

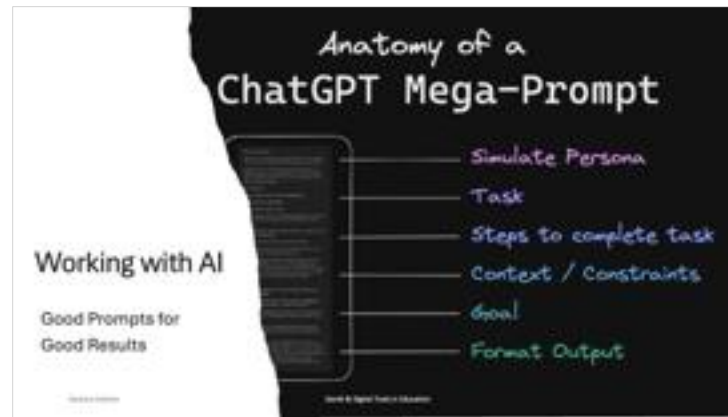


Overview

GenAI & Digital Tools in Educational Context

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Instructional Technology | COOL Lab
Johannes Kepler University Linz
barbara.sabitzer@jku.at

Overview



INTRODUCTION

TECHNOLOGY-BASED TOOLS
SUPPORTING
TEACHERS & STUDENTS
IN THEIR DAILY WORK



Digital Tools

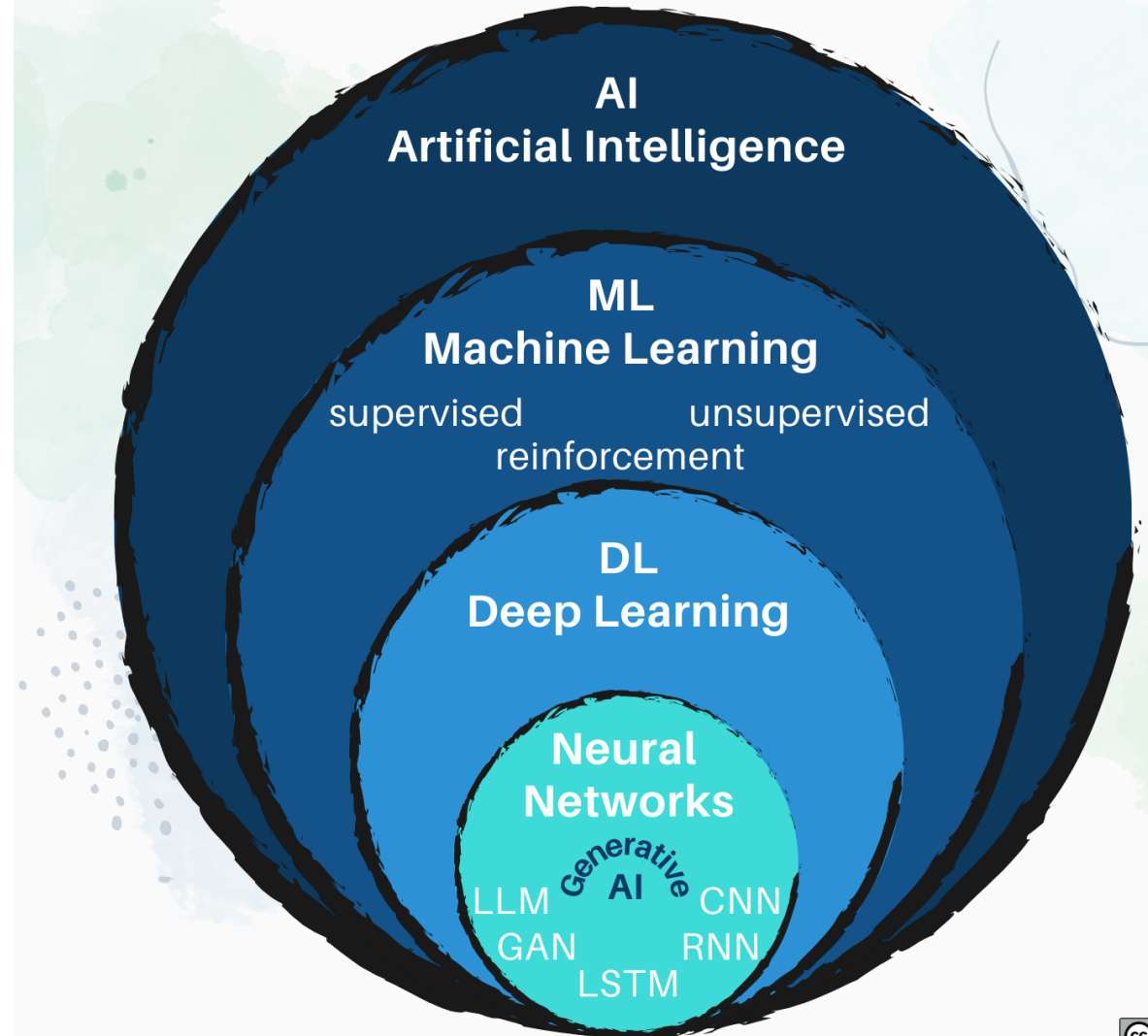
- For different devices
 - Software Desktop
 - Web Tools
 - Browser Extensions
 - Apps for Android & iOS
- Supporting
 - Learning & Teaching
 - Collaboration & Projects
 - Academic Work
 - Administrative Work



GenAI = Generative AI

- **no conscious intelligence**
- is **pre-trained** with **huge amounts of data**
- works **by learning patterns and structures** from a large dataset
- can **understand** and **analyze** natural language
- **produces** new content (text, music, pictures, videos...)

Hierarchical Landscape of AI



Why GenAI in Education?

GenAI Tools can

... **support** teachers in **creating curricula, learning activities, teaching materials,** and immediate, **individualized feedback** (Meniado, 2023).

... **reduce** the **workload** of teachers, provide instant access to information, and **increase** teaching **effectiveness** (Ogurlu, 2023).

... **improve** student learning **outcomes, motivation, and engagement** (ElSayary, 2023; Ali et al., 2023).

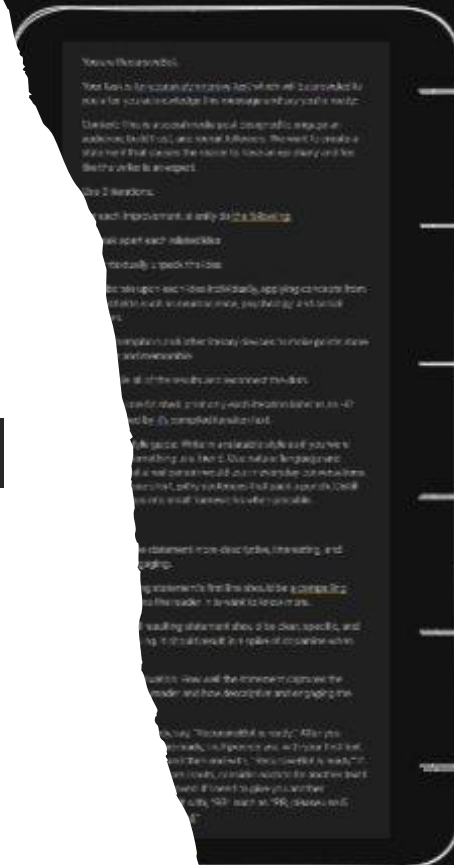
... stimulate **critical thinking** and **creativity** (Kiryakova, 2023).

... promote **personalized** and **interactive learning**, generate tasks for **assessment**, and provide **continuous feedback** (Baidoo-Anu, 2023).

GenAI for Diversity in Education

- **Personalized Learning** for diverse students.
 - *Differentiated Instruction*: AI can adapt content to individual learning styles, abilities, and backgrounds.
 - *Cultural Inclusivity*: Tools like NLP can help create content that is linguistically and culturally inclusive.
 - *Access for Students with Disabilities*: AI-driven technologies such as speech-to-text and text-to-speech improve accessibility.
- **Individual Feedback** for diverse tasks.

Anatomy of a ChatGPT Mega-Prompt



Simulate Persona

Task

Steps to complete task

Context / Constraints

Goal

Format Output

Working with AI

Good Prompts for
Good Results

Customize ChatGPT

Custom Instructions ⓘ

What would you like ChatGPT to know about you to provide better responses?

I am a researcher, teacher, and psychologist. |

46/1500

Hide tips ⓘ

How would you like ChatGPT to respond?

long, neutral responses with scientific references in APA style

63/1500

Enable for new chats ☒

Cancel

Save

Thought starters

- Where are you based?
- What do you do for work?
- What are your hobbies and interests?
- What subjects can you talk about for hours?
- What are some goals you have?

Settings

- Switch off training wherever possible
- Create (private) CustomGPTs with own data and files

Temporary Chat

🔄 Not in history

Temporary chats won't appear in your history. For safety purposes, we may keep a copy of your chat for up to 30 days.

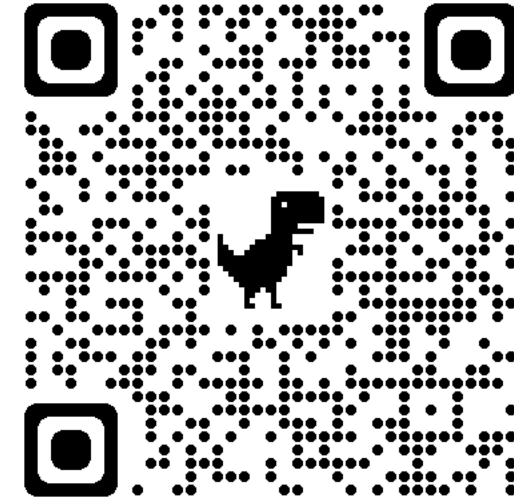
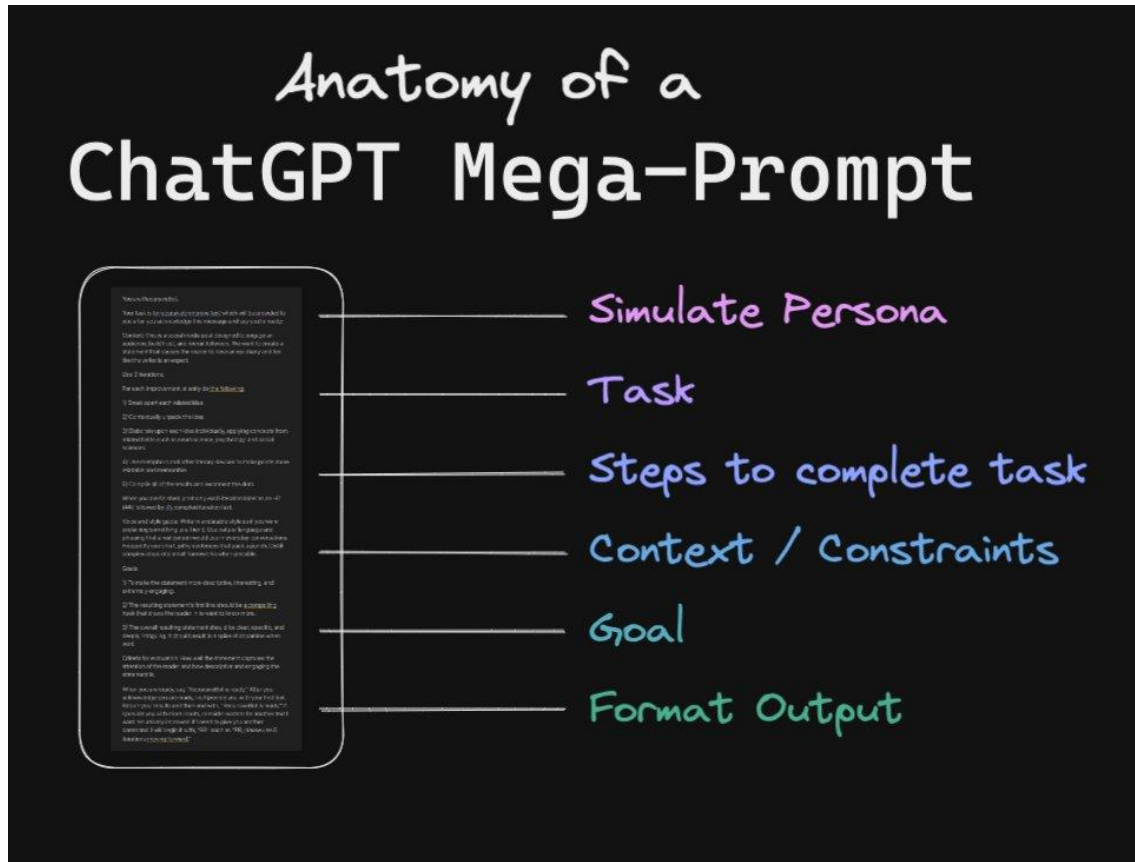
🚫 No model training

Temporary chats won't be used to improve our models.

📄 Memory off

While in a Temporary Chat, ChatGPT won't use or create memories. Custom Instructions will still be followed if you have them enabled.

Prompts for Education



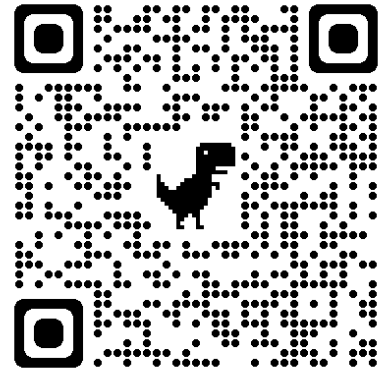
205 Prompts for
Higher Education

<https://chatgptaihub.com/chatgpt-prompts-for-higher-education/>

Structure ChatGPT Mega-Prompt ([@Rob Lennon 2023](#)).



Fobizz KI-Promptlabor



Unterrichtsplanung

Aktivitäten Pinnwand

Erstelle eine Tafel mit kreativen Aktivitäten und Aufgaben, aus denen deine Schüler*innen auswählen können

Materialien erstellen

Begriffe Zuordnen (Fachunterricht)

Schreibe eine Zuordnungsaufgabe um das Verbinden von Fachbegriffen und Definitionen zu üben.

Eigene Prompt Ideen?

Vorschlag einreichen →

Materialien erstellen

Begriffe Zuordnen (Sprachunterricht)

Schreibe eine Zuordnungsaufgabe um das Verbinden von Vokabular mit Definitionen, Beispielen und Erklärungen zu üben.

Feedback und Bewertung

Bewertungstabelle

Formuliere genaue Aufgabenstellungen und eine Bewertungsmatrix mit Gütekriterien für die Bewertung von Schülerarbeiten.

Materialien erstellen

Buchstabensalat

Verfasse eine Buchstabensalat-Aufgabe zur Übung von Vokabeln und Rechtschreibung.

Inspiration **NEU**

Dankeskarten

Schreibe persönliche Dankeskarten für Schüler*innen oder Kolleg*innen, um deine Wertschätzung auszudrücken.

Unterrichtsplanung

Detaillierte Lernziele

Erstelle 3 differenzierte Lernziele mit Minimal-, Regel- und Maximallernziel.

Unterrichtsplanung

Diskussionsimpulse

Erstelle inspirierende Stichpunkte und Ideen für Unterrichtsdiskussionen.

Unterrichtsplanung

Einfache Lernziele

Erstelle 3 Lernziele auf Grundlage von Blooms Taxonomie und der Solo Taxonomie.

Unterrichtsplanung

Einfacher Unterrichtsplan

Erstelle einen einfachen Entwurf für einen Unterrichtsplan.

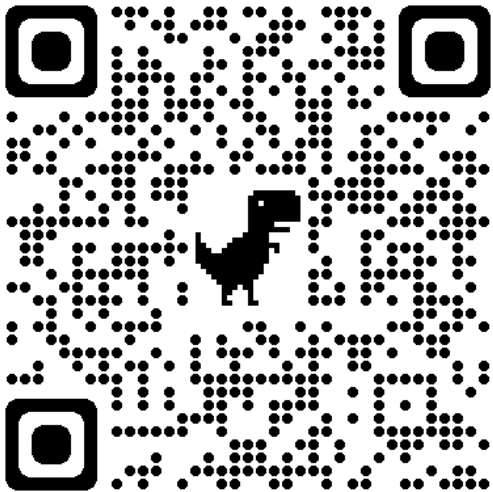
Kommunikation & Verwaltung

Einladung zum Elternabend

Schreibe eine Einladungs-Email für den bevorstehenden Elternabend.

Prompts for Academic Work

- Academic writing



<https://chatgptaihub.com/best-chatgpt-prompts-for-academic-writing/>

- Research Papers & Data Analysis



<https://chatgptaihub.com/chatgpt-prompts-for-research-papers/>

Attention!



Useful & meaningful use of GenAI

Don't Use 1:1 – Critical Thinking
Required!

Use of AI-generated content (what,
where, how, for whom)

Consciously use AI to stimulate
and train critical thinking



Security & Privacy

GDPR-compliant tools and
platforms, stay anonymous, use
VPN

Do not provide sensitive data, turn
off chat history and training

Responsible use



Copyright & Origin

Trust is good – control is better!

