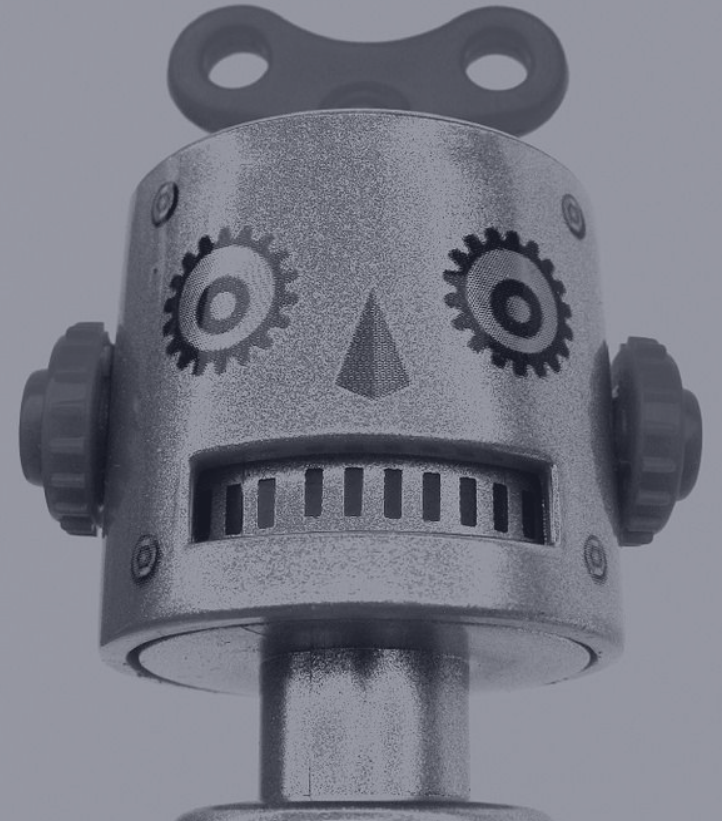# *ChatGPT, Other Fantastic Beasts and Where to Find Them:*
Implications of GenAI for Teacher Education

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Peter Bannister (peter.bannister@unir.net)
Universidad Internacional de La Rioja (Spain)

Elena Alcalde Peñalver (e.alcalde@uah.es)
Universidad de Alcalá (Spain)

*Alexandra Santamaría Urbieta
(alexandra.santamaria@unir.net)*
Universidad Internacional de La Rioja (Spain)

**The Future of
English Language
Teaching Conference**

TRINITY COLLEGE LONDON   REGENT'S UNIVERSITY LONDON

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Introduction

Generative AI and Education

All spheres of education are currently finding their feet when it comes to the continuing explosion of GenAI.

As teacher trainers, are we really well-placed to determine the direction of travel on this at present? How are we to prepare pre-service teachers for the unknown challenges of the future?

Large language models (LLMs) per se are NOT a new phenomenon.

English as a Medium of Instruction (EMI) contexts have long been acquainted with a far less mediatic predecessor: machine translation (Groves and Mundt, 2021).

Objectives

**The objectives and central themes of today's session are:**

1 **GenAI Apps for Teacher Education Pedagogical Enhancement**

3 **Dipping a Toe into the GenAI Waters beyond ChatGPT**

2 **Getting to Grips with Prompt Engineering**

4 **Wider Issues and Concerns**

GenAI and English Language Instruction

Sharagah and Sa'di (2022) offer an insightful systematic review of studies published between 2015 and 2021 that address the implications of AI for English language teaching and learning.

