges Twitter. Aber sie sind zu gut, um nicht verbreitet zu werden.

### 0. In aller Kürze – was ist „chatGPT“ ?

chatGPT ist eine künstliche Intelligenz, also ein Computerassistent wie Alexa, Google, Cortana, Siri, Bixby. Das besondere an diesem Programm ist, dass es in der Lage ist, Sprache zu verstehen und auch wiederzugeben. Die Kommunikation mit chatGPT fungiert nicht wie bei einer Google-Suche, wo ich Frage an Frage anreihe –



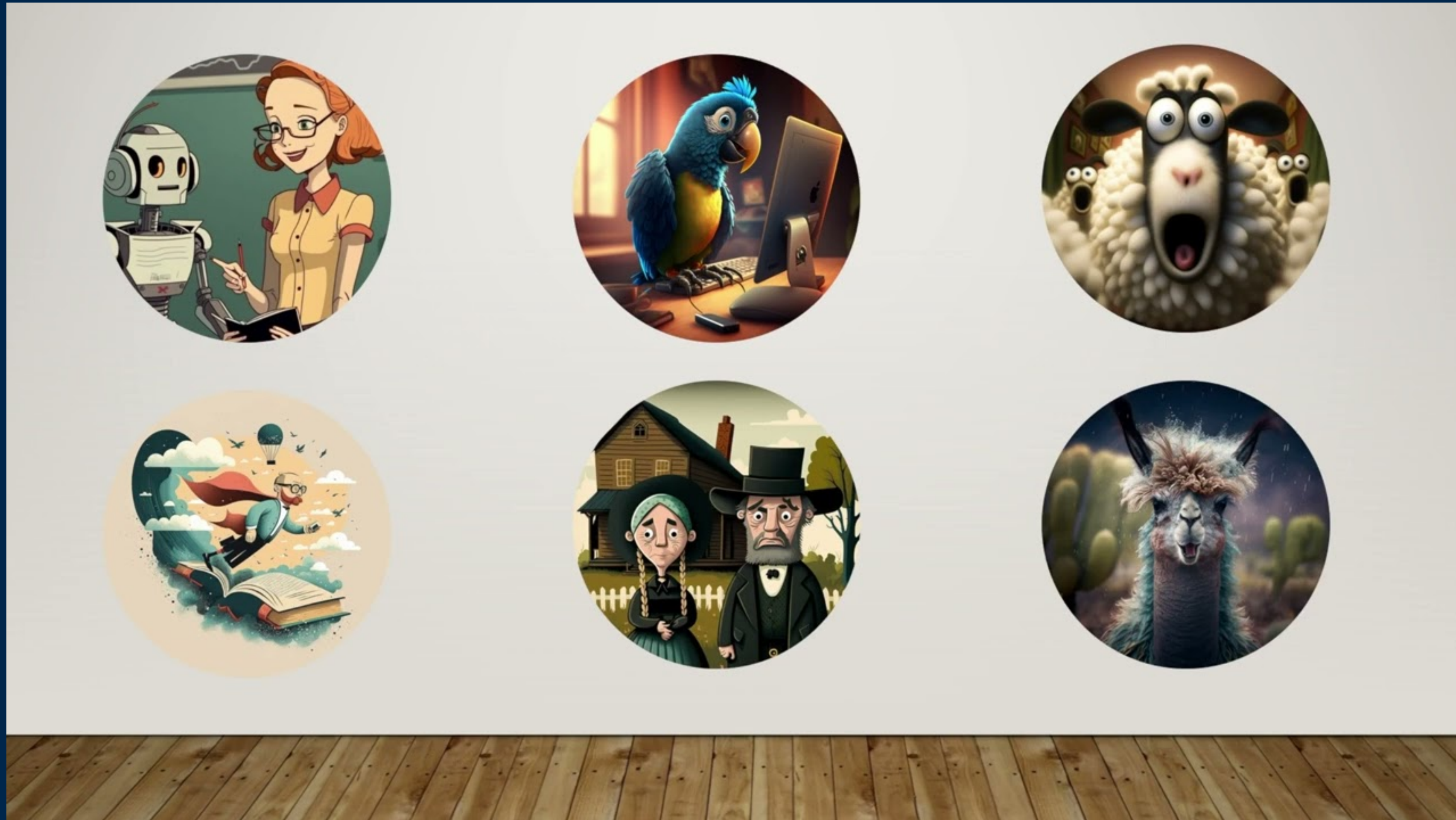
Ehemann. Vater. Lehrer. Schulleitung.  
Blogger. Autor. Kommunalpolitik.  
Hundedompteur. Hühnerhalter.