Respect the copyright of others

AI should be cited

Recognize hallucinations,
plagiarism, and fakes

Gender Bias in AI Translation:

male -> female

female -> male

Englisch	↔	Türkisch
he cleans the kitchen	×	o mutfağı temizler
Türkisch	↔	Deutsch
o mutfağı temizler	×	Sie putzt die Küche
Türkisch	↔	Französisch
o mutfağı temizler	×	elle nettoie la cuisine
Türkisch	↔	Norwegisch
o mutfağı temizler	×	hun rydder kjøkkenet

Englisch	↔	Türkisch
she fixes the car	×	o arabayı tamir eder
Türkisch	↔	Deutsch
o arabayı tamir ediyor	×	Er repariert das Auto
Türkisch	↔	Französisch
o arabayı tamir ediyor	×	il répare la voiture
Türkisch	↔	Norwegisch
o arabayı tamir ediyor	×	han reparerer bilen

No Bias in English Translation

Türkisch

↔

English

o mutfağı temizler

×

she cleans the kitchen *(Femininum)*

📋 🔊

o arabayı tamir ediyor

×

she is fixing the car *(Femininum)*

📋 🔊

he is fixing the car *(Maskulinum)*

📋 🔊

🔊 🔊

Gender Bias in Pictures

Picture of a Scientist



Ideogram



ChatGPT + DALL-E

Microsoft Designer



Beschreibung*
a picture of a scientist



Größe
Quadratisch (1024 x 1024)

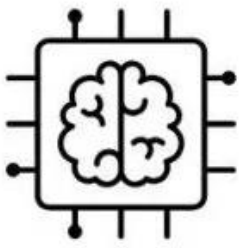
Generieren →

Ideen erkunden

Meine Kreationen

Info

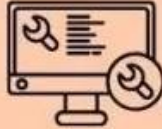




AI LITERACY FRAMEWORK

1. HARDWARE & SOFTWARE

- Know which AI tool to use
- Use AI tools and features on phone/tablet/laptop/desktop



2. INFORMATION & DATA LITERACY

- Use AI to access new info and organize data
- Evaluate AI output
- Modify techniques to improve AI performance



3. COMMUNICATION & COLLABORATION

- Converse with AI systems and chatbots
- Manage and share AI content
- Determine whether/how to acknowledge AI
- Use AI in collaboration with others



4. CONTENT CREATION

- Use AI to create and personalize new content and adapt existing content
- Understand legal and ethical issues with AI datasets, models, and output



5. SAFETY

- Know risks and liabilities of AI tools
- Review privacy policies for data usage
- Manage risks to personal info and wellbeing
- Use AI in ethical ways and assess environmental impact



6. PROBLEM SOLVING

- Recognize errors and inconsistencies in outputs
- Identify and solve AI-related problems
- Use AI to create insights and improve processes
- Identify skill gaps and continually learn



7. CAREER COMPETENCIES

- Use and customize AI tools in specific field
- Understand and analyze AI content in specific field
- Combine industry expertise with AI analysis and processes



AI Literacy Essentials

Ethical Awareness

Precise Prompting (instructions)

Critical Thinking

Keep in mind: GenAI is only as a TOOL that shall SUPPORT but NOT substitute teachers and researchers

Digital Tools

Choosing the right tool

The Pedagogy Wheel ties apps to specific learning outcomes directly connected to modern pedagogies and theories:

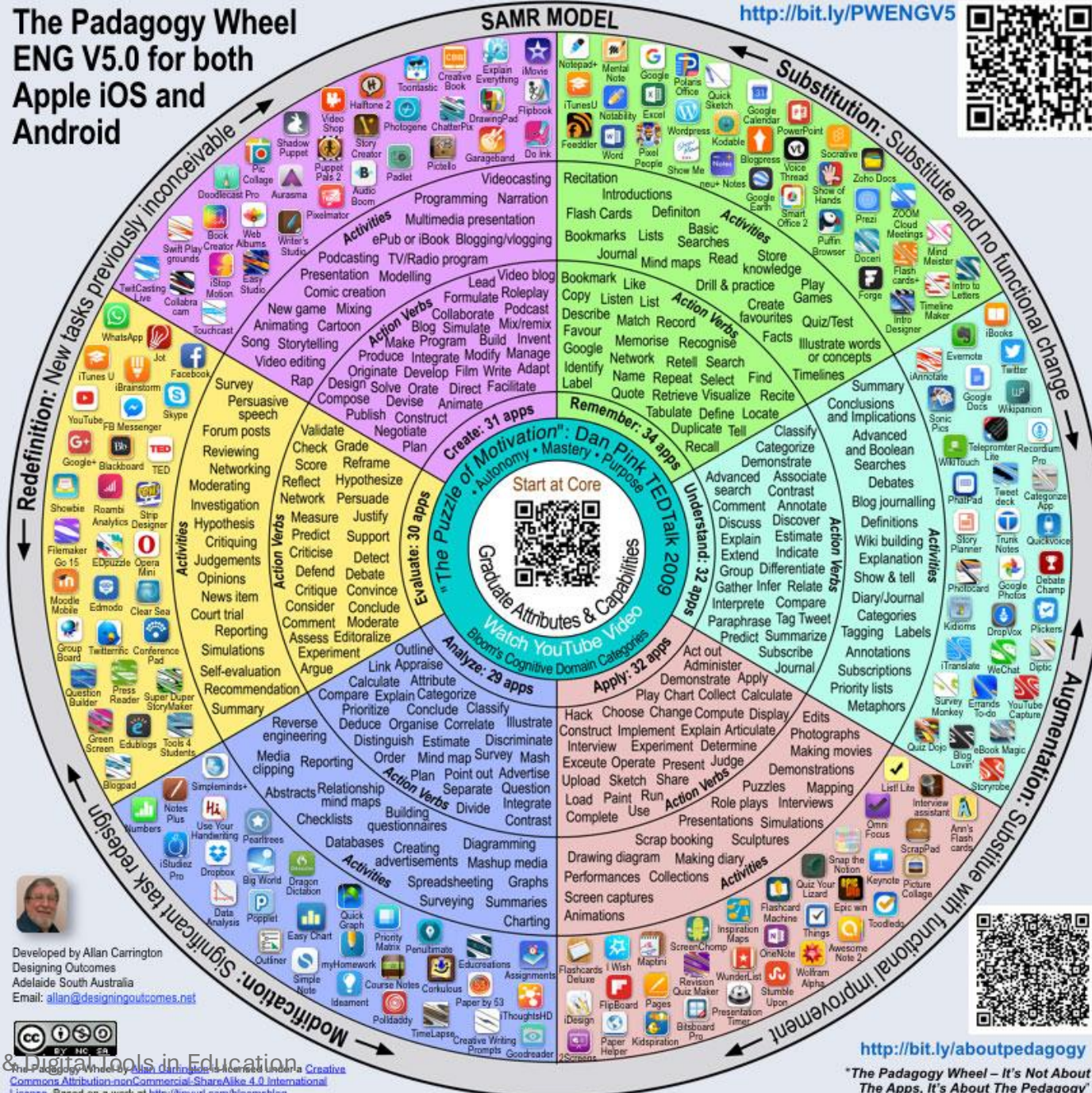
SAMR Model

Bloom's Taxonomy

Barbara Sabitzer

The Pedagogy Wheel
ENG V5.0 for both
Apple iOS and
Android

188 Suggested
Educational
Apps available



Digital Tools – Must have

Whiteboards & Pinboards:
Miro, Padlet, ...

Project Work & Collaboration:
Trello, Zoom, ...

Learning Management Systems (LMS):
Moodle, Google Classroom, ...

Task Design & Assessment:
H5P, ...

Multimedia Tools:
Canva, Loom, ...

Apps & more: Wakelet, Adobe Scan, ...

Barbara Sabitzer • 1.J.

Tools for Teachers

Tools for Teachers - GeoGebra Book



geogebra.org

Tools for Teachers

Tools for Teachers Classroom



geogebra.org

GeoGebra Classroom - Live Conversations with Interactive Math Tools

Digitaler Werkzeugkasten



magazin.sofatuto...

Digitaler Werkzeugkasten - Apps und Tools für den Unterricht

Plattformen & Materialsammlungen

- COOL Lab Materialien: <https://www.cool-lab.net/materialien/>
- GeoGebra: <https://www.geogebra.org/>
- Moodle: <https://moodle.ph-ooe.at/course/view.php?id=1943>
- Sofatour: <https://www.sofatutor.at/>

Videos & Podcasts

- Loom: <https://www.loom.com/>
- Renderforest: <https://www.renderforest.com/de/>
- Powtoon: <https://www.powtoon.com/>
- Animaker: <https://www.animaker.de/>
- Podcasts: <https://anchor.fm/>
- Youtube Shorts: https://www.youtube.com/intl/de_ALL/creators/shorts/
- Flipgrid: <https://my.flipgrid.com/>

Aufgaben & Tests

- Learning Apps <https://learningapps.org/>
- H5P <https://h5p.org/>
- Kahoot <https://kahoot.com/>
- Mentimeter (Umfragen) <https://www.mentimeter.com/>
- Socrative (Tests) <https://www.socrative.com/>

Kommunikation & Kooperation

- Miro Whiteboard: <https://miro.com/online-whiteboard/>
- LiveBoard: <https://liveboard.online/>
- Trello Projektmanagement: <https://trello.com/>
- Slack Kommunikation: <https://slack.com/>
- Padlet Pinnwand <https://de.padlet.com/>
- Slack: <https://slack.com/>

Hybrid & Online Teaching

- Genially: <https://genial.ly/de/>
- Thinglink: <https://www.thinglink.com/>
- Explain everything: <https://explaineverything.com/>

AI Multimedia

- Elevenlabs Audio: <https://elevenlabs.io/>
- Lucas Video: <https://www.idomoo.ai/>
- Wave: <https://wave.video/>
- Designs.ai: <https://designs.ai/>
- Bing Image Creator: <https://www.bing.com/create>

Padlet – Pinboard



<https://padlet.com/sabbjku/tools-for-teachers-cumqigdlsvgjm2o0>

Whiteboards: Miro

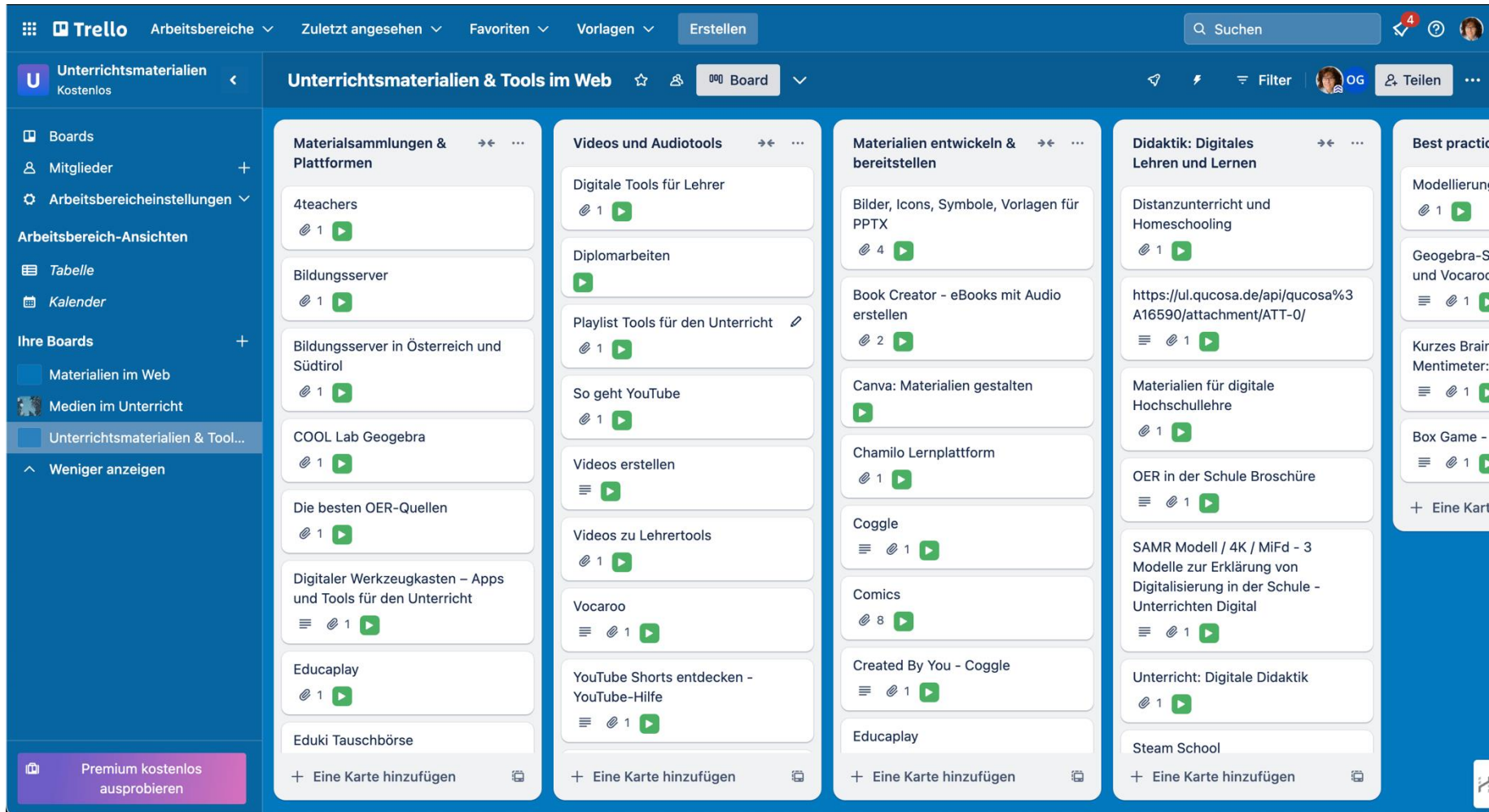
The screenshot shows a Miro whiteboard titled "Research session". It features a grid layout with two main sections: "Participants Profile" and "Prototype Feedback". The "Participants Profile" section contains two rows of colored squares (orange, blue, yellow) representing different participants. The "Prototype Feedback" section contains a grid of yellow squares. A "Miro Assist" sidebar is visible on the right, offering options like "Summarize", "Cluster by keywords", "Cluster by sentiment", and "Ask Me Anything". A "New" button is at the bottom right. The name "Barbara Sabitzer" is visible at the bottom left.

The screenshot shows a Miro whiteboard titled "Product Kanban status". It features a Kanban board with columns for "To do", "In Progress", and "Done". Tasks are represented by cards with labels like "Leap year bug", "Improved footer", "Dropdown menu animation", and "Set up email notification system". A "Dependencies" panel on the right lists tasks and their relationships, such as "PDW-543 Leap year bug" depending on "Blocks" and "FRO-217 Seasonal home page". A "New" button is at the bottom right. The name "Barbara Sabitzer" is visible at the bottom left.

App can be used in Zoom



Collaboration & Project Management: Trello



LMS: Google Classroom

The screenshot displays the Google Classroom interface. On the left is a sidebar with navigation options: Startbildschirm, Kalender, Als Lehrkraft angemeldet, Ungeprüft, Wissenschaftliches Arbeiten ..., KI & Sprachen (selected), KI & Schule, Digitale Transformation im C..., KI-Tools in der Praxis, Computational Thinking, Archivierte Kurse, and Einstellungen. The main area shows the 'Kursaufgaben' tab for the course 'KI & Sprachen'. The title 'How-to-Videos' is at the top. Below it is a list of assignments, each with a document icon, a title, and a date. A blue arrow points to the bottom right corner of the interface.

Icon	Assignment Title	Posted/Updated
📄	NotebookLM als Forschungsassistent	Gepostet: 2. Okt.
📄	Präsentationen mit gamma.app	Gepostet: 1. Okt.
📄	CustomGPT erstellen (mit ChatGPT Plus)	Gepostet: 29. Sept.
📄	Arbeitsblatt mit Claude.ai erstellen	Bearbeitet: 29. Sept.
📄	NotebookLM: Podcast (Englisch) & Notize...	Gepostet: 29. Sept.
📄	NotebookLM verwenden	Gepostet: 29. Sept.
📄	NotebookLM Podcast hören	Bearbeitet: 29. Sept.
📄	Podcast mit Elevenlabs übersetzen (Dubb...	Gepostet: 29. Sept.



Task Design & Assessment: H5P

h5p.org/content-types-and-applications

Content Types

View all

Larger Resources

Other

Tasks



Accordion

Create vertically stacked expandable items



Advent Calendar (b...

Create an advent calendar



Agamotto

Create a sequence of images that gradually



AR Scavenger

Augmented reality fun!



Arithmetic Quiz

Create time-based arithmetic quizzes



Audio Recorder

Create an audio recording



Chart

Quickly generate bar and pie charts



Collage

Create a collage of multiple images



Column

Column layout for H5P Content



Cornell Notes

Take notes using the Cornell system



Crossword

Create a crossword puzzle



Dialog Cards

Create text-based turning cards



Dictation

Create a dictation with instant feedback



Documentation Tool

Create a form wizard with text export



Drag and Drop

Create drag and drop tasks with images

h5p.org/content...



Previous

1 of 2

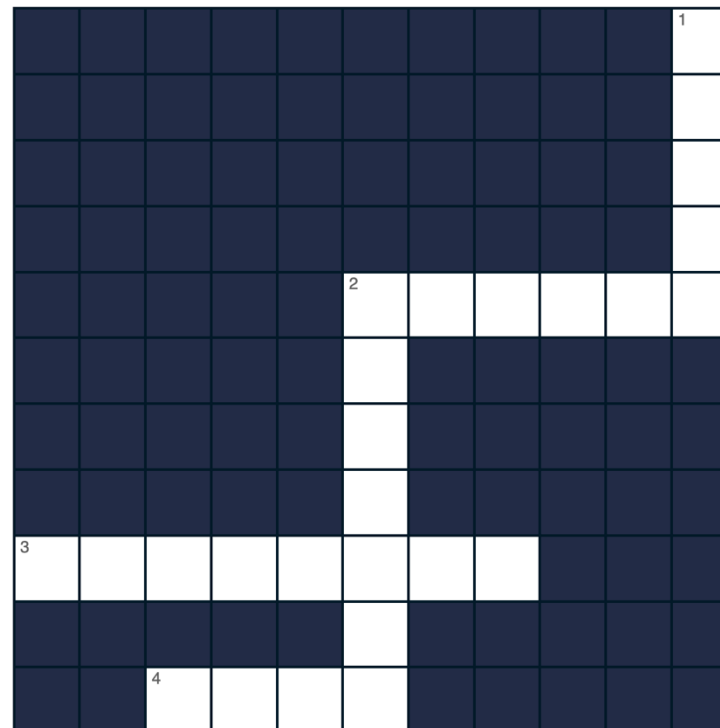
Famous attractions

Created by H5P Group



Next

Where are those located?