Yeo (2023) and Johinke (2023) underline GenAI-induced concerns regarding authorship and academic integrity in L2 writing instruction.
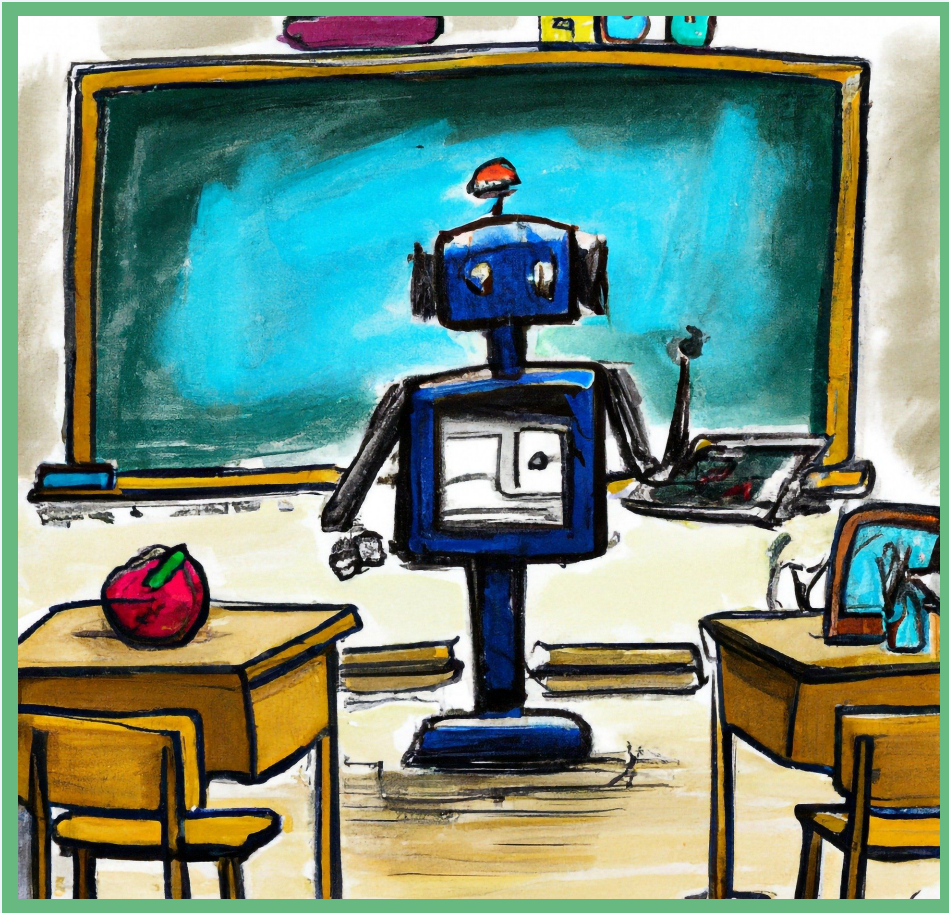
GenAI and Pedagogy

The implications of this phenomenon are different for each target domain, which means generic guidelines may not take into account the specific future needs in the differing pedagogical settings of our pre-service tutors.

Substantial GenAI developments far outpace our ability to document and gauge expert consensus.

Back to the drawing board on many counts (Bannister et al., forthcoming).

GenAI and Student Learning

Documented student concerns in different settings as to educator knowledge, skillset, and ability to fully prepare them effectively for the GenAI - dominated world of tomorrow (or today?) (Banihashem et al., 2023).

A smoking gun in students hands?

GenAI as 'learning assisstant' as opposed to educator replacement (Chen et. al, 2023; Odden et al., 2023).

ChatGPT and Other Fantastic Beasts for English Language Teaching

The field of English Language Teaching (ELT) has witnessed remarkable advancements in recent years, driven by technological innovations and the integration of artificial intelligence (AI) tools.

Among the many AI applications that have emerged, ChatGPT stands out as a powerful language model that can significantly enhance the teaching and learning experience.

Are there any other tools?

There are many more tools apart from ChatGPT,
do you know them all?
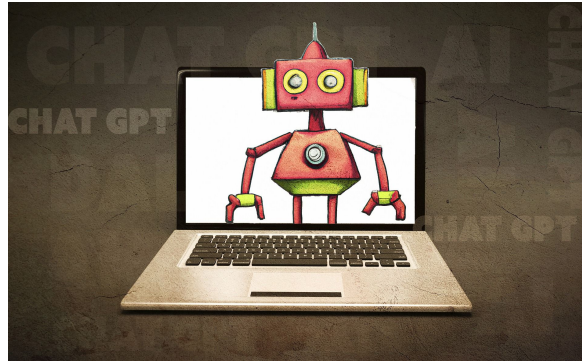