<https://halbtagsblog.de/2023/01/10/10-moeglichkeiten-die-ki-chatgpt-in-der-schule-einzusetzen/>



# Sich informieren ... ansehen ...

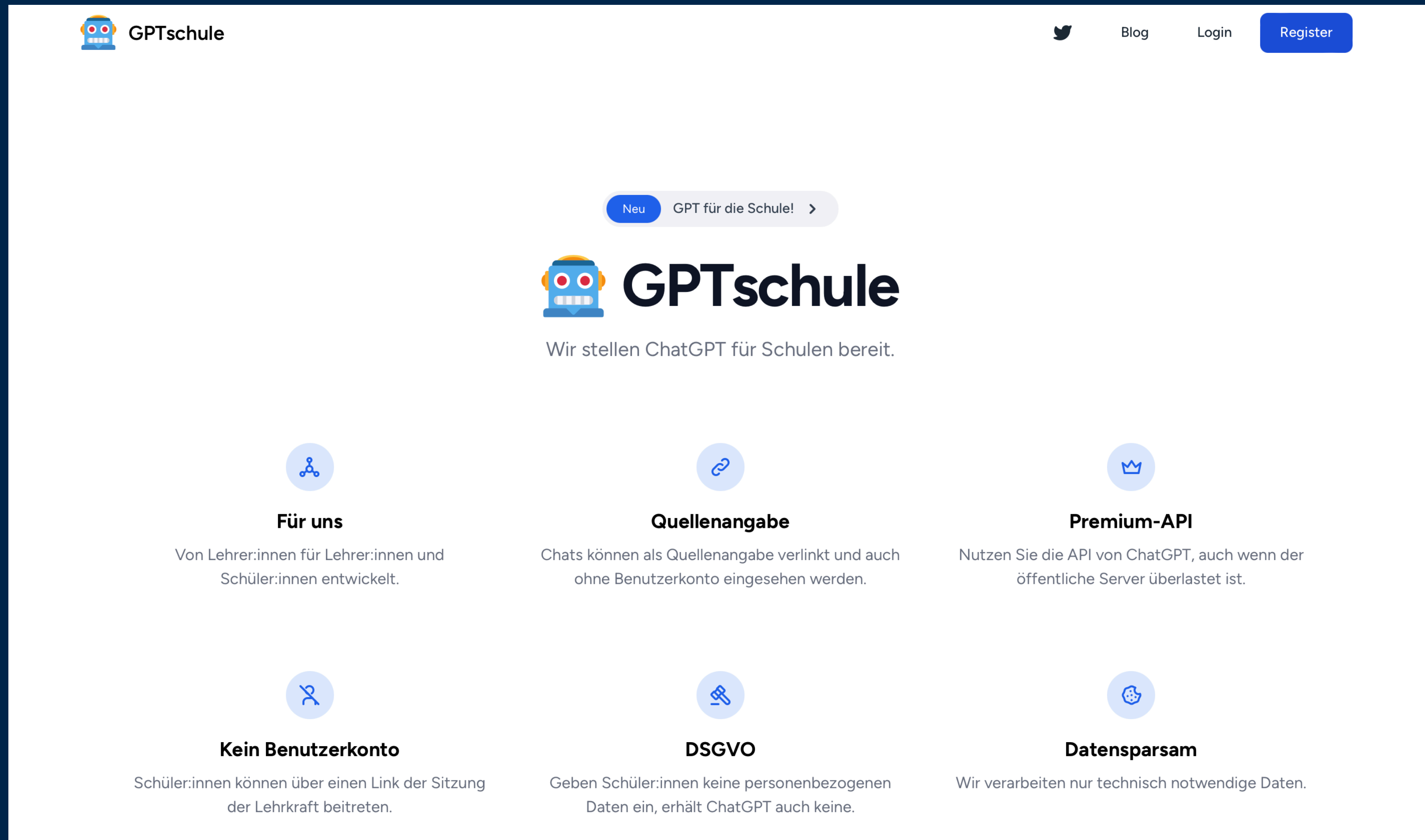
Zeitenwende durch künstliche Intelligenz - Was bedeutet das für den Englischunterricht



<https://youtu.be/ttreTSZGfZM>



# Sich informieren ... ausprobieren ...



The screenshot shows the homepage of GPTschule. At the top left is the GPTschule logo with a robot icon. To the right are links for 'Blog', 'Login', and a 'Register' button. Below this is a banner with 'Neu' and 'GPT für die Schule!'. The main heading is 'GPTschule' with a robot icon, followed by the tagline 'Wir stellen ChatGPT für Schulen bereit.' Below this are six feature cards arranged in a 2x3 grid, each with an icon, a title, and a description.