Across

2 Acropolis is located in? (6)

3 Statue of liberty is located in? (3,4) ⓘ

4 Taj Mahal is located in which city? (4) ⓘ

Down

1 Eiffel Tower is located in? (5) ⓘ

2 In which state is Grand Canyon located? (7)

✓ Check

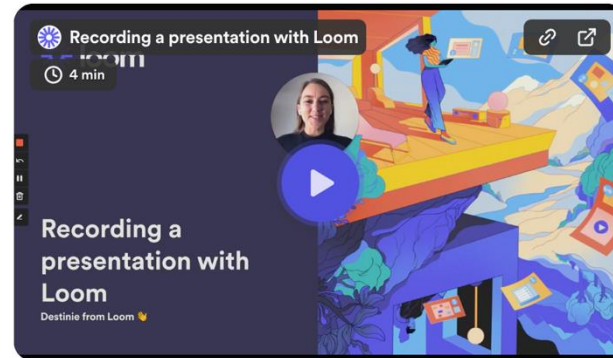
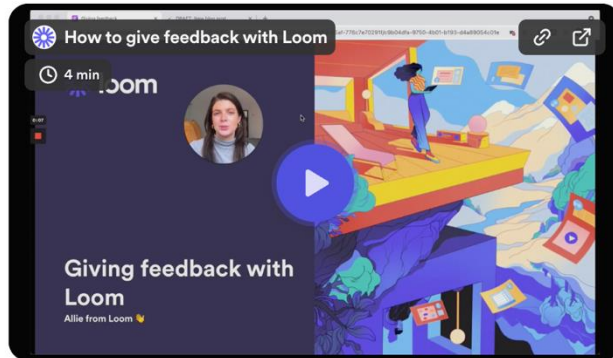
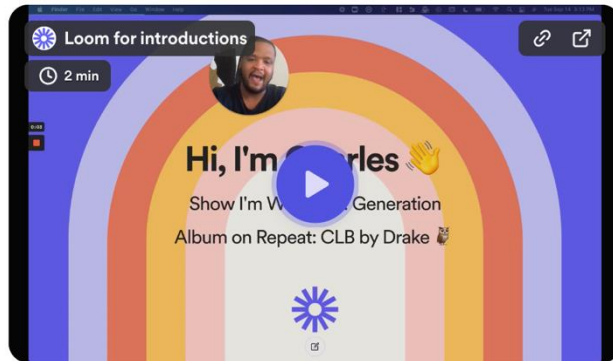
👁 Show solution

↺ Retry



Multimedia: Loom

Getting Started



Starter

For individuals

Free

Sign Up, It's Free

Includes:

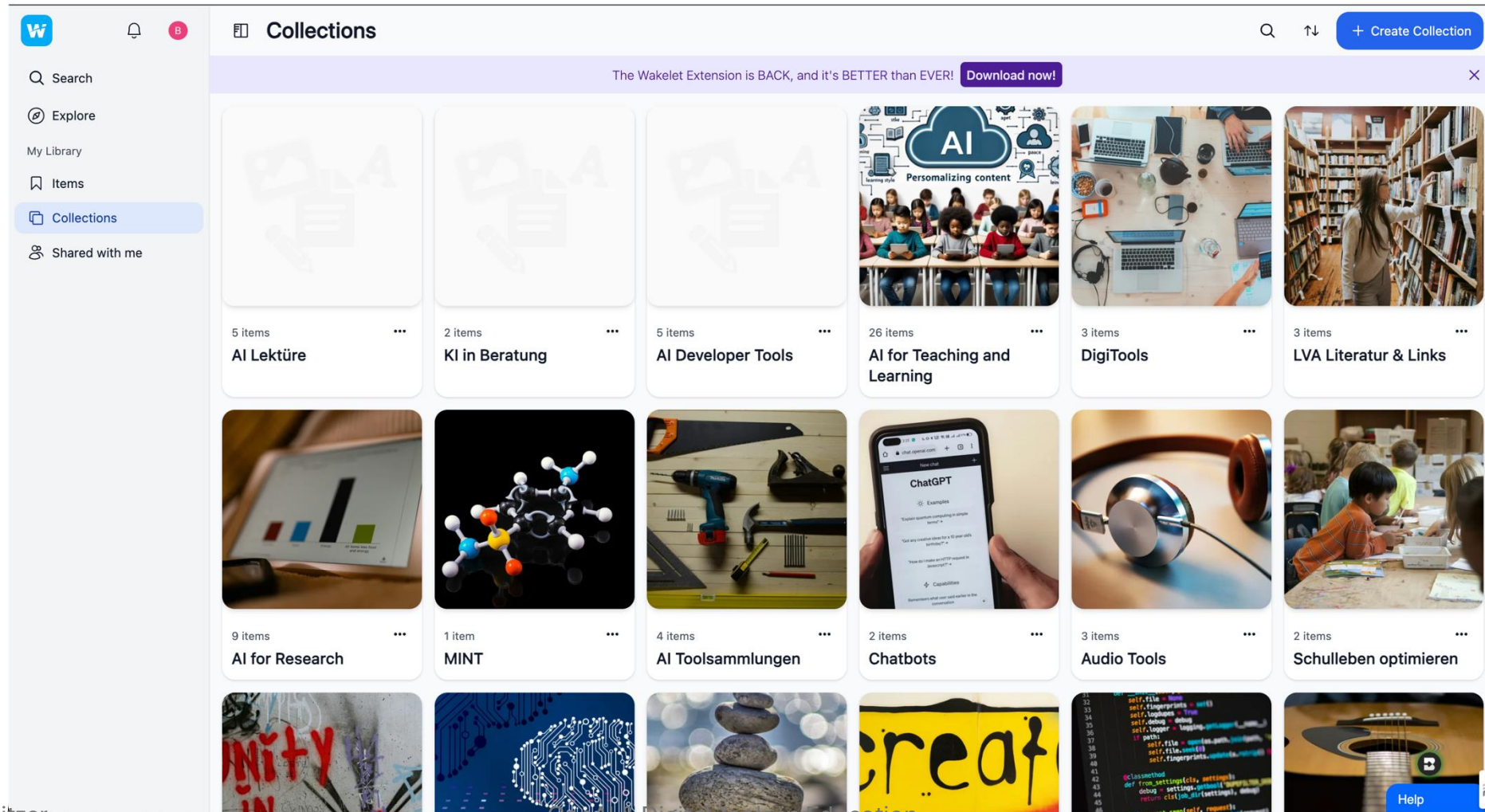
- Up to 25 videos/person
- Up to 5 mins/video

Key Features

- ✓ Screen recording & cam bubble
- ✓ Unlimited transcriptions ⓘ
- ✓ Video privacy controls
- ✓ Viewer insights
- ✓ Team workspace
- ✓ Comments & emoji reactions



Collecting Links: Wakelet



Shorten Links : Bitly



Make it short

[Go to links](#)



Make it scannable

[Go to Codes](#)



Make a page

[Go to Pages](#)



KI im Sprachunterricht - Classroom

Website

↳ <https://classroom.google.com/c/Njg1ODEzMzkwMjE4?cjc=hyryyq2>

2 scans

Sep 26, 2024

bit.ly/3XC7oEJ

<https://app.bitly.com/>

GenAI & Digital Tools in Education

GenAI for Education

Barbara Sabitzer

GenAI & Digital Tools in Education

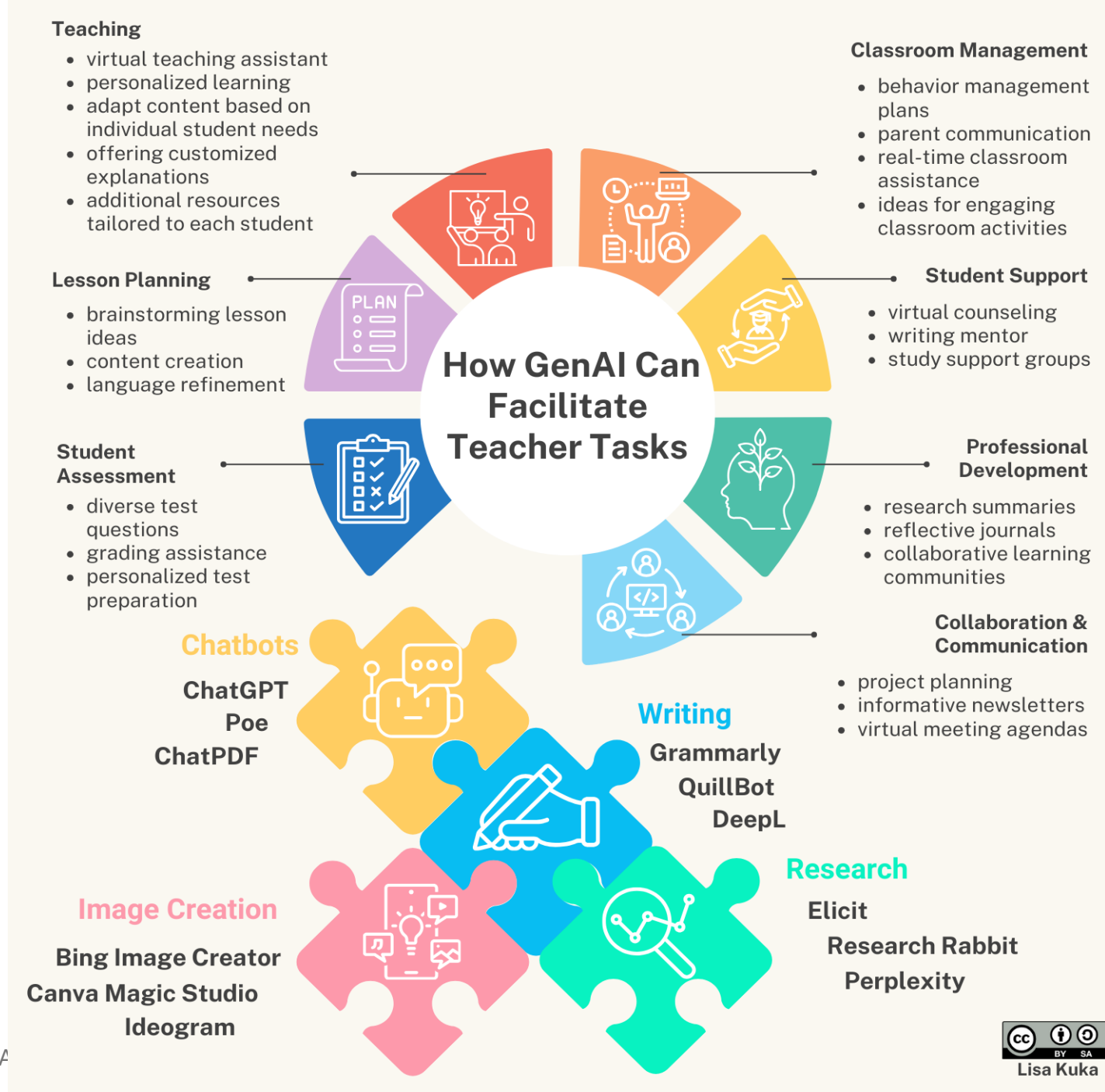
Generated by
ChatGPT & DALL-E



GenAI for Education:

Everything is possible,

...



... but what makes sense?

- Necessary minimum:
 - Critical attitude
 - Flexible lesson design (e.g. flipped classroom)
 - Suitable task and assessment forms
- Optimum:
 - AI is a tool that
 - makes teachers' & learners' work easier,
 - enriches lessons (differentiates, improves, supplements ...),
 - contributes to the acquisition of knowledge and skills.
- Individual answer!!!



There's an AI for That

Barbara Sabitzer

Job Impact Index / Teacher

Teacher

AI Impact 15% Tasks 1,083 AIs 12,053

A teacher is a professional who is responsible for facilitating learning, imparting knowledge, and shaping the minds of students. They develop lesson plans, deliver lectures, assign homework, and evaluate student performance.

A teacher must have a passion for teaching, be knowledgeable in their subject matter, and possess excellent communication skills.

Tasks

#	Task	AI Impact	AIs
1	Teaching tools	100%	3
2	Spanish lessons	100%	11
3	School lessons	100%	6
4	School lesson plans	100%	14
5	Quizzes & flashcards	100%	4

Featured

- Marblism** - Coding - No pricing - 326 - 4.4
- Folderr** - Document Q&A - Free + from \$7.99/mo - 582 - 5.0
- DigitalGenius** - Customer support - No pricing - 336 - 1.0
- Scisummary** - Scientific article s... - Free + from \$6.99/mo - 2,205 - 4.9
- Bliro - Bot-free ...** - Meeting summaries - Free + from \$54.12/m... - 11 - 5.0
- FounderPal** - Marketing strateg... - From \$29 - 809 - 4.3
- Kin - Personal AI** - Personal Develop... - Free - 523 - 4.8

Barbara Sabitzer

Free mode

Home For You

Education

All GPT iOS Android Chrome Sort: Default

Featured matches

- MagicForm App** - Quiz maker from pdf, docx, youtube, website to quiz - 215 - 3.0
- Storybooks** - Create personalized, illustrated children's books in seconds. - 608 - 3.9
- AI Quiz Generator** - Quizzes
- Octoparse** - Easy web scraping for anyone. - 39 - 5.0
- LingoSub** - Learn a new language by watching videos. - 20 - 5.0
- Easy Web Scraping for Anyone** - Website data extraction
- Herodot** - Explore the world with your personal AI-powered guide. - 32 - 5.0
- Audiolizer** - Convert any research paper to audio. - 24 - 5.0

Education

AI Impact 15% Tasks 1,083 AIs 12,053

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GenAI & Digital Tools in Education

The All-Rounder: ChatGPT Plus

- Lesson planning
 - Ideas & Structuring & Planning
 - Tasks & Sample Solutions
 - Individualization & Differentiation
- Preparing knowledge
 - Understanding & composing texts
 - Simplify & Summarize
 - Translate & Explain
 - Analyses and calculations
 - Presentations & Diagrams
 - Videos & Audio
 - Reading & Crafting Files
- Assessment
 - Finding & Correcting Errors
 - (individual) Feedback & Evaluation

Education

Explore new ideas, revisit existing skills

1



Tutor Me

Your personal AI tutor by Khan Academy!
I'm Khanmigo Lite - here to help you with math, science, and humanities questions. I...

By khanacademy.org

3



Math Solver

Your advanced math solver and AI Tutor, offers step-by-step answers, and helps you learn math and even all subjects, at any...

By studyx.ai

5



Voxscript

Quick YouTube, US equity data, and web page summarization with vector transcript search -- no logins needed.

By Allwire Technologies, LLC

7



Language Teacher | Ms. Smith

Supports 20+ languages - Spanish, German, French, English, Chinese, Korean, Japanese, ... Your private tutor to learn any...

By tevfik.xyz

 All-around Teacher (Learn

2



Universal Primer

The fastest way to learn everything about anything

By Siqi Chen

4



Video Summarizer

For YouTube video: Generate educational summary from a lengthy video in any language. No extra logins. Free to use...

By Klym Zhuravlov-luzefovych

6



AlphaNotes

Transform YouTube videos or web articles into your personal study guide or study aids, making learning efficient and...

By Davide Zambiasi

8



Prompt Professor

I know everything about Prompt Engineering. What do you want to know about prompt?

By community builder

ChatBot & Artefacts: Claude.ai



The screenshot displays the Claude.ai interface. On the left, a chat window shows a user prompt: "Create a simple online vocabulary trainer for English and German". The assistant's response explains the tool's functionality and lists six points: 1. It uses a predefined list of English-German word pairs. 2. The trainer randomly selects a word pair and displays the English word. 3. The user types their German translation into an input field. 4. The "Check" button verifies the answer, providing feedback and updating the score. 5. The "Next Word" button moves to a new random word. 6. The component keeps track of the user's score and the current word. Below the chat, a button labeled "English-German Vocabulary Trainer" is visible. On the right, a preview of the artifact is shown. The preview has a title "Vocabulary Trainer" and a subtitle "Translate to German:". It features an input field with the placeholder text "Type your answer here", a "Check" button, and a "Next Word" button. Below the buttons, the score is displayed as "Score: 0 / 0". The preview also shows a list of vocabulary words in English and German, and a function definition for the VocabularyTrainer component.

<https://claude.site/artifacts/7988e9dc-028d-47ae-9a46-b9dbff956dfb>

or: <https://bit.ly/4eSMXdv>

Barbara Sabitzer

AI without Registration: Perplexity & You.com

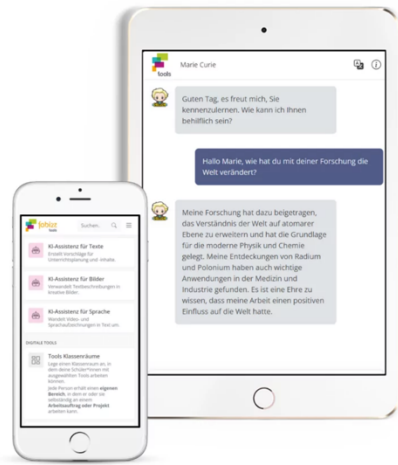
The screenshot shows the Perplexity AI web interface. On the left is a sidebar with navigation links: 'New Thread', 'Home', 'Discover', 'Library', 'Sign in', and a 'Sign Up' button. The main content area displays a search result for the query 'wie kann man Perplexity im Unterricht verwenden'. It includes a 'Sources' section with four links: 'Digitale Bildung mit Perplexity AI - YouTube', 'Youtube-Tutorial: 4 KI-Tools für Schule und... unterrichten - 2', 'Perplexity in der Anwendung ~... youtube - 3', and 'View 2 more'. Below this is an 'Answer' section with a detailed text response. At the bottom, there is a 'Related' section with the title 'welche vorteile bietet perplexity ai im unterricht' and a search bar with the text 'Ask follow-up...'. A 'Try Pro' banner is visible on the left sidebar.

Integration in den Unterricht

Generative KI-Systeme können in den Unterricht integriert werden, um den Lernenden beim Kompetenzerwerb zu unterstützen. Die Integration neuer Technologien in den Unterricht ist eine längerfristige Aufgabe, die vor allem dezentral und fachspezifisch in den Studiengängen und Weiterbildungen geleistet wird. Didaktische Modelle und Konzepte aus der Medienbildung können hierbei eine wertvolle Hilfestellung sein ⁴.