Materials Development

Classroom Practice

Assessment

Materials Development

€ Freemium

1 ## CURIPOD

- Lesson plans in seconds
- Introduce the topic, grade, learning objectives and standards
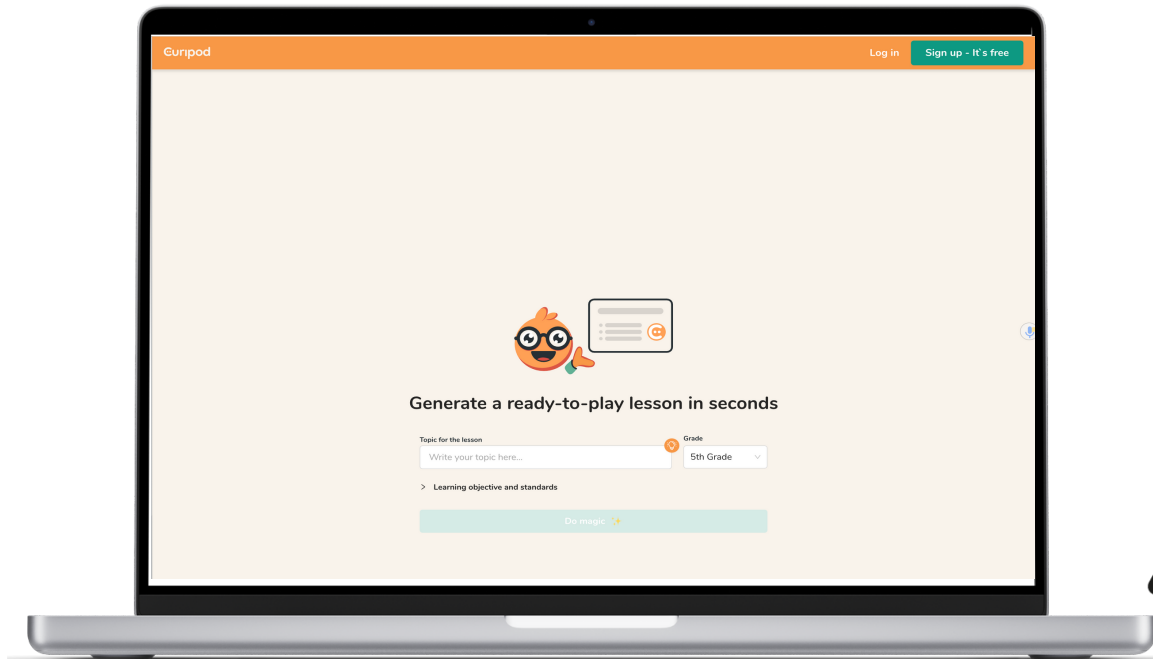
Materials Development

2 **COPILOT**

- Education Copilot is an AI-driven platform designed to streamline lesson planning and material creation for educators.
- AI lesson planner, educational handouts, supports English and Spanish,...
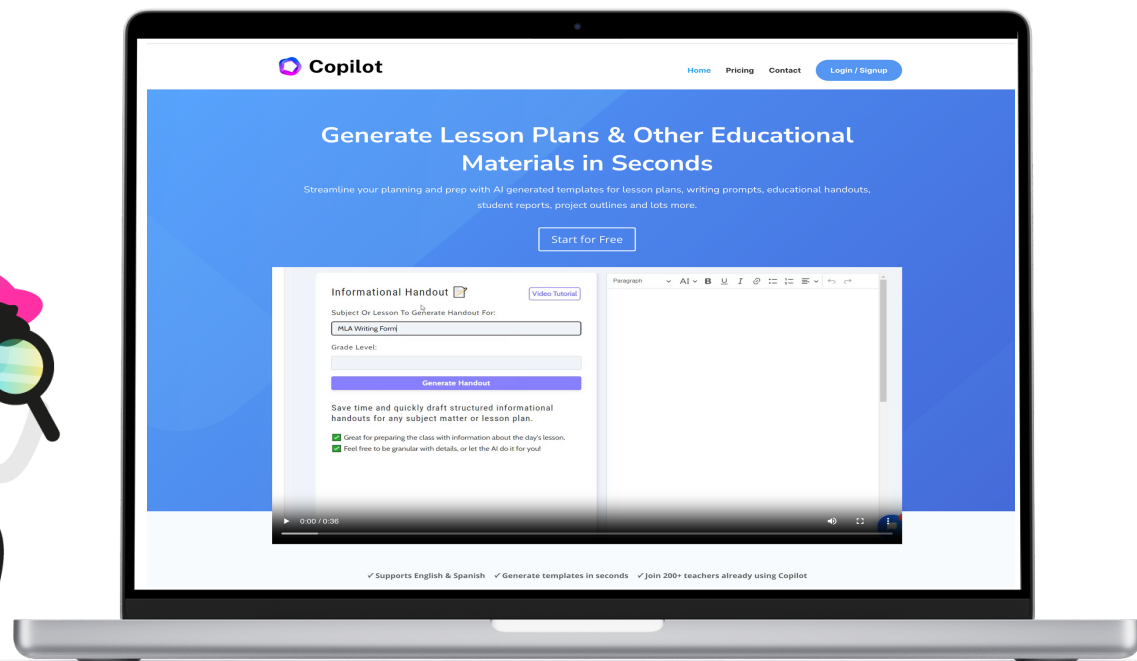
Materials Development

3 ROSHI

- Roshi AI is an online platform that helps teachers create learning materials from online content, simplifies text, generates questions, and saves time for educators at all levels.