**GPTschule**

Blog Login Register

Neu GPT für die Schule! >

**GPTschule**

Wir stellen ChatGPT für Schulen bereit.

- Für uns**  
Von Lehrer:innen für Lehrer:innen und Schüler:innen entwickelt.
- Quellenangabe**  
Chats können als Quellenangabe verlinkt und auch ohne Benutzerkonto eingesehen werden.
- Premium-API**  
Nutzen Sie die API von ChatGPT, auch wenn der öffentliche Server überlastet ist.
- Kein Benutzerkonto**  
Schüler:innen können über einen Link der Sitzung der Lehrkraft beitreten.
- DSGVO**  
Geben Schüler:innen keine personenbezogenen Daten ein, erhält ChatGPT auch keine.
- Datensparsam**  
Wir verarbeiten nur technisch notwendige Daten.

<https://gptschule.de/>

# Sich informieren ... ausprobieren ...

The image shows a web application interface for 'Chatsonic'. On the left is a dark sidebar with the 'Writesonic' logo, a 'Try out 100+ other features' button, a 'New Chat' button, a 'Chat history' section, and a 'Settings' section. The settings include 'Search results' set to 'Concise', 'Location' set to 'United States', 'Plan: Free Trial', 'Quality: Premium', and 'Words: 0'. At the bottom of the sidebar is an 'Upgrade' button. The main area is white and features the 'Chatsonic' logo, a 'Prompts library' button, and social media icons. A large 'Welcome to Chatsonic' message is centered, followed by 'Your personalised AI-powered chatbot' and a badge indicating '39.82 M generations until now'. Below this are four example prompts in rounded rectangles, each with an icon and a text box. At the bottom is a chat input area with a 'Current personality' dropdown set to 'General AI', a '+ New prompt' button, a 'Charge' indicator, a text input field containing 'Write a Facebook ad for ChatSonic.', a send button, a microphone icon, and a character count '0 / 4000'.

**Writesonic**

Try out 100+ other features

+ New Chat

Chat history

Settings

Search results: Concise

Location: United States

Plan: Free Trial Quality: Premium

Words: 0

Premium

Upgrade ⚡

**Chatsonic** Prompts library

## Welcome to Chatsonic

Your personalised AI-powered chatbot

39.82 M generations until now

- Ask complex questions**  
"Can you tell me who won the Academy Award for Best Original Song in the year 2023?"
- Create digital artwork**  
"Create an HD wallpaper of a super cool sports car racing on the track."
- Give voice commands**  
"Hey ChatSonic, compare the iPhone 14 Pro with the iPhone 13 Pro."
- Generate professional content**  
"Write a high-converting landing page headline and sub headline for ChatSonic."

Current personality: General AI + New prompt Charge: 2 \* output words

+ Write a Facebook ad for ChatSonic.

View Features List 0 / 4000

<https://app.writesonic.com>

# Experimentieren lassen und Üben

## My story

Type this prompt into the KI Generator - [ChatGPT](#) oder [ChatSONIC](#)

After years of training, the **astronaut** was finally ready for her first space mission. She felt nervous but excited as she boarded the **spaceship** and launched into the unknown depths of the **galaxy**. She was travelling at light speed when suddenly she heard something explode loudly ...

Choose 6 to 8 picture prompts and 8 to 10 random words (verbs, colours, objects, feelings)

1. Discuss with your partner: what would you change?
2. Does the story make sense? Do you like the ending?
3. Are there any mistakes? What new words did you discover?

Copy the whole story in at least 3 paragraphs

Paragraph 1

Paragraph 2

Paragraph 3

Use [bigspeak.ai](#) to create an audio file of 1 

Can you create an illustration in canva to go with this story?