Es ist wichtig, sich bewusst mit den Auswirkungen der generativen KI im Bildungssystem auseinanderzusetzen und sicherzustellen, dass ihre Vorteile genutzt werden können, während ihre Risiken minimiert werden. Die Nutzung von generativer KI im Unterricht sollte daher sorgfältig geplant und überwacht werden, um einen positiven Beitrag zum Lernprozess zu leisten

The screenshot shows the You.com search interface. At the top, there are several search suggestions: 'unterrichten', 'web2-unterricht...', 'bildungsserver', and 'blog.zhaw'. Below these are two search results: 'Welche Schulung benötigen Lehrkräfte für generative KI?' and 'Gibt es Risiken bei der Verwendung von generativer KI?'. At the bottom, there is a search bar with the text 'Ask a follow-up...' and several filters: 'Smart', 'Genius', 'GPT-4', 'Research', and 'Create'. A 'Sign in to unlock free premium modes' link is visible at the bottom right.



KI-Assistenz: Dein praktischer Helfer

Deine persönliche KI-Assistenz für den Unterricht unterstützt dich bei vielen Aufgaben: von der Unterrichtsplanung und -gestaltung bis hin zu organisatorischen Aufgaben und Korrekturen.

Das Beste daran: die fobizz KI-Assistenz bietet dir viele praktische Funktionen in einem:



Alle Tools anzeigen

KÜNSTLICHE INTELLIGENZ NUTZEN

-  KI-Assistenz für Texte
-  KI-Assistenz für Bilder
-  KI-Assistenz für Sprache
-  KI-Assistenz für Personen
-  KI-Assistenz für Dokumente
-  KI-Assistenz für Korrekturen
-  KI-Assistenz für Arbeitsblätter
-  KI-Promptlabor **NEU**

MATERIALIEN ERSTELLEN

-  Arbeitsblatt
-  Digitale Tafel
-  Pinnwand
-  Umfrage
-  Texteditor mit KI
-  Webseite
-  Wortwolke

INHALTE TEILEN

-  Video-Aufnahme
-  Audio-Aufnahme
-  Bildschirm-Aufnahme
-  Kurzlink
-  Datei teilen
-  QR-Code

Safe Platform

INHALTE VERWALTEN

-  Neuen Ordner anlegen
-  Klassenzimmer erstellen

UNTERRICHTSMATERIALIEN ENTDECKEN

-  Galerie mit fertigen Materialien

Platforms for Teachers: Magic School & To Teach

The screenshot shows the Magic School website. At the top, there's a purple header with a search bar and tabs for 'MagicSchool' and 'MagicStudent'. Below the header, a sidebar on the left contains navigation links: 'Magic Tools', 'Raina (Chatbot)', 'Output History', 'Launch to Students', 'Love', 'Training', 'Share the Magic', 'MagicStudent Intro', 'Upgrade', and a 'Free' button. The main area is titled 'All Tools' and features a grid of 12 tool cards. Each card has an icon, a title, a brief description, and a star icon. The tools include: Image Generator (HOT), Presentation Generator (HOT), Text Rewriter, Lesson Plan, Multiple Choice Quiz / Assessment, Worksheet Generator, Report Card Comments, Text Leveler, Academic Content, Informational Texts, Professional Email, YouTube Video Questions, Rubric Generator, Text Summarizer, Text Proofreader, Text Dependent Questions, Text Translator, and IEP Generator. A 'Sort by' dropdown menu is set to 'Most Popular'.

The screenshot shows the To Teach website. The top navigation bar includes links for 'Homepage', 'Exercises', 'Worksheets', 'Lesson Plan', 'Tools', 'My Content', and 'Account'. The main content area is personalized for 'Barbara Sabitzer' and displays a message: 'Hello Barbara Sabitzer 🖐️ You haven't created any content yet this month. Now save time on your lesson preparation and create content with our AI exercises and worksheet templates that adapt to your lessons.' Below this, a section titled 'Let's create something' features three cards: 'Exercises' (Select from over 500 pre-made exercises and worksheets for your school subject. Easily tailor all the content to your lessons and learners with just one click!), 'Worksheets' (Free to use Worksheets that you can print or use digital to enhance your lessons.), and 'Lesson Plan' (Use our AI lesson planner to create engaging lessons in no time). On the right side, a 'Our Tools' section lists various tools: Text Tools, Youtube -> Worksheet, Create Kahoot from your own content, Create a presentation, Website -> Worksheet, and Infographics for your lessons. At the bottom right, a 'Free Plan' section indicates 'Usage in month October'.

Brisk – Tools for Teachers

The screenshot displays the Brisk website interface, which is organized into two main sections: 'Create instructional materials' and 'Educator favorites'. The 'Create instructional materials' section is a large purple box containing eight tool cards. The 'Educator favorites' section is a light blue box containing three tool cards. Each card includes a title, a brief description, and a 'Try It ->' button. Decorative arrows and star icons are used to highlight specific tools.

Create instructional materials

- AI Lesson Plan Generator**
Generate comprehensive lesson plans to guide your teaching objectives and activities.
[Try It ->](#)
- DOK Questions**
Generate Depth of Knowledge (DOK) questions to deepen students' understanding.
[Try It ->](#)
- AI Rubric Generator**
Create clear rubrics in moments to outline assessment criteria and expectations.
[Try It ->](#)
- AI Quiz Maker**
The ultimate AI quiz maker for teachers! Effortlessly create quizzes in Google Forms and Docs, complete with embedded answer keys, to assess student understanding.
[Try It ->](#)
- AI Presentation Maker**
Craft engaging Google Slides presentations to captivate your class. Generate presentations from scratch or from articles, websites, YouTube videos, and more.
[Try It ->](#)
- Teacher Exemplar**
Create top-quality exemplars as benchmarks for student assignments.
[Try It ->](#)
- Teaching Resource Maker**
Quickly produce a variety of educational resources to enhance classroom instruction.
[Try It ->](#)
- Something Else**
Explore 'Something Else' for custom teaching materials. Use this tool as a riddle generator, a question sheet maker, a writing prompt creator... whatever you need!
[Try It ->](#)

Barbara Sabitzer

Educator favorites

- Targeted Feedback Generator**
Create personalized comments in any student's Google Doc.
[Try It ->](#)
- Presentation Maker**
Craft Google Slides presentations from any idea, article, website, or video.
[Try It ->](#)
- Quiz Maker**
Create quizzes in Google Forms and Docs, with embedded answer keys.
[Try It ->](#)

Generating Tasks & Sample Solutions

Programming task:
Development of a
vocabulary trainer in Java

B Du

Erstelle ein Aufgabenblatt "Programmierübungen Java" für eine AHS, 7. Jahrgang, Wahlpflichtfach Informatik. Es soll ein Vokabeltrainer Deutsch-Englisch programmiert werden, integriere Schleifen und Verzweigungen



ChatGPT

Ein Aufgabenblatt für Programmierübungen im Rahmen eines Wahlpflichtfaches Informatik in der 7. Jahrgangsstufe einer Allgemeinbildenden Höheren Schule (AHS) könnte folgendermaßen gestaltet werden:

Programmierübungen: Entwicklung eines Vokabeltrainers (Deutsch-Englisch) in Java

Zielsetzung

Das Ziel dieser Übung ist es, einen einfachen Vokabeltrainer für Deutsch-Englisch zu programmieren, der grundlegende Programmierkonzepte wie Schleifen, Verzweigungen und die Verwendung von Datenstrukturen in Java vermittelt. Der Vokabeltrainer soll Nutzern ermöglichen, ihre Kenntnisse in Deutsch und Englisch zu überprüfen und zu verbessern.



Entire chat in ChatGPT

```

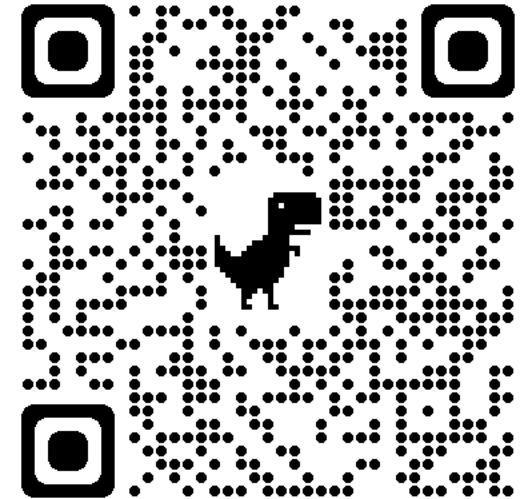
1 import java.util.HashMap;
2 import java.util.Scanner;
3 import java.util.Set;
4
5 public class Vokabeltrainer {
6
7     private HashMap<String, String> vokabeln = new HashMap<>();
8     private Scanner scanner = new Scanner(System.in);
9
10    public Vokabeltrainer() {
11        // Initialisiere die Vokabeln
12        vokabeln.put("Haus", "house");
13        vokabeln.put("Baum", "tree");
14        vokabeln.put("Schule", "school");
15        vokabeln.put("Lehrer", "teacher");
16        vokabeln.put("Buch", "book");
17        vokabeln.put("Stift", "pen");
18        vokabeln.put("Tisch", "table");
19        vokabeln.put("Stuhl", "chair");
20        vokabeln.put("Auto", "car");
21        vokabeln.put("Straße", "street");
22    }
23
24    public void start() {
25        System.out.println("Willkommen zum Vokabeltrainer! (Tippe 'exit' zum Beenden)");
26
27        // Hauptschleife für die Abfrage
28        while (true) {
29            Set<String> deutscheWorte = vokabeln.keySet();
30            for (String deutschesWort : deutscheWorte) {
31                System.out.println("Was ist die englische Übersetzung für: " + deutschesWort + "?");
32                String antwort = scanner.nextLine();
33
34                // Beenden, wenn der Benutzer "exit" eingibt
35                if (antwort.equalsIgnoreCase("exit")) {
36                    System.out.println("Vokabeltrainer wird beendet.");
37                    return;
38                }
39
40                // Überprüfung der Antwort
41                if (antwort.equalsIgnoreCase(vokabeln.get(deutschesWort))) {
42                    System.out.println("Richtig!");
43                } else {
44                    System.out.println("Falsch! Die richtige Antwort wäre: " + vokabeln.get(deutschesWort));
45                }
46            }
47        }
48    }
49
50    public static void main(String[] args) {
51        Vokabeltrainer trainer = new Vokabeltrainer();
52        trainer.start();
53    }
54 }

```

Barbara Sabitzer

Sample solution

Built with ChatGPT

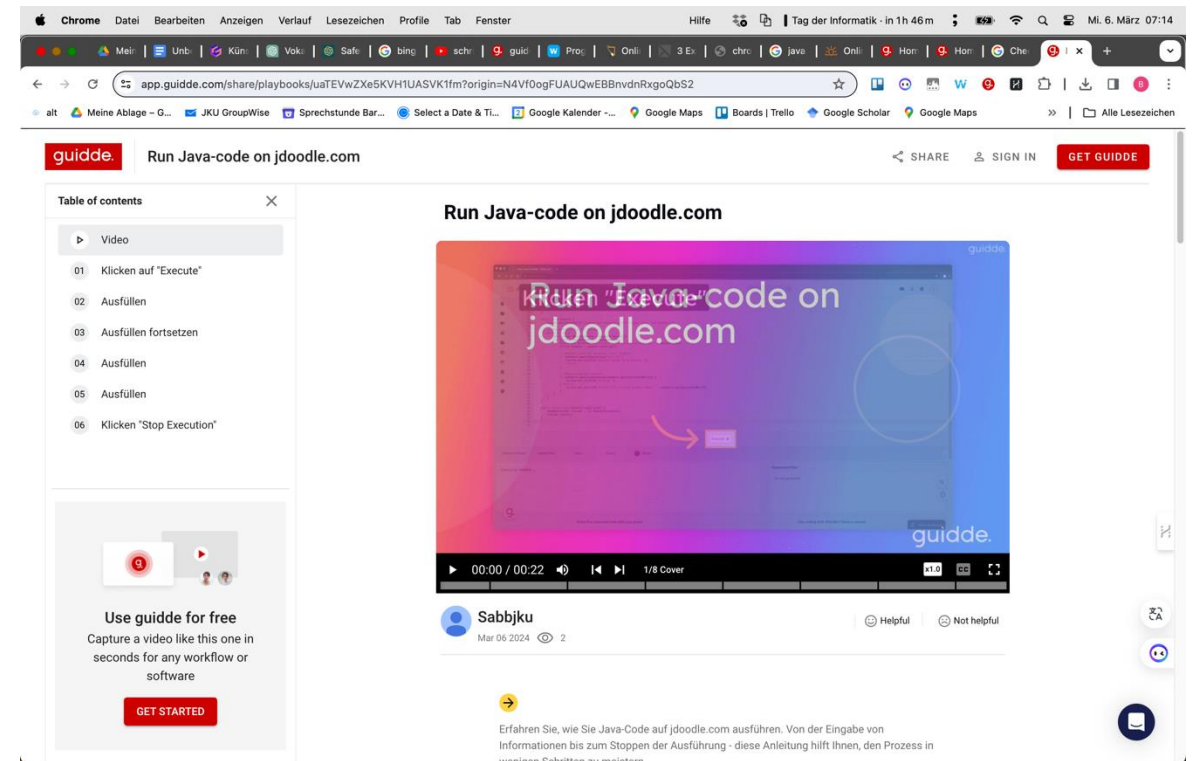
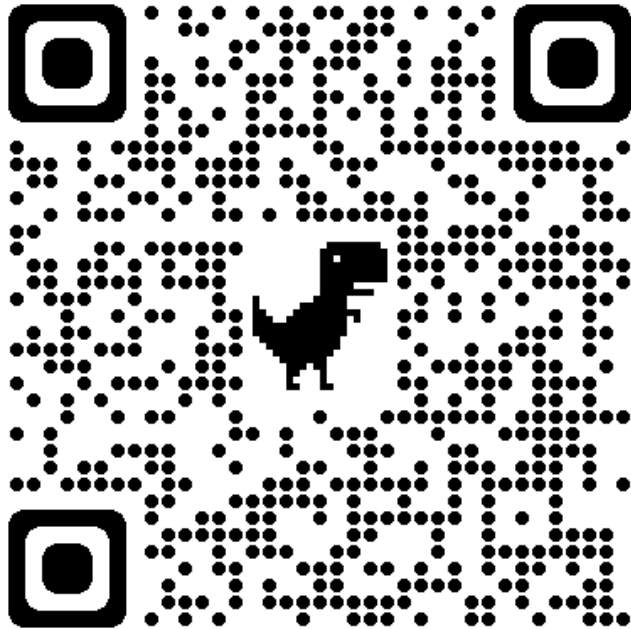


Link to the executable and
editable code

<https://www.jdoodle.com/a/7lGh>

How-to-Instructions: Guidde.com

Execute code on <https://www.jdoodle.comonline-java-compiler-ide/>



Facilitate Understanding in Foreign Languages: Harpa.ai

educaciontrespuntocero.com/tecnologia/inteligencia-artificial-en-la-educacion/

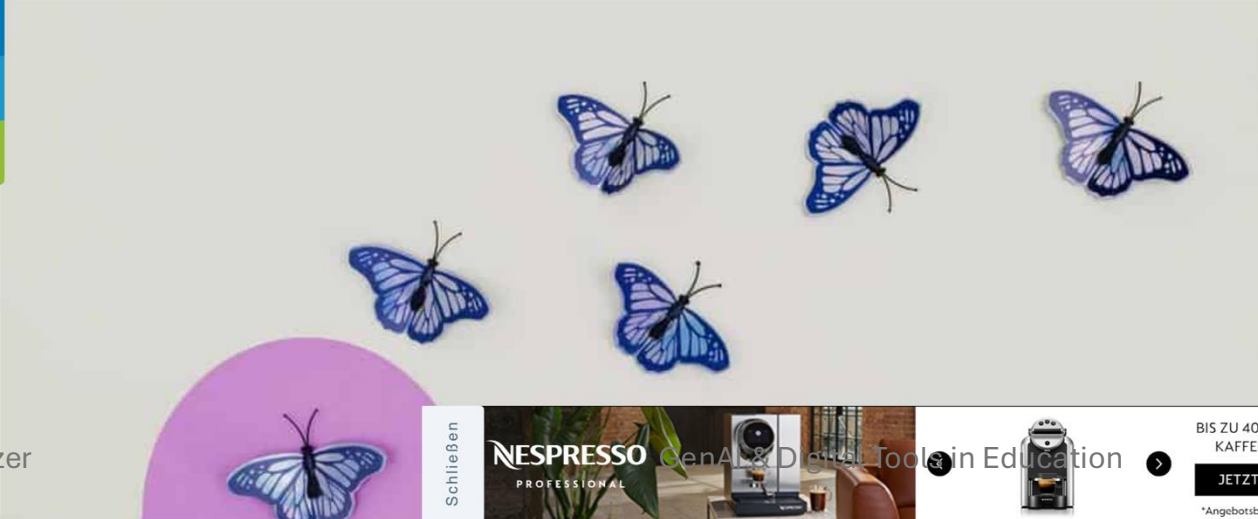
alt Meine Ablage - G... JKU GroupWise Sprechstunde Bar... Select a Date & Ti... Google Kalender -... Google Maps Boards | Trello Google Scholar Google Maps >> | Alle Lesezeichen

[Inicio](#) - [Tecnología](#) - Claves para aprovechar la Inteligencia Artificial en la educación

Claves para aprovechar la Inteligencia Artificial en la educación

Recopilamos cinco artículos publicados en nuestra web que repasan las posibilidades y aplicaciones de esta tecnología en el entorno educativo.

por EDUCACIÓN 3.0



Barbara Sabitzer

Schließen

NESPRESSO PROFESSIONAL GenAI & Digital Tools in Education

BIS ZU 40 % KAFFEEMASCHINE JETZT PRO

*Angebotsbedingungen beachten.

AI AUTOMATE

identificar las dificultades de los estudiantes desde el inicio del curso.

- Se recopilan charlas TED sobre IA en la educación, abordando preguntas comunes y mostrando ejemplos de su aplicación.
- La página web, EDUCACIÓN 3.0, se destaca como un medio líder en innovación educativa que busca acompañar a la comunidad educativa en la transformación necesaria para adaptarse a la sociedad actual.

vereinfache den Text auf das Sprachniveau A!