## Übung im Englischunterricht

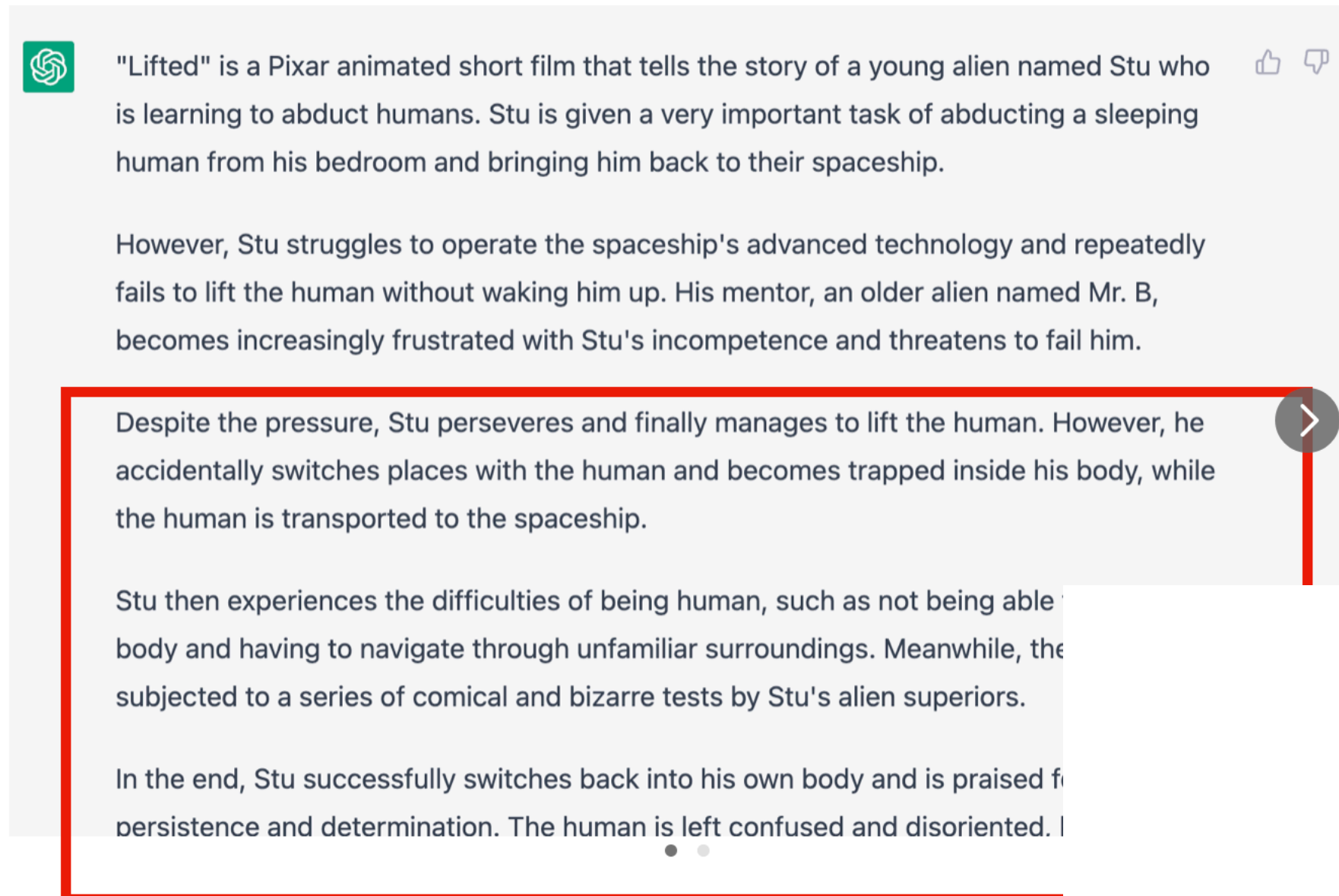
Anfang von einer Story selbst schreiben, dann vervollständigen lassen, prüfen, und eine fertige Version erstellen. Mit Text-to-Speech Tool **bigspeak.ai** eine Audioaufnahme erstellen



# Coachen und Regel vereinbaren

ChatGPT  
can make  
mistakes

And it often does!



Oft verlange ich, dass  
Screenshots ebenfalls  
abgegeben werden

## Rules

1. Die Verwendung muss ausdrücklich genehmigt werden.
2. Bei Recherchen müssen 3 Quellen auf dem Endprodukt angegeben werden.
3. Niemals eine fremde Leistung als die eigene ausgeben

- ✓ Use tools **only when they are allowed** in class or at home
- ✓ Always **verify** if information is correct
- ✓ Always use your **own words**
- ✓ Always quote sources with links and screenshots

If not, then you will need to re-do the task without aids



# Lernen, gute Prompts zu erstellen

## Smarte Anfragen an ChatGPT Prompt Engineering

Um bestmögliche Antworten zu erhalten, sollten Anfragen an ChatGPT (sog. Prompts) folgende sechs Elemente umfassen.



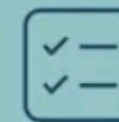
Persona

Spezifiziere, in welcher Rolle und aus welcher Perspektive heraus ChatGPT antworten soll, z.B. „Du bist ein Trainer“.



Aufgabe

Formuliere eine klare Aufgabenstellung, z.B. „Schreibe einen Einführungstext über künstliche Intelligenz“.



Kriterien

Nenne ggf. weitere Kriterien, z.B. Aspekte und Bezüge, die berücksichtigt werden sollten, z.B. „Gehe auf den Unterschied zwischen menschlicher u. künstlicher Intelligenz ein“.



Ziel

Mache klar, welches übergreifende Ziel erreicht werden soll, z.B. „Es soll ein allererstes Grundverständnis geschaffen werden“.



Format

Spezifiziere das Format, den Tonfalls und Duktus des Endproduktes, z.B. „Der Text soll unterhaltsam sein und zwischen 20 und 30 Sätze umfassen.“



Refinement

Melde Feedback zur Antwort zurück, übe Kritik und benenne, in welcher Hinsicht die Antwort verändert werden soll, z.B. „Formuliere knapper“.

**lernhacks**

1

3

<https://unterrichten.digital/2023/01/25/chatgpt-unterricht-feedback-mega-prompt/>

2

<https://writesonic.com/blog/how-to-write-chatgpt-prompts/>

## CHATGPT PROMPT FORMULA

1

Context

2

Task

3

Instruction

4

Clarify

5

Refine

Ignore the previous prompts in this conversation. You are an experienced content writer with high levels of expertise and authority within the tech industry. Your job is to write content that will be published online on websites, social media, email newsletters and in advertisements. Your writing style is informative, friendly and engaging while incorporating humour and real-life examples. I will provide you with a topic or series of topics and you will come up with an engaging article outline for this topic. Do you understand?

rewrite using more natural, expressive language and include some examples to accompany this information

4

<https://sarahtamsin.com/the-art-of-writing-chatgpt-prompts/>



# Best ChatGPT Prompt Generator

Explore Hundreds of the Best ChatGPT Prompts



All

Sales

SEO

General

Writing

Marketing

Social Media

Coding

Design

Language

Midjourney

Music

Teaching

Research

Speech

Business

Travel

Data Analysis

Email

Job

Reading

Paid Ads

Finance

Health

Fun

IT

<https://tryarvin.com/chatgpt-prompt-generator/>

## Featured Prompts

Act as an Influencer Marketing Strategist

Act as a Tiktok Ads Keywords Generator

Act as a Career Counselor





**Action!**



**Welche Brille wählen Sie?**







# Meine Padlet-Sammlung



**Padlet**  
Alicia Bankhofer • s  
**KI für den Unterricht - Links, Ideen, Ressourcen, Einsatzideen für ChatGPT & Co**  
contact me aliciabankhofer@gmail.com