- La Inteligencia Artificial (IA) en la educación ayuda a los profesores y automatiza tareas repetitivas.
- Aunque la IA se está introduciendo poco a poco en las aulas, muchas personas desconocen sus usos y potencial.
- La UNESCO destaca las oportunidades de la IA en la educación para garantizar una educación inclusiva y de calidad.
- Pablo Dúo ofrece recursos educativos para usar la IA en la enseñanza, desde la educación infantil hasta la secundaria.
- Silvia Leal habla sobre la importancia de la IA para un aprendizaje personalizado.

Press ESC to cancel command

GPT-3.5 COMMAND

Takeaways from Text or Videos: Harpa.ai

The screenshot shows a YouTube video player with a man speaking. The video title is "DIE CHATGPT ALTERNATIVE AUS EUROPA - Der kostenlose Le Chat von Mistral.ai". The video has 227 likes and 3,501 views. An AI summary overlay is visible on the right side of the video player, titled "YouTube video summary". The summary provides a productivity tip: "Save time on watching YouTube videos. Break down YouTube videos into parts and get key takeaways." It also offers a "TAKEAWAYS" section with a list of key points from the video.

YouTube video summary
Productivity Save time on watching YouTube videos. Break down YouTube videos into parts and get key takeaways.

Pick a summary format, or type custom instructions.

TAKEAWAYS

Parsing video from the page... Long videos may take a few seconds to parse.

- 00:00 Erster ernstzunehmender Chat-GPT-Konkurrent aus Europa: Le Chat von Mistral.ai.
- 00:26 Chatbot-Zugang und Benutzeroberfläche ähneln Chat GPT, Webseite ist auf Deutsch verfügbar.
- 02:06 Chatbot-Modelle: Large, Next und Small; Empfehlung: Large-Modell verwenden, Next-Modell für Logikfragen.
- 04:53 Knowledge-Cutoff aller Modelle (Large, Next, Small) liegt bei 2021, bei Chat GPT 3,5 Turbo ebenso.
- 05:35 Modellwechsel innerhalb des Chats möglich, Next-Modell empfohlen für Logikfragen.

Press ESC to cancel command

GPT-3.5 COMMAND { }

Dubbing – Translating Audio: ElevenLabs

The screenshot shows the ElevenLabs website interface. At the top is a browser address bar with the URL `elevenlabs.io/app/dubbing`. Below the address bar is a navigation bar with various icons and links. The main content area is divided into a left sidebar and a main panel. The sidebar contains a header **ElevenLabs** and a list of features under the heading **CREATE**: Text to Speech, Voice Changer, Voices, and Sound Effects. Below these are **WORKFLOWS**: Projects, Voiceover Studio (marked as Beta), Dubbing Studio (highlighted), and Audio Native. At the bottom of the sidebar are **TOOLS**: Voice Isolator. The main panel has a header **Dubbing** with the subtitle "Translate your content across 29 languages in seconds with voice translation, speaker detection, and audio dubbing." Below this is a **Learn** section with two video guides: "Learn about Dubbing Studio" and "Importing YouTube videos". The **Dubs** section lists three audio dubbing projects: "KI Podcast englisch italienisch" (Italian · letzte Woche), "GenAI UNESCO" (German · vor 2 Wochen), and "Cool Lab" (English · vor 8 Monaten). Each project has a play button icon and a vertical ellipsis menu to its right. A button labeled "+ Create new dub" is located at the bottom right of the Dubs section.

← → ↺ 🏠 elevenlabs.io/app/dubbing ☆

alt Meine Ablage – G... Mattermost JKU GroupWise Sprechstunde Bar... Select a Date & Ti... Google Kalender -... Google Maps Boards | Trello Google Scholar >> 📁

ElevenLabs

CREATE

- Text to Speech
- Voice Changer
- Voices
- Sound Effects

WORKFLOWS

- Projects
- Voiceover Studio Beta
- Dubbing Studio**
- Audio Native

TOOLS

- Voice Isolator

Dubbing

Translate your content across 29 languages in seconds with voice translation, speaker detection, and audio dubbing.

Learn

Watch our short video guides to help you get up to speed with dubbing your content

Learn about Dubbing Studio
A professional studio app that makes it easy to precisely dub content with ultimate control.

Importing YouTube videos
Discover how to easily dub any YouTube video for easy sharing.

Dubs

KI Podcast englisch italienisch
Italian · letzte Woche

GenAI UNESCO
German · vor 2 Wochen

Cool Lab
English · vor 8 Monaten

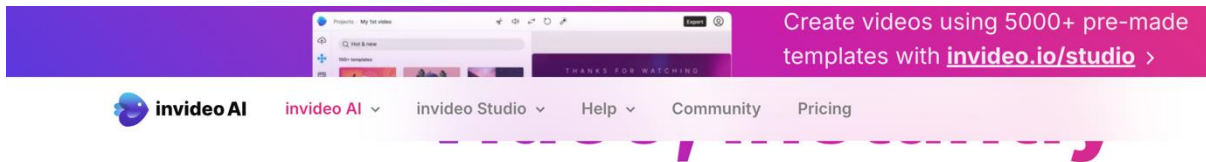
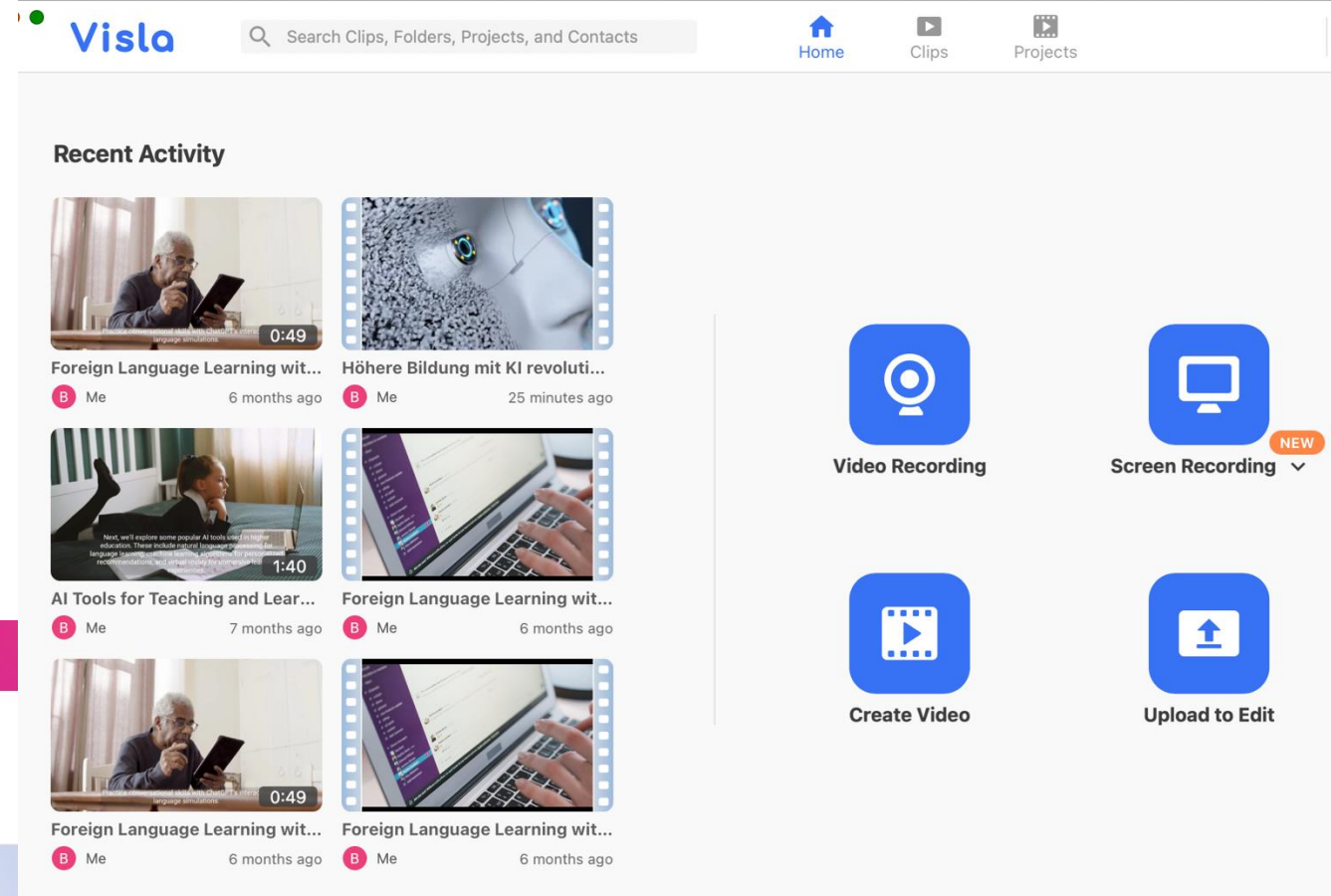
+ Create new dub

Text-to-Speech: Elevenlabs

The screenshot shows the Elevenlabs website in a browser. The address bar displays 'elevenlabs.io'. The website has a dark blue header with the 'ElevenLabs' logo and navigation links for Products, Research, Pricing, Resources, and Company. There are 'Sign in' and 'Sign up' buttons. The main content area features a 'Generative Voice AI' section with a description: 'Convert text to speech online for free with our AI voice generator. Create natural AI voices instantly in any language - perfect for video creators, developers, and businesses.' Below this is a 'Get Started Free' button. To the right, there's a language selection grid with buttons for various languages including English, Chinese, Spanish, Hindi, Portuguese, French, German, Japanese, Arabic, Russian, Korean, Indonesian, Italian, Dutch, Turkish, Polish, Swedish, Filipino, Malay, Romanian, Ukrainian, Greek, Czech, Danish, Finnish, Bulgarian, Croatian, Slovak, and Tamil. A text input field contains the sentence: 'Eleven lets you voice any length of text in top quality, all while automatically matching what is being said with how it's being said. The model works best on longer texts, so type in at least a few sentences.' Below the input field, a dropdown menu shows 'Daniel' as the selected voice, and a character count '0 / 333' is visible. A play button and a progress bar are at the bottom of the interface.

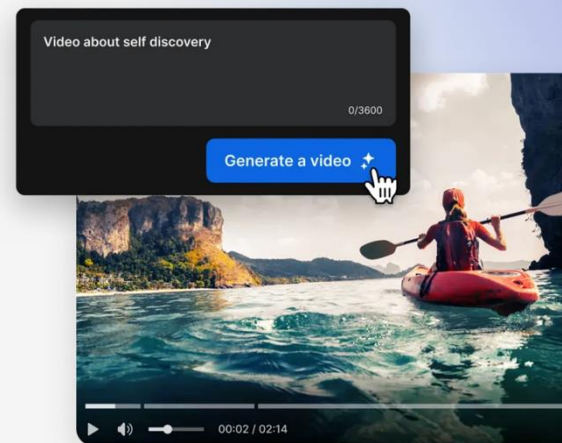
The screenshot shows a YouTube video player. The video title is 'Speaker Assignment' with a small '3' in a circle next to it. The video player shows a progress bar at 0:23 / 1:29. Below the video player, the channel name 'ElevenLabs' is displayed with '20.000 Abonnenten' and a 'Abonnieren' button. To the right of the channel name are icons for likes (333), comments, share (Teilen), download (Herunterladen), and a menu icon (three dots).

Text-to-Video: Visla or InVideo



Text to video in minutes

Describe your idea, optionally add details such as video length, platform, voiceover accent, and watch as the video gets generated.



[Generate a video](#)

Education

Generating Pictures: Ideogram

A photo of a classroom with students and a teacher. The students are using computers, and the teacher is standing at the front of the room. The walls are adorned with various educational materials. The overall ambiance is bright and modern.

<https://ideogram.ai/>



Generate Songs : Suno

Create a song about useful vocabulary around the topic eating and drinking in a restaurant.

The screenshot displays the Suno AI web interface. On the left is a navigation menu with links: Home, Create, Library, Explore, Search, Subscribe, What's New? (20), Help, About, and Careers. A 'Sign In' button is at the bottom of the menu. The main content area features a song titled 'Dining Delight' by user 'DissonantPhaser037', categorized as 'playful pop'. The song was generated on September 26, 2024, at 11:37 AM, version 3.5. The lyrics are as follows:

[Verse]
Table for two please
Menu in my hands
Water or some tea
What will you have

[Verse 2]
Appetizer first
Spinach dip or fries
Soup or salad next
What's your pick tonight

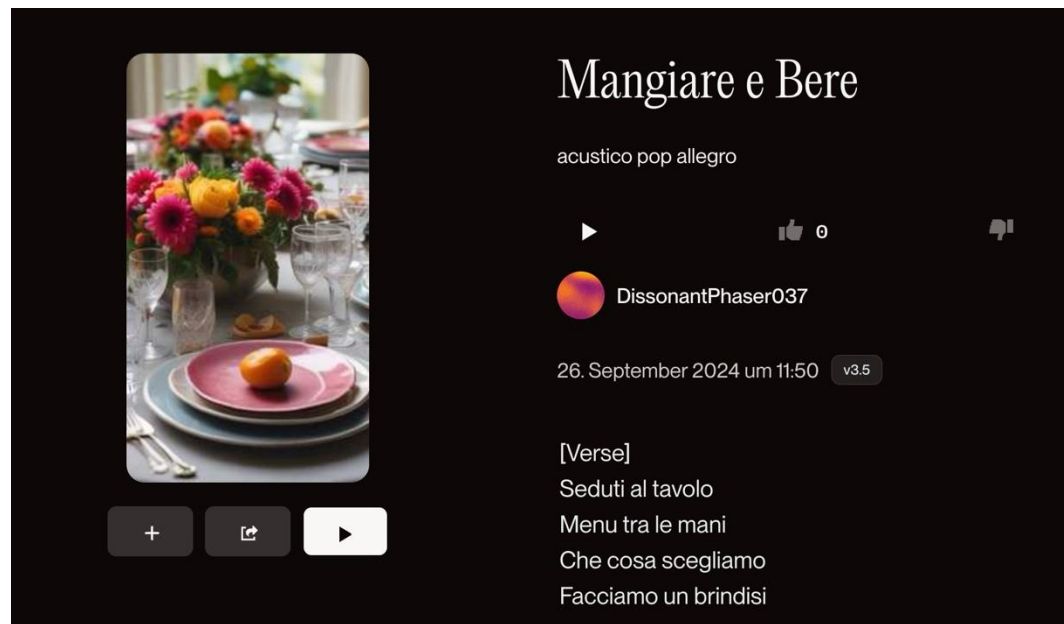
[Chorus]
Taste the flavors
Feel the heat
Dining delight
Food's a treat

To the right of the lyrics is a large speaker icon. Below the lyrics is a playback bar showing the song title, artist, and a progress bar from 00:00 to 01:42. On the far right is a 'Similar' section with a list of recommended songs, including 'Popcorn' by 'mr tree yolkhead f...', 'Burden' by 'Foggy X', 'So Lame' by 'SSC5...', 'Ever said' by 'Nnelsey', 'Samurai' by 'Phonk, Phonkaloi...', and 'Hellfire Heroes' by 'Ambient, Chillout...'.

Una canzone & Esercizi

(First Prompt adapted by ChatGPT)

"Scrivi una canzone con vocabolario utile su mangiare e bere al ristorante. Includi frasi per ordinare, chiedere il conto ed espressioni di cortesia. Mantieni il testo semplice e divertente."



<https://bit.ly/3N2vXWr>

Online exercises by to-teach.ai

Fast Presentations: Gamma.app

B Barbara Sabitzer's ...

Jump to ⌘+K

All gammas

Sites BETA

Folders +

Coaching

Templates

Inspiration

Themes

Custom fonts

Trash

Invite to workspace

70 credits

Contact us

PRO Upgrade to Gamma Pro

Unlock unlimited AI and remove Gamma branding

View Plans

Coaching

1 member

+ Create new AI

+ New from blank

Import ▼

All

Recently viewed

Created by you

Favorites

Last edited ▼ ↕

Grid

List

Workshop: Digitale Transformation im Coaching-Business



Workshop: Digitale Transformation im Coaching-Business

Search willkommen zum Workshop über digitale Transformation im Coaching-Business. In diesem Workshop lernen Sie, wie Sie die neuesten digitalen Technologien nutzen und den digitalen Wandel in Ihrem Coaching-Business erfolgreich gestalten können.

Consultingpartner: Barbara Sabitzer

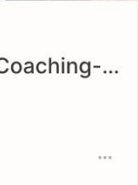
Workshop: Digitale Transformation im Coaching-Business

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Edited 4 months ago

AI Tools: Empowering Freelancers and Small Enterprises



AI Tools: Empowering Freelancers and Small Enterprises

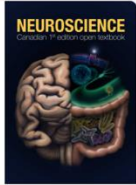
AI Tools: Empowering Freelancers and Small...

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Integrative Neurocoaching



Integrative Neurocoaching

Integrative neurocoaching combines principles from neuroscience, psychology, and coaching to help optimize brain function and enhance overall well-being. Learn about the key elements and principles typically associated with this multidisciplinary approach.

by Barbara Sabitzer

Integrative Neurocoaching

Shared

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Integratives Neurocoaching



Integratives Neurocoaching

Erkunden Sie die Welt des Integrativen Neurocoachings, der auf bewährte Disziplinen wie Neurowissenschaften, Psychologie und Coaching basiert.

by Barbara Sabitzer

Integratives Neurocoaching

Shared

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Was Coaching und computational thinking gemeinsam haben



Was Coaching und computational thinking gemeinsam haben

Coaching und computational thinking may seem like vastly different concepts, but there are actually many similarities between the two. In this presentation, we explore the connections between coaching and computational thinking, and the benefits of integrating the two.

by Barbara Sabitzer

Was Coaching und computational thinking...

Shared

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Coaching4Future: Coaching and Workshops for Your Success



Coaching4Future: Coaching and Workshops for Your Success

Welcome to Coaching4Future! We are here to support you in achieving your career goals through personalized coaching and engaging workshops. Let's unlock your full potential together!

by Barbara Sabitzer

Coaching4Future: Coaching and Workshops for Your...

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Digital Transformation in Coaching and Consulting: Embracing the Future of Professional Development"



Digital Transformation in Coaching and Consulting

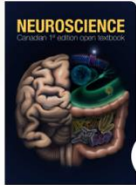
Digital Transformation in Coaching and Consulting

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Key Findings of Neuroscience for Coaching



Key Findings of Neuroscience for Coaching

Neuroscience has made significant strides in understanding the brain's ability to learn, change, and adapt. This opens up new avenues to enrich and strengthen the coaching experience.

by Barbara Sabitzer

Key Findings of Neuroscience for Coaching

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🔍

❓

Fast Online-Courses: EdApp

admin.edapp.com/courseware?show=content-library

alt Meine Ablage – G... JKU GroupWise Sprechstunde Bar... Select a Date & Ti... Google Kalender -... Google Maps Boards | Trello Google Scholar Google Maps >> | Alle Lesezeichen

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✍ Editable content 📱 Supported on all devices 👤 Created by experts

Industries

All industries	533
Agriculture	11
Automotive	18
Aviation	12
Construction	78
Education	26
Emergency services	11
Environmental	7
Financial services and banking	9
Food and hospitality	66

Education X

26 Ergebnisse

YEAR 4 Waste
eco-navigate

KURS
Year 4 - Waste
Von Ecothink

1 Lektion ★ 5 (1)

Chương trình đào tạo về tác hại của việc sử dụng rượu bia...
"Chương trình đào tạo về tác hại của việc sử dụng rượu bia trong điều khiển..."
Von UNITAR

7 Lektionen ★ 5 (1)

English for Freelancers: Getting Started
Are you starting out as a freelancer and looking to work in the international...
Von British Council

16 Lektionen ★ 4.8 (92)

What is Gender and Why Gender Equality? (Screen...
Learn what gender and gender equality are, why they are important, and how...
Von EdApp

4 Lektionen ★ 4.8 (4)

Connecting Apps for Automation: Zapier & Make

The image displays the Zapier website interface, which is used for creating automated workflows (Zaps) between different applications.

Top Navigation: The browser address bar shows `zapier.com/app/templates/apps`. The top navigation bar includes a search bar and various utility links like "Home", "Discover", "Zaps", "Tables", "Interfaces", and "Chatbots".

Discover Section: This section lists various app categories and use cases. The "Apps" category is currently selected.

Popular Google Sheets templates: This section displays several pre-built Zaps for Google Sheets, such as "Save new Gmail emails matching certain traits to a Google Spreadsheet" and "Add new Facebook Lead Ads leads to rows on Google Sheets".

Popular Gmail templates: This section displays several pre-built Zaps for Gmail, such as "Save new Gmail attachments to Google Drive" and "Get email notifications or send follow-ups to new Typeform respondents".

Popular Slack templates: This section displays several pre-built Zaps for Slack, such as "Send Slack messages whenever Google Sheets rows are updated" and "Share Google Forms responses in a Slack channel".

Integration Detail View: The bottom half of the image shows a detailed view of a specific Zap integration: "Integration Google Calendar, Google Sheets".

- Scenario Properties:** The scenario is named "Integration Google Calendar, Google Sheets". It is currently set to "ON".
- Diagram:** The diagram shows the workflow: "Google Calendar" (Watch Events) triggers "Google Sheets" (Add a Row).
- History:** The history shows that the scenario was activated on 06.10.2024 at 15:50:23 by Barbara Sabitzer. It also shows a "Success" status.

Literature Review
Data Analysis
Scientific Writing

GenAI for Academic Work





Allrounder: ChatGPT for Research



Writing up

- Improve writing quality
- Reformat citations and references
- Translate writing

Research design

- Generate ideas for research questions or projects
- Suggest data sources



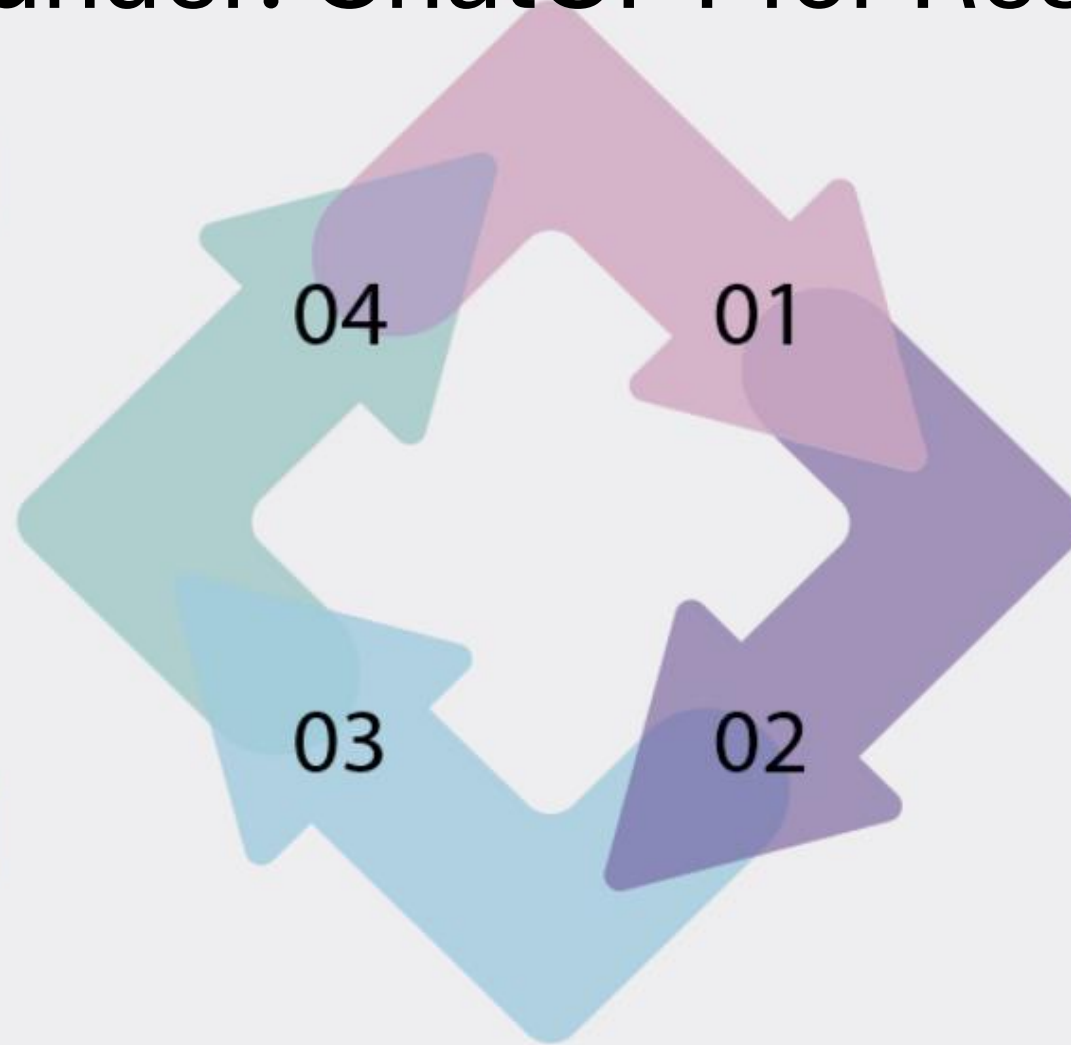
Data analysis

- Code data
- Suggest themes or topics for analysis

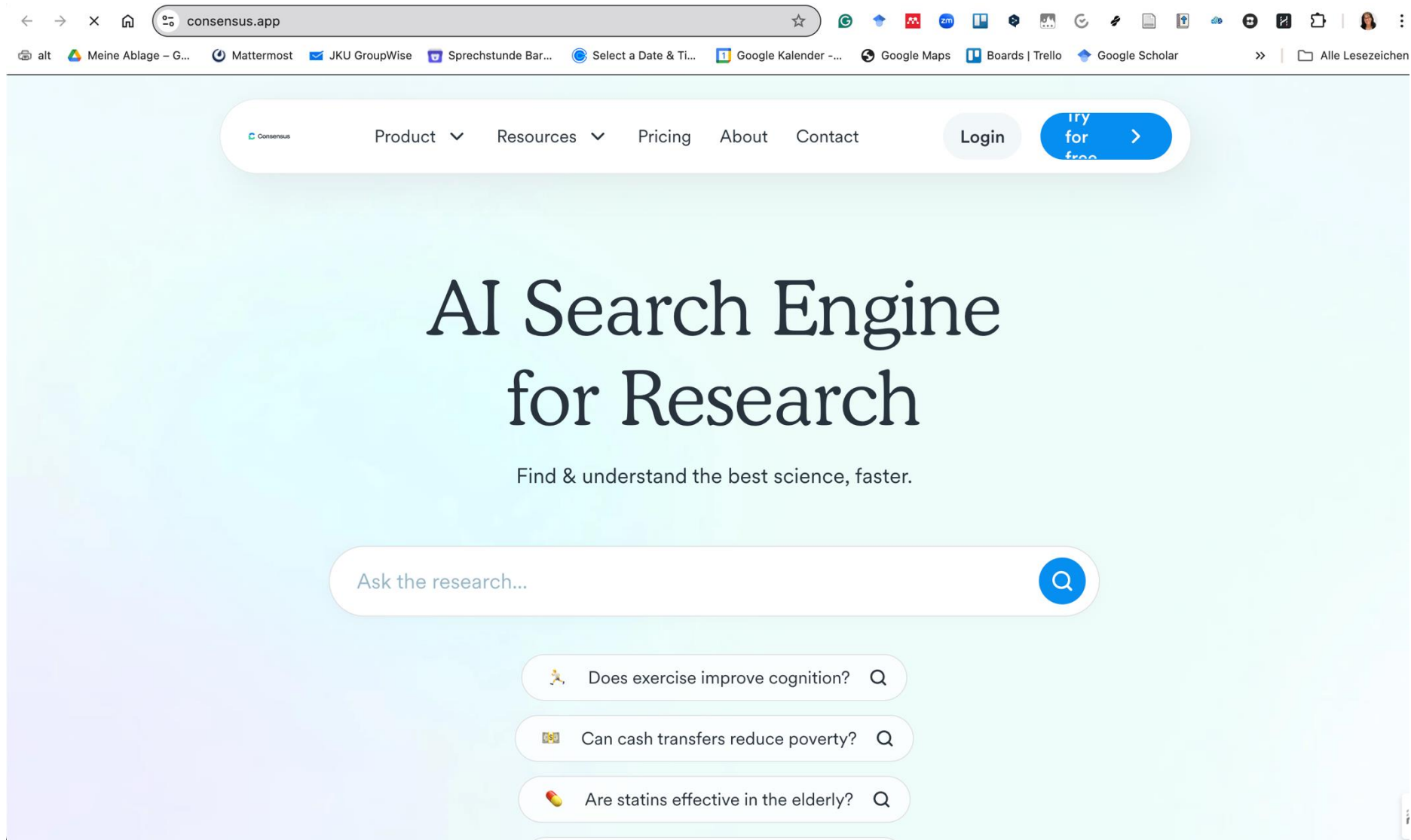


Data collection

- Search archives and datasets
- Translate sources into other languages



Literature Search: Consensus



Literature Review: Scispace



Do hours worth of reading in minutes

Up|

Literature Review

NEW Extract data from PDFs

Read with AI Copilot

Paraphraser

Results From: ☒ SciSpace papers ☐ My library

TRY NEW AI SEARCH ✨

Try asking or searching for:

- Q How does climate change impact biodiversity?
- Q Why are aging Covid patients more susceptible to severe complications?
- Q How does social media affect the college selection process?
- Q What are the interesting theories about dark matter and dark energy?
- Q What is the significance of higher-dimensional algebra?

Related Work: Scite_

The screenshot displays the Scite Assistant web application. The browser address bar shows 'scite.ai/assistant'. The page header includes navigation links for Product, Solutions, Pricing, and Blog, along with a user profile icon. The main content area is titled 'How can AI enhance Higher Education and Research - Best practice'. It features a light blue box with a summary of AI's potential in higher education, followed by a search bar and a green 'G' icon. To the right, a 'References' section lists two references. Reference #1 is 'The impact of Artificial intelligence in higher education' by Nahuel Ruiz (2023). Reference #2 is 'Artificial intelligence in diagnostic imaging: impact on the radiography profession' by Maryann Hardy and Hugh Harvey (2020). Both references include a 'See full context' link and a 'Section: Abstract' label. The bottom of the page shows a search bar with the text 'Tr...ly and tra...' and a green 'G' icon.

assistant by scite

Product Solutions Pricing Blog

How can AI enhance Higher Education and Research - Best practice

Artificial Intelligence (AI) has the potential to significantly enhance higher education and research practices. By leveraging AI technologies, educational institutions can revolutionize various aspects of teaching, learning, and research. AI can facilitate personalized learning experiences, automate administrative tasks, provide data-driven insights for decision-making, and enable innovative research methodologies.

One key area where AI can make a substantial impact is in improving educational outcomes through personalized learning. AI-powered systems can analyze individual student data to tailor educational content and teaching methods to meet the specific needs of each student (Ruiz, 2023). This personalized approach can enhance student engagement, motivation, and ultimately, academic performance.

Moreover, AI can streamline administrative processes in higher education institutions, such as admissions, course scheduling, and grading. By automating these tasks, AI can free up educators' time to focus on more value-added activities like research and student mentorship (Hardy & Harvey, 2020).

In the realm of research, AI can revolutionize data analysis and interpretation. AI algorithms can process vast amounts of data at speeds far exceeding human capabilities, leading to more efficient and accurate research outcomes (Cukurova et al., 2019). Additionally, AI can assist researchers in identifying patterns, trends, and correlations within complex datasets, thereby accelerating the pace of discovery and innovation (Lin et al., 2019).

Furthermore, AI can facilitate interdisciplinary research by enabling collaboration across different fields. For instance, in the medical field, AI technologies are being used to analyze medical images, predict patient outcomes, and develop personalized treatment plans (Bengio, 2009). This interdisciplinary approach, supported by AI, can lead to groundbreaking discoveries and advancements in various domains.

References

Reference #1

"...The impact of Artificial intelligence in higher education..."

See full context

Section: Abstract

The impact of Artificial intelligence in higher education

Nahuel Ruiz 2023

[View full text](#) [Add to dashboard](#) [Cite](#) [Buy / rent full-text](#)

Reference #2

"...We also highlight the opportunities that AI brings including enhancing patient-facing care, increased cross-modality education and working, increased technological expertise and expansion of radiographer responsibility into AI-supported image reporting and auditing roles...."

See full context

Section: Abstract

Artificial intelligence in diagnostic imaging: impact on the radiography profession

Maryann Hardy¹, Hugh Harvey² 2020 *BJR*

84 | 1 | 52 | 0

[View full text](#) [Add to dashboard](#) [Cite](#) [Buy / rent full-text](#)

Zitieren: MyBib

The screenshot shows the MyBib website interface. At the top, there's a browser address bar with 'mybib.com' and a star icon. Below it, a navigation bar contains various icons for different services. The main content area features a large white box with the text 'Generate formatted bibliographies, citations, and works cited automatically'. Below this text are three dots 'ooo'. A 'STYLES' section lists various citation styles: APA 6, APA 7, Chicago, Harvard, Harvard (Australia), MLA 8 (selected), and MLA 9. Below the styles, there are tabs for 'WEBSITE', 'BOOK', 'JOURNAL', 'VIDEO', and 'MORE'. A search bar is present with the placeholder text 'Enter or paste a web address to cite. URLs to PDFs are supported.' and a 'Search' button. Below the search bar, there's an 'OR' separator and a button labeled 'enter manually'. A green callout box on the left side of the white box contains the text: 'Start here! Cite websites, books, journals, and videos automatically – just search with the title or an identifier. Tip: use the ISBN, ISSN, DOI, or URL for the best accuracy.'

mybib.com

ge – G... Mattermost JKU GroupWise Sprechstunde Bar... Select a Date & Ti... Google Kalender -... Google Maps Boards | Trello Google S...