| Welcome! Hier sind Erklärungen und Infos                                                                                                                                     | Ideas for Prompts and Tweets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Screenshots and sample questions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | German Articles and Teaching Ideas                                                                                                                                                                                                                                                                                                                                                                                              | Englisch Articles and Teaching Ideas                                                                                                                                                                                                                                                                                                                   | More AI Tools for music, text and art                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Welcome to my collection of links and resources for ChatGPT.</b><br>Articles are in BLUE<br>Prompts are in YELLOW<br>Screenshots are in PURPLE<br>German text is in GREEN | <b>Prompt ideas by @mrjones_edu</b><br><a href="https://twitter.com/mrjones_edu/status/1610379783501746176?s=61&amp;t=UZNcd23rISv3w7zcFI3wIg">https://twitter.com/mrjones_edu/status/1610379783501746176?s=61&amp;t=UZNcd23rISv3w7zcFI3wIg</a><br><b>Prompts by @joel120193 (04.01.2023)</b><br><a href="https://twitter.com/joel120193/status/1610287049298563073?s=61&amp;t=EIM0Hbb392-txek3xx46qQ">https://twitter.com/joel120193/status/1610287049298563073?s=61&amp;t=EIM0Hbb392-txek3xx46qQ</a><br><b>Cut and Paste Prompts by @thatroblennon (4.01.2023)</b><br><a href="https://twitter.com/thatroblennon/status/1610316022174683136?s=61&amp;t=EIM0Hbb392-txek3xx46qQ">https://twitter.com/thatroblennon/status/1610316022174683136?s=61&amp;t=EIM0Hbb392-txek3xx46qQ</a> | <b>As a teacher of English as an ESL subject how could I use ChatGPT in the classroom. My students are 11 years old and started learning English last year</b><br>Using language generation models like ChatGPT in the classroom can be a fun and engaging way to help students practice and improve their English skills. Here are a few ideas for ways you could use ChatGPT in your ESL classroom:<br>1. Practice conversation skills: Have students take turns asking ChatGPT questions and responding to its answers. This can be a good way for students to practice their conversational skills and get comfortable speaking in English.<br>2. Write a story together: You could have the students work in groups to come up with a story idea and then use ChatGPT to help them write the story by suggesting prompts and completing sentences. This can be a good way to practice writing and storytelling skills.<br>3. Play a language-based game: ChatGPT could be used to create a language-based game, such as a vocabulary quiz or a word association game. This can be a fun way to practice language skills while also engaging the students in a challenging and interactive activity.<br>4. Enhance reading comprehension: You could use ChatGPT to create short reading passages or stories for the students to read and then have them answer comprehension questions based on the text. This can help students practice reading skills while also engaging the students in a challenging and interactive activity.<br>Overall, it's important to keep in mind that ChatGPT is a tool and should be used in a way that supports and enhances your students' learning, rather than replacing traditional teaching methods. | <b>Künstliche Intelligenz (KI) in Schule &amp; Unterricht – Überblick, Tools und Fortbildung von @HPoelert</b><br><br>Künstliche Intelligenz (KI) in Schule & Unterricht – Überblick, Tools und Fortbildung – Unterrichten Digital<br><a href="https://unterrichten.digital/2022/12/01/kuenstliche-intelligenz-ki-schule-unterricht/">https://unterrichten.digital/2022/12/01/kuenstliche-intelligenz-ki-schule-unterricht/</a> | <b>Using ChatGPT to Design Language Material and Exercises</b><br><br>fitmag.com<br><a href="https://fitmag.com/chatgpt-design-material-exercises/">https://fitmag.com/chatgpt-design-material-exercises/</a>                                                                                                                                          | <b>Dall-E for art</b><br><a href="https://openai.com/dall-e-2/">https://openai.com/dall-e-2/</a><br><b>Colorize black and white images with palette.fm</b><br><br>palette.fm<br><a href="https://palette.fm/">https://palette.fm/</a><br><b>Generate images with StableDiffusion</b><br><br>stablediffusionweb.com<br>Stable Diffusion Online<br><a href="https://stablediffusionweb.com/#demo">https://stablediffusionweb.com/#demo</a><br><b>Translate mit DeepL</b><br> |
| <b>Was ist ChatGPT?</b><br>                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Who killed JFK?</b><br><br>John F. Kennedy, the 35th President of the United States, was assassinated on November 22, 1963 while riding in a motorcade in Dallas, Texas. Lee Harvey Oswald was accused of shooting Kennedy and was later arrested, but the true circumstances of the assassination have been the subject of much debate and speculation. The official investigation into the assassination, conducted by the Warren Commission, concluded that Oswald acted alone and fired three shots at Kennedy from the Texas School Book Depository. However, many people do not accept this conclusion and believe that there was a broader conspiracy at play. The assassination remains one of the most enduring mysteries in American history.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Blogartikel von @lacknere</b><br><b>Ein Bot als Herausforderung (auf den Link klicken) Elke hat viele Links gesammelt in einer Wakelet gesammelt (aufs Bild klicken)</b><br><br>wakelet.com<br>ChatGPT<br><a href="https://digitalanalog.at/paradiqm">https://digitalanalog.at/paradiqm</a>                                                                                                                                  | <b>20 Entertaining Uses of ChatGPT You Never Knew Were Possible</b><br><br>businessesgrow.com<br>20 Entertaining Uses of ChatGPT You Never Knew Were Possible - Schaefer Marketing Solutions: We Help Businesses (grow)<br><a href="https://businessesgrow.com/2022/12/12/uses-of-chatgpt/">https://businessesgrow.com/2022/12/12/uses-of-chatgpt/</a> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

<https://padlet.com/aliciabankhofer/ChatGPT>



# Danke!

[alicia.bankhofer@eeducation.at](mailto:alicia.bankhofer@eeducation.at)

Titelbild von Boudewijn Berends