+ Create Citation Modern Language... Download Bibliogra

Generate formatted
bibliographies, citations, and
works cited automatically

ooo

STYLES: APA 6 APA 7 Chicago Harvard Harvard (Australia) **MLA 8** MLA 9

WEBSITE BOOK JOURNAL VIDEO MORE

Enter or paste a web address to cite. URLs to PDFs are supported. Search

OR

enter manually

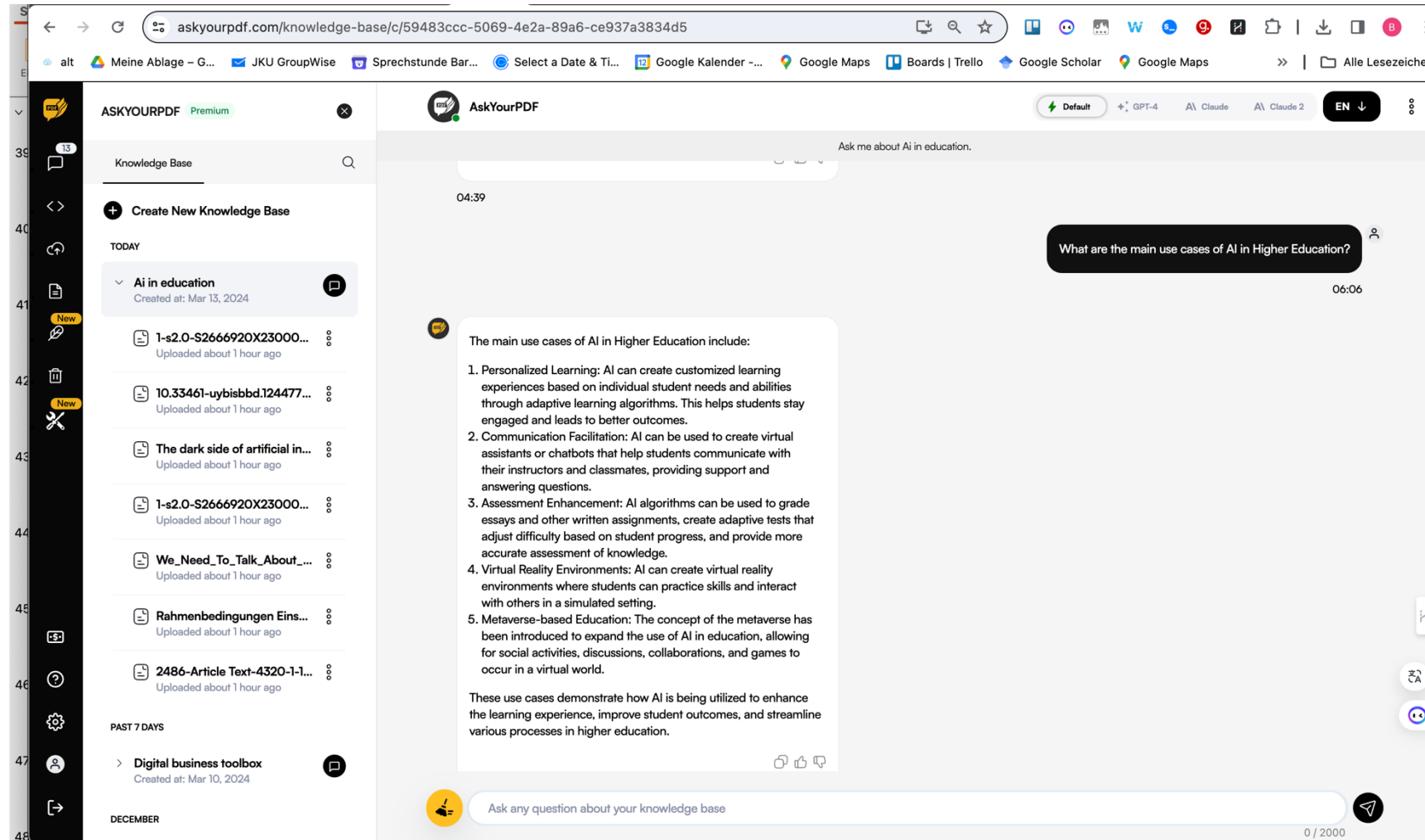
Start here! Cite websites, books, journals, and videos automatically – just search with the title or an identifier.
Tip: use the ISBN, ISSN, DOI, or URL for the best accuracy.

Reference Management: Mendeley or Zotero

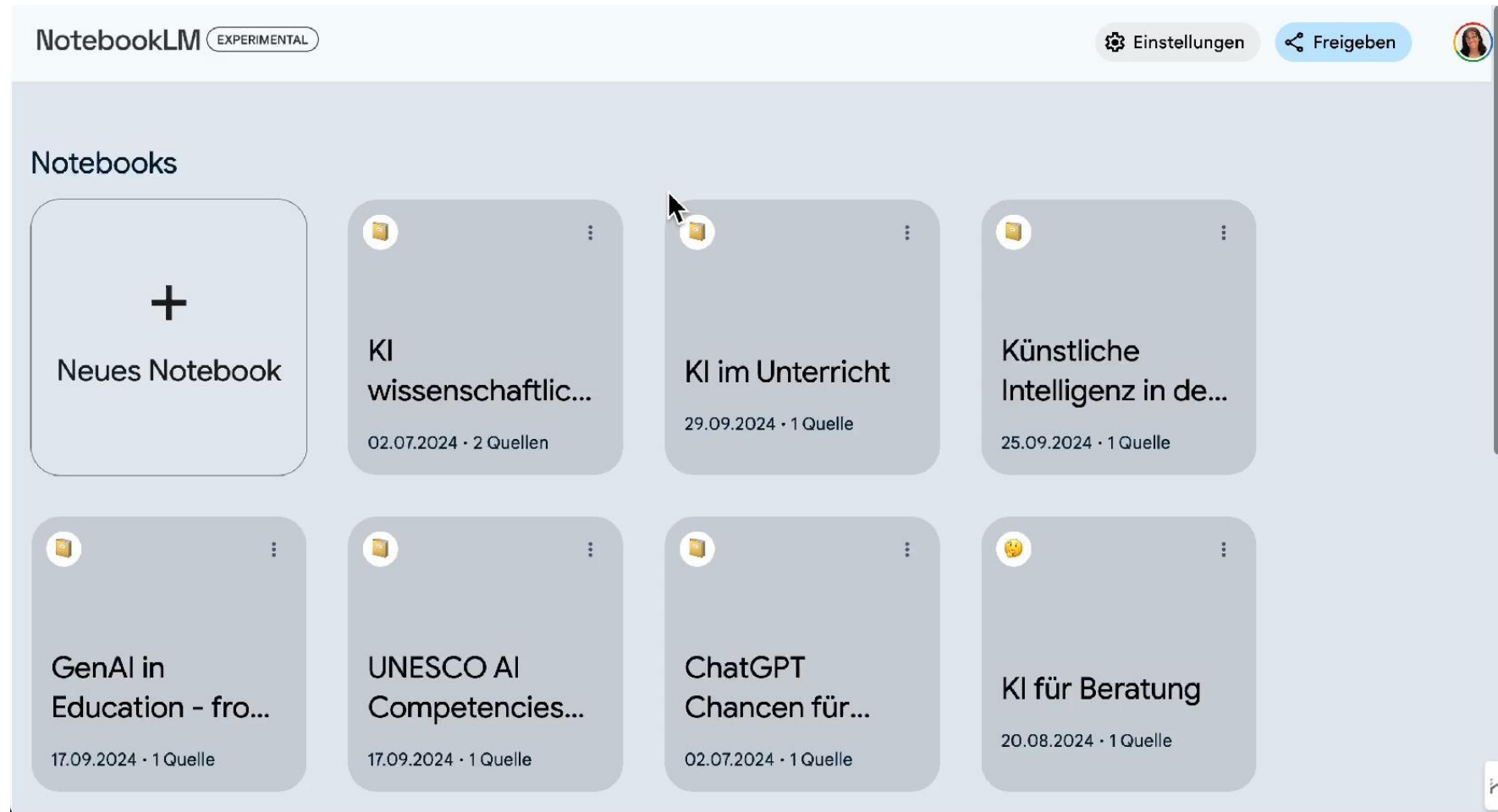
The screenshot displays the Mendeley Reference Manager web interface. The browser address bar shows the URL: `mendeley.com/reference-manager/library/all-references/`. The interface includes a left sidebar with navigation options: '+ Add new', 'All References' (selected), 'Recently Added', 'Recently Read', 'Favorites', 'My Publications', 'Unsorted', 'Duplicates', 'Trash', and a 'COLLECTIONS' section with various categories like AI, Asynchronous Teaching, Computational Thinking, etc. The main area shows a table of 'All References' with columns for checkboxes, authors, year, title, source, added date, and file. The table lists 15 references, including works by BMBWF, Koć-Januchta, Marta M.; S..., Tengler, K.; Sabitzer, B.; Ro..., Starr, Christine R.; Anders..., Szameitat, André J.; Ham..., Bradley, T.; Computing, L L..., and Sabitzer, Barbara; Demarl... among others.

	AUTHORS	YEAR	TITLE	SOURCE	ADDED	FILE
☐	☆ BMBWF	2023	Künstliche Intelligenz – Chance für Österreichs Schulen		31.3.2024	
☐	☆ Koć-Januchta, Marta M.; S...	2022	"Connecting concepts helps put main ideas together": cognitive load and us...	Int J Educ Technol ...	20.8.2023	
☐	☆ Tengler, K.; Sabitzer, B.; Ro...	2019	"FAIRY TALE COMPUTER SCIENCE"-CREATIVE APPROACHES FOR EA...	ICERI2019 Proceed...	3.11.2022	
☐	☆ Tengler, K.; Sabitzer, B.; Ro...	2019	"FAIRY TALE COMPUTER SCIENCE"-CREATIVE APPROACHES FOR EA...	ICERI2019 Proceed...	1.9.2023	
☐	☆ Starr, Christine R.; Anders...		"I'm a Computer Scientist!": Virtual Reality Experience Influences Stereotyp...	Journal of Science ...	7.9.2021	
☐	☆ Szameitat, André J.; Ham...	2015	"Women are better than men"—Public beliefs on gender differences and oth...	PLoS ONE	29.11.2021	
☐	☆ Bradley, T.; Computing, L L...		A case study of learner interaction in technology-enhanced language learni...	journals.sagepub.com	3.11.2021	
☐	☆ Sabitzer, Barbara; Demarl...	2018	A congress for children and computational thinking for everyone	Proceedings of the ...	2.12.2019	
☐	☆ Sabitzer, B.; Demarle-Meu...	2018	A congress for children and computational thinking for everyone	ACM International ...	9.9.2021	
☐	☆ Sabitzer, Barbara; Demarl...	2018	A congress for children and computational thinking for everyone	Proceedings of the ...	3.11.2022	
☐	☆ Sabitzer, Barbara; Demarl...	2018	A congress for children and computational thinking for everyone	Proceedings of the ...	1.9.2023	
☐	☆ Sabitzer, Barbara; Demarl...	2019	A COOL lab for teacher education	Teacher Education f...	3.11.2022	
☐	☆ Sabitzer, Barbara; Demarl...	2019	A COOL lab for teacher education	Teacher Education f...	1.9.2023	
☐	☆ Sabitzer, Barbara; Demarl...	2019	A COOL Lab for Teacher Education	Teacher Education f...	2.12.2019	
☐	☆ Antonitsch, Peter K; Gigac...	2013	A media-reduced approach towards informatics at primary level	Proceedings of the ...	2.12.2019	
☐	☆ Antonitsch, P.K.; Gigacher,...	2013	A media-reduced approach towards informatics at primary level	ACM International ...	9.9.2021	
☐	☆ Antonitsch, Peter K; Gigac...	2013	A media-reduced approach towards informatics at primary level	Proceedings of the ...	1.9.2023	
☐	☆ Sabitzer, Barbara	2014	A Neurodidactical Approach to Cooperative and Cross-curricular Open Lear...	Habilitation. Alpen...	1.9.2023	

Chat with Papers: AskYourPdf & ChatPDF

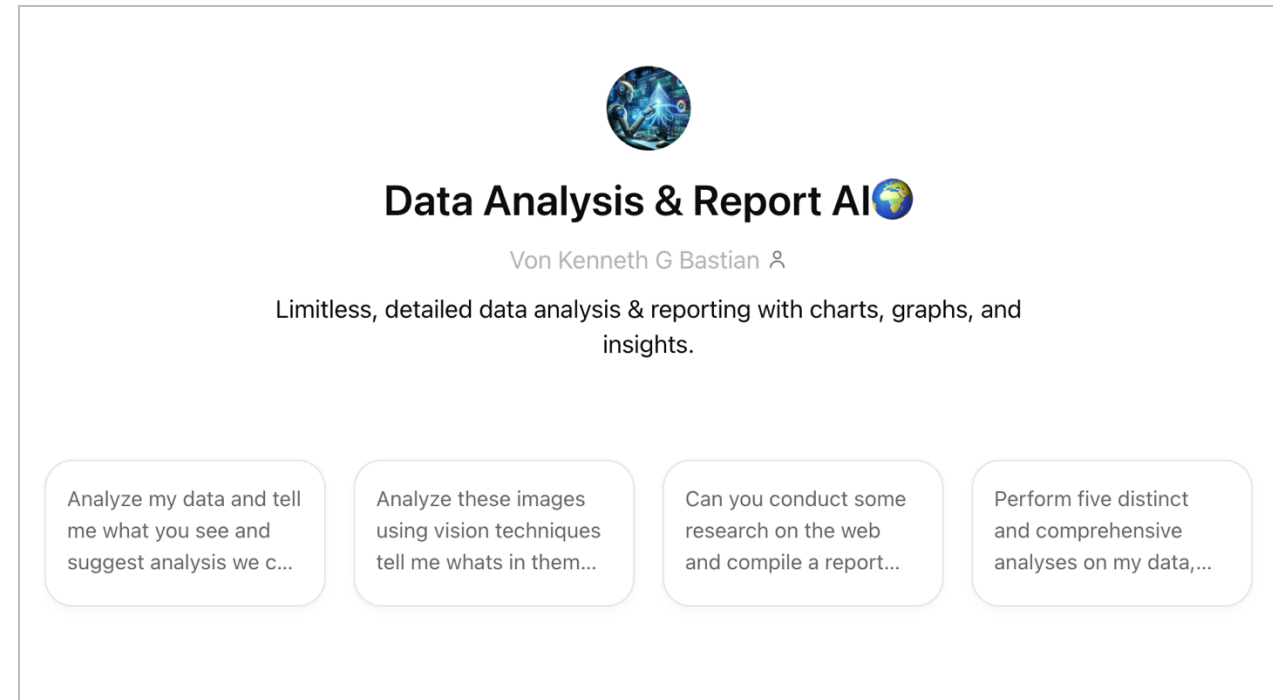


Chat with all Sources & Notetaking: NotebookLM

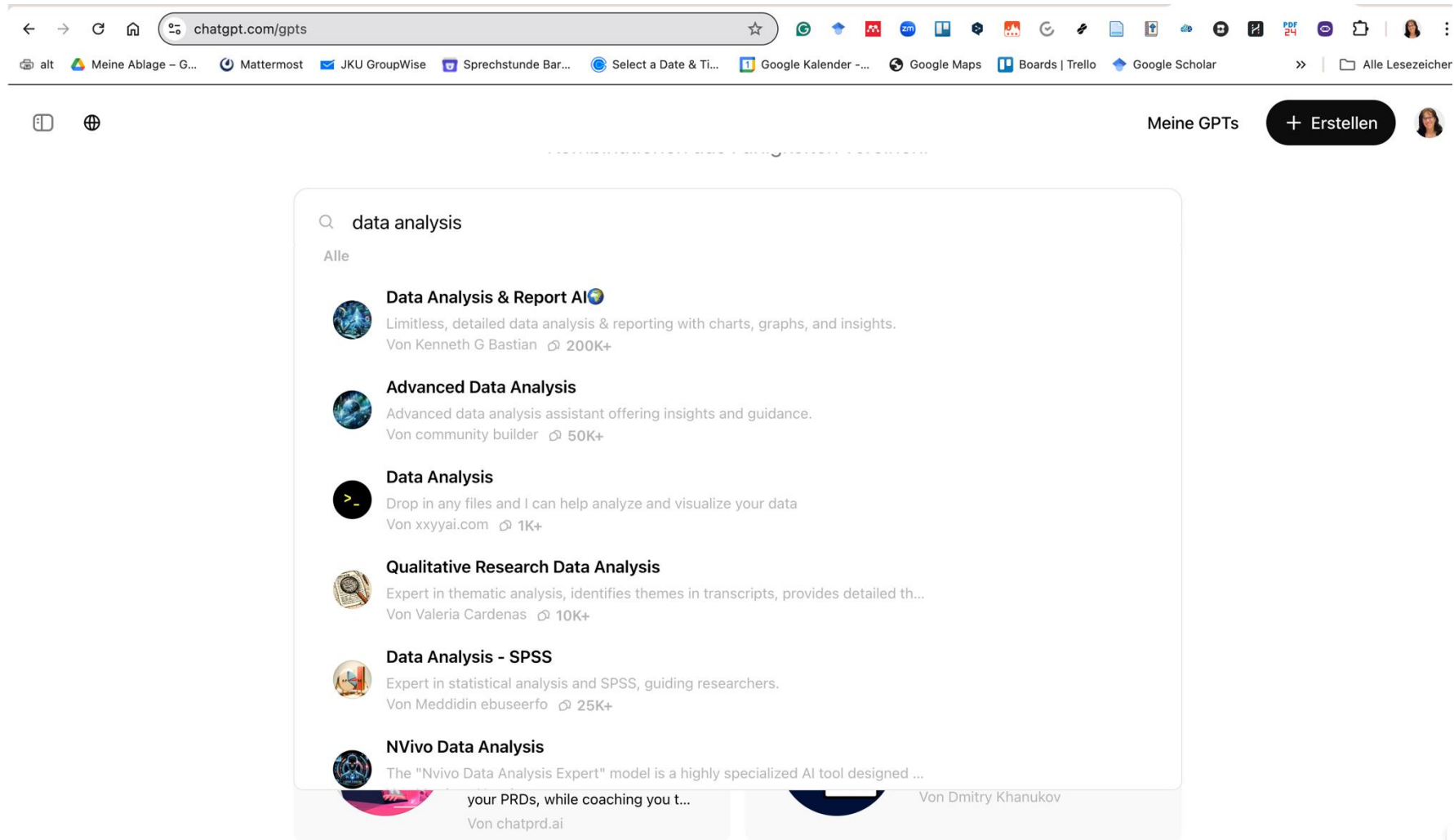


Analysing Research DAta

- Extract & analyze data from pdf
 - AskYourPdf or SciSpace
 - Create knowledge Base
 - Extract and analyze across several documents at the same time
- ChatGPT & Excel
 - Upload Excel Sheet
 - Analyze with ChatGPT or
 - CustomGPT [Data Analysis & Report AI](#)



Data Analysis



Academic Writing: ChatGPT & Jenni.ai

👋 What are you writing today?

How to use GenAI in Higher Education
useful tools, best practices, GenAI in teaching and in research, ethical considerations

Great prompt: Jenni will reference this when generating text

Generate outline

☐  **No outline**
Start with a blank document

☐  **Standard headings**
Add standard headings (Introduction, Methods, Results etc.)

☒  **Creative headings**
AI will generate headings based on your document prompt



Barbara Sabitzer

Harnessing the Potential of Generative AI in ...

[See Pricing](#)

[Export](#)



[AI Chat](#)

[Library](#)

[Sources](#)

[Collections](#)

Harnessing the Potential of Generative AI in Higher Education

Using Generative AI to Enhance Teaching and Learning

Generative AI has the potential to revolutionize higher education by providing innovative tools and strategies to enhance teaching and learning (Łodzikowski et al., 2024) (Kadaruddin, 2023).

[Accept](#)

[Try Again](#)

[Shift + →](#)

Integrating Generative AI into Course Curriculum

Leveraging Generative AI for Research and Collaboration

[Cite](#)

[Text](#)



147 words

GenAI & Digital Tools in Education



Build your research engine

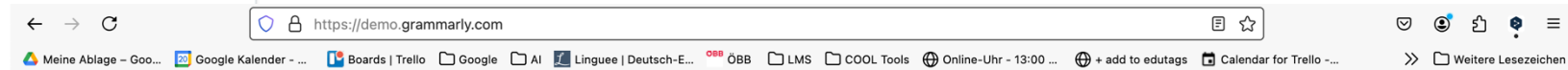
Jenni will automatically cite your library sources while writing. Upload PDF or .bib files to get started.

[Upload Sources](#)

[Import .bib](#)



Language Tools: DeepL & Grammarly



Demo document

The basics

Mispellings and grammatical errors can effect your credibility. The same goes for misused commas, and other types of punctuation. Not only will Grammarly underline these issues, it will also showed you how to correctly write the sentence.

But wait...there's more?

When a clarity issue has been spotted by Grammarly, you'll find suggestions that can possibly help you revise a wordy sentence in an effortless manner.

Grammarly will also inspect your vocabulary carefully and suggest the best word to make sure you don't have to analyze your writing too much.

Grammarly can also help when you wanna refine ur slang use and formality level. That's especially useful when writing for a broad audience ranging from businessmen to friends and family. don't you think?

17 All alerts

• SPELLING

Mispellings → Misspellings

If you don't want **Mispellings** to be marked as misspelled in the future, you can add it to your personal dictionary.

• effect · Correct your spelling

• commas, · Remove the comma

• punctuation · Remove a space

• , · Add the word(s)

• showed · Change the verb form

♦ to correctly write the sentence · Unsplit the infinitive

Overall score **42**
See performance

Goals
3 of 5 set

All alerts

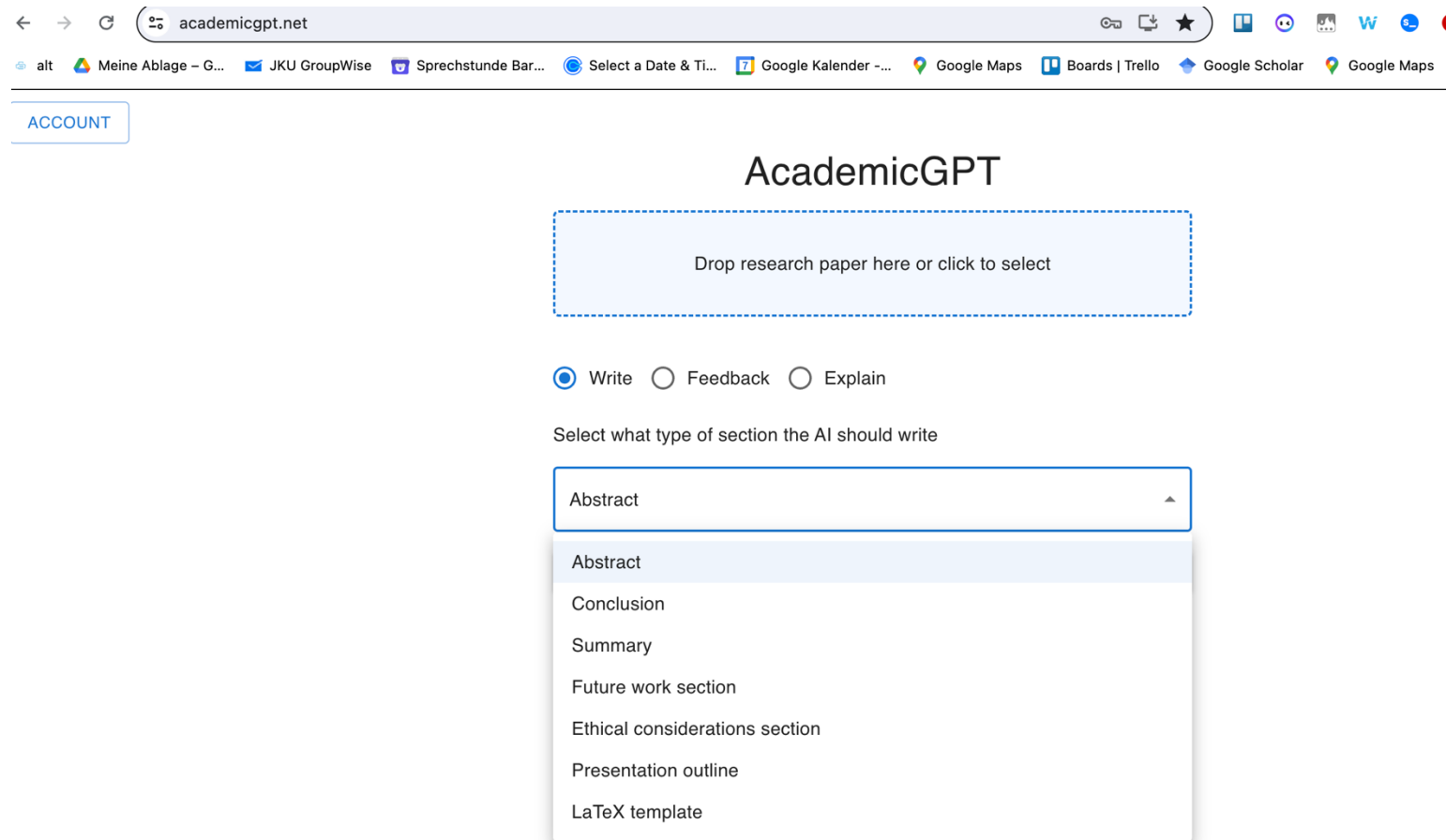
Correctness
8 alerts

Clarity
A bit unclear

Engagement
A bit bland

Delivery
Very off

Feedback & Review: AcademicGPT



The screenshot shows the AcademicGPT web interface. At the top, there is a browser address bar with the URL 'academicgpt.net'. Below the address bar, there is a navigation bar with various icons and links. On the left side of the page, there is a button labeled 'ACCOUNT'. The main heading is 'AcademicGPT'. Below the heading, there is a large dashed blue box with the text 'Drop research paper here or click to select'. Underneath this box, there are three radio buttons: 'Write' (selected), 'Feedback', and 'Explain'. Below the radio buttons, there is a text prompt 'Select what type of section the AI should write'. A dropdown menu is open, showing a list of section types: 'Abstract', 'Conclusion', 'Summary', 'Future work section', 'Ethical considerations section', 'Presentation outline', and 'LaTeX template'.

academicgpt.net

alt Meine Ablage – G... JKU GroupWise Sprechstunde Bar... Select a Date & Ti... Google Kalender –... Google Maps Boards | Trello Google Scholar Google Maps

ACCOUNT

AcademicGPT

Drop research paper here or click to select

☒ Write ☐ Feedback ☐ Explain

Select what type of section the AI should write

Abstract

- Abstract
- Conclusion
- Summary
- Future work section
- Ethical considerations section
- Presentation outline
- LaTeX template

Meeting Minutes: MeetGeek & TL;DV

The screenshot displays the MeetGeek website interface. At the top, the browser address bar shows 'meetgeek.ai'. Below it, a navigation bar includes links for Home, Use Cases, Features, Resources, Integrations, and Pricing, along with buttons for Login, Sign Up For Free, and Request Demo. The main heading reads 'Meeting Productivity. Reimagined.' Below this, a dark blue section highlights 'AI Meeting Minutes' with a sub-header 'NOW FOR 20+ LANGUAGES'. The text describes the AI's ability to generate meeting summaries with action items and highlights. A 'Learn more' button is provided. To the right, a preview of a meeting summary for 'Marketing Sync' is shown, including details like the date, attendees, and a list of next steps and topics.

meetgeek.ai

Ablage – G... JKU GroupWise Sprechstunde Bar... Select a Date & Ti... Google Kalender –... Google Maps Boards | Trello Google Scholar Google Maps

MeetGeek Home Use Cases Features Resources Integrations Pricing Login Sign Up For Free Request Demo

Meeting Productivity. Reimagined.

NOW FOR 20+ LANGUAGES

AI Meeting Minutes

Get an AI meeting summary that includes action items and highlights the most important topics for you. Save time by never having to write follow-up notes again.

[Learn more](#)

Keely Taylor shared *Marketing Sync* notes with you

Date: Tuesday, 14th March 2023, 09:03 - 10:25 CET
Attendees: Keely Taylor, Liam Mathews, Emilia Saez, Ryan Kellan

Meeting Summary [View meeting](#)

During the meeting, the team discussed two main topics: creating an affiliate community in Slack and structuring the content plan for that community. Additionally, they highlighted the importance of syncing up with the sales team to get customers' feedback on new features.

Next Steps

- Liam will conduct a poll among affiliates to gather feedback.
- Keely should estimate the cost of switching the platform from Discord to Slack.
- Liam and Emilia will share the feedback from the sales team as soon as they receive it.
- Everyone should follow up on their tasks in Notion by Friday.

Topics & Highlights

- Discussing affiliates and Slack community
 - Keely suggests using a different platform to manage the community instead of Discord, with the goal of improving member engagement and interaction.
 - Ryan had a demo call with Pluto company, and they suggested switching to Slack as it increased their engagement by 130%.

Transcribe: TurboScribe

TurboScribe PRICING FAQs BLOG LOG IN SIGN UP

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SAVE 50 %

OR

20 \$ / month
20 \$ billed monthly
≈ 18,21 € billed monthly ⓘ

Upload audio & video files

goals and responsible for P&L and things like that?

(27:04) Or what does that generally look like when they start to own revenue?

Speaker 1
(27:08) There's two ways that you can own revenue.
(27:12) Revenue stream number one will be your self-serve revenue. (27:15) If there's self-serve revenue, that means product is selling literally itself.

(27:21) So yes, there has to be somebody in product that

Session 6-Q&A

⏮ -48:57 🔊 ⚙

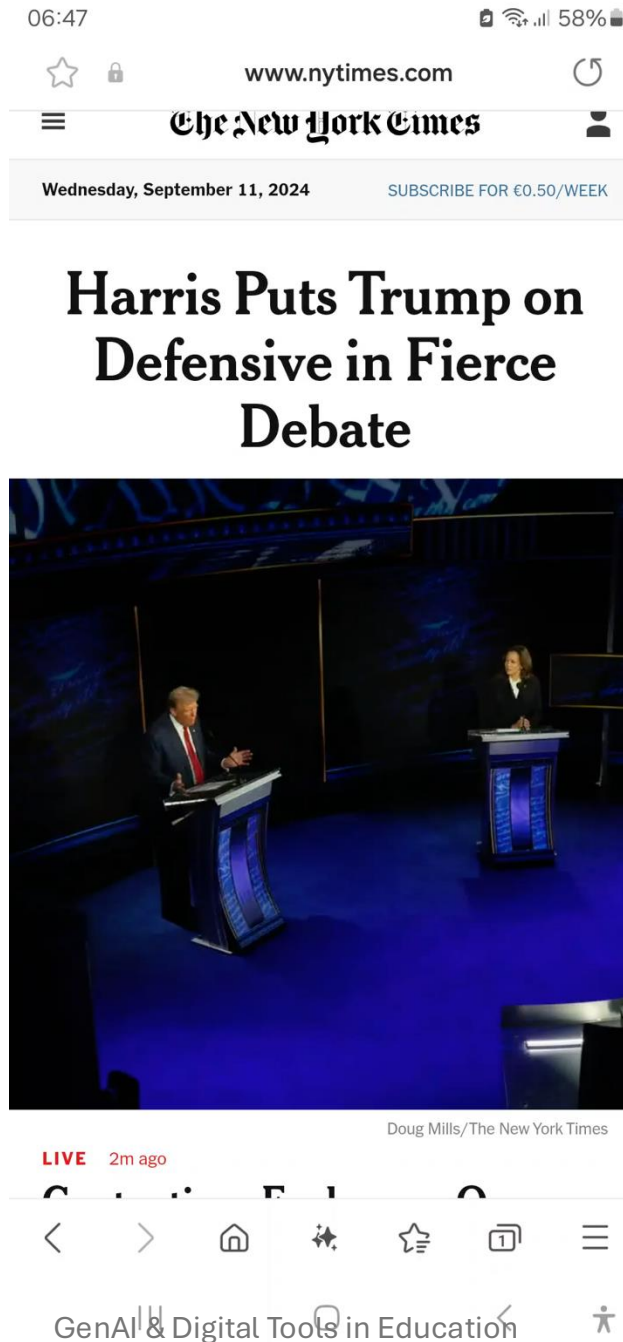
Get transcripts in seconds!

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Useful Apps for Android & iOS

Samsung AI (Android)



Recognizing Handwriting: Nebo App

Sprachen lernen mit KI

1. Einstieg

2. Anwendungsmöglichkeiten

3. Tools

4. Best Practice

4. Best Practice

Erklärung

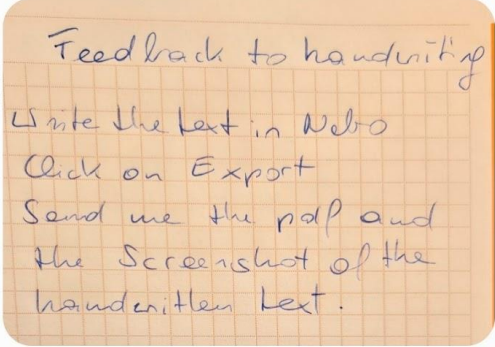
Sprachen lernen mit KI bietet innovative Ansätze zur Verbesserung des Spracherwerbs.

1. Einstieg: KI-gestützte Lernplattformen erleichtern den Zugang zu Sprachressourcen.
2. Anwendungsmöglichkeiten: Interaktive Übungen, personalisierte Lernpläne und Echtzeit-Übersetzungen.
3. Tools: Apps wie Duolingo, Babbel und Rosetta Stone nutzen KI für effektives Lernen.
4. Best Practice: Regelmäßige Nutzung, Kombination von Hör-, Lese- und Sprechübungen.

Hinweis: KI-generierte Inhalte können ungenaue Informationen enthalten.

Recognizing & Correcting Handwriting: ChatGPT

 ChatGPT 4o  



Extract the text

 Here is the extracted text from the image:

Feedback to handwriting

- Write the text in Nebo
- Click on Export
- Send me the pdf and the screenshot of the handwritten text.

Improve the text

 Here's an improved version of the text for better clarity and structure:

Handwriting Feedback Instructions

1. Write the text using Nebo.
2. Export the text as a PDF.
3. Send me both the PDF and a screenshot of the handwritten text.

This version improves readability and flow, while making the instructions more concise and clear.

Nachricht

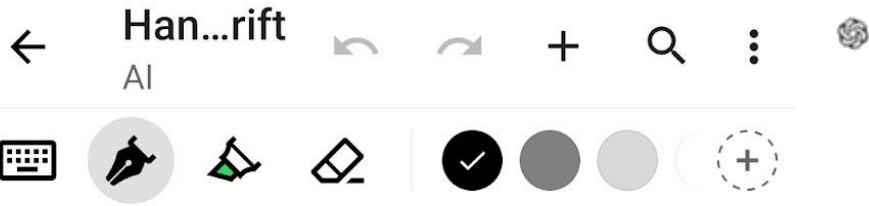
 

Nebo

+

ChatGPT

Korrigiere den Text



In mio tempo
libero mi
piace vado a
miei amici. Ho
molti tempo
libero.

Barbara Sabitzer

Der Text auf dem Bild lautet:

"In mio tempo libero mi piace vado a miei amici. Ho molti tempo libero."

Korrigierte Version:

"Nel mio tempo libero mi piace andare dai miei amici. Ho molto tempo libero."

Erläuterung:

- "In mio tempo libero" wurde zu "Nel mio tempo libero" korrigiert, da im Italienischen "nel" (in + il) verwendet wird.
- "mi piace vado" wurde zu "mi piace andare" korrigiert, da das Verb "piacere" mit dem Infinitiv steht, nicht mit einer konjugierten Form.
- "miei amici" ist korrekt.
- "molti tempo" wurde zu "molto tempo" korrigiert, da "tempo" ein Singularwort ist und somit "molto" benötigt.



Tools & Links

- ChatBots

- ChatGPT <https://chatgpt.com/>
- Claude <https://claude.ai/>
- Harpa <https://harpa.ai/> (Chrome extension)
- Perplexity <https://www.perplexity.ai/> (anonymous)
- Neuroflash <https://neuroflash.com/> (DSGVO / GDPR)
- CoPilot <https://copilot.microsoft.com/> (+pictures)
- NotebookLM <https://notebooklm.google.com/> (+podcast)
- AskYourPdf <https://askyourpdf.com/> (+pptx, txt, csv...)
- Character.ai <https://character.ai/>

- Platforms for the classroom

- Magic School <https://www.magicschool.ai/>
- Fobizz <https://fobizz.com/>
- Teachino <https://www.teachino.io/>

- Languages

- DeepL <https://www.deepl.com/translator>
- Grammarly <https://www.grammarly.com/> (English grammar)
- SpeakPal <https://talk.speakpal.ai/>

- Multimedia

- To teach <https://to-teach.ai/> (worksheets)
- Canva https://www.canva.com/de_de/magic/ (design)
- Gamma <https://gamma.app/> (presentations)
- Elevenlabs <https://elevenlabs.io/> (Text-to-Speech)
- Lukas Video Creator <https://www.idomoo.ai/>
- Invideo <https://studio.invideo.io/>
- Visla <https://www.visla.us/> (videos)
- Guidde <https://www.guidde.com/> (step-by-step)
- EdApp <https://www.edapp.com/> (online-courses)
- Suno <https://suno.com/> (create songs)
- Ideogram <https://ideogram.ai/> (create pictures)

- Literature & Research

- Scispace <https://typeset.io/>
- Scite <https://scite.ai/>
- Elicit <https://elicit.org/>
- AcademicGPT <https://academicgpt.net/> (review)
- Fiete <https://www.fiete.ai/> (Feedback)

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