- One of the key features of Roshi AI is "Lessons in 1 Click" which allows teachers to create lessons with a single click, using any online content such as Youtube videos or articles
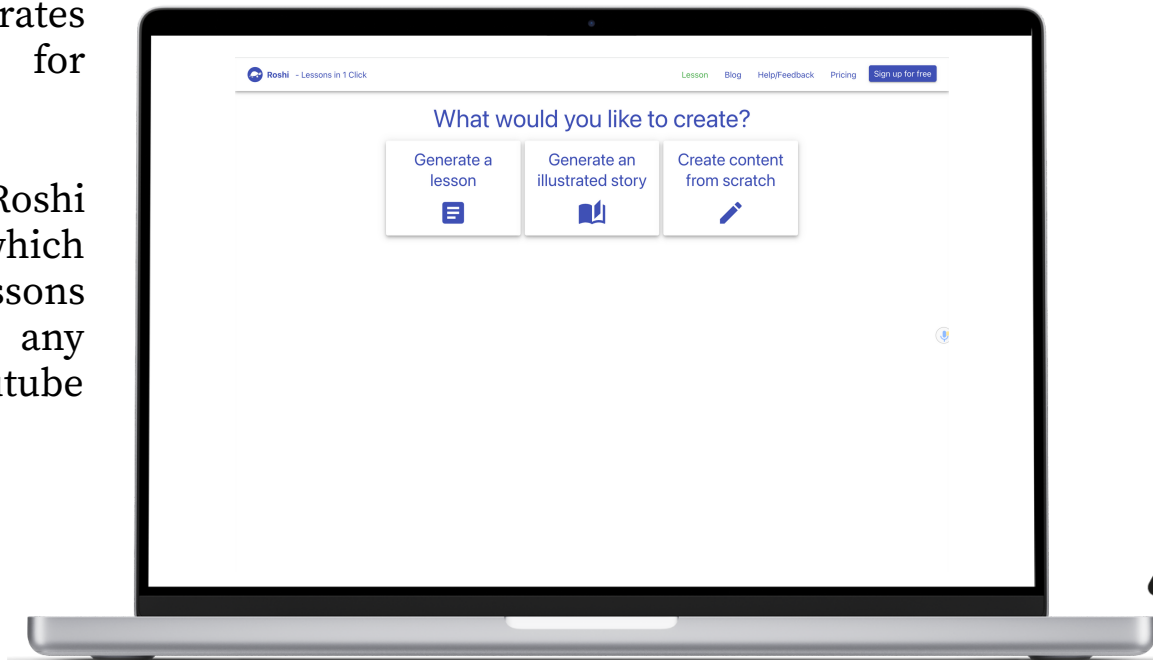
What would you like to create?

| Generate a lesson | Generate an illustrated story | Create content from scratch |

Are there any other tools?

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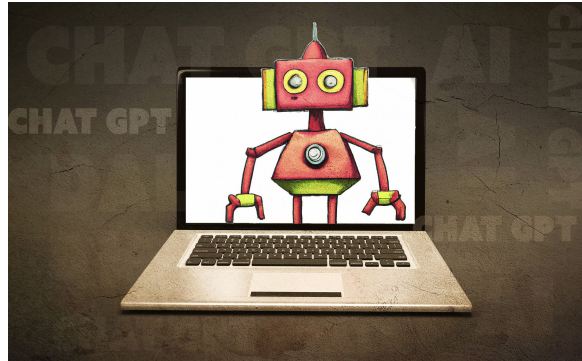
Materials

Development

Classroom

Practice

Assessment

Classroom Practice

1 SPEAKER COACH

- It is a Microsoft Power Point's feature that helps users practice their presentations and improve their public speaking skills.
- AI-powered feature that listens to the user while they practice a presentation out loud and analyzes what they're saying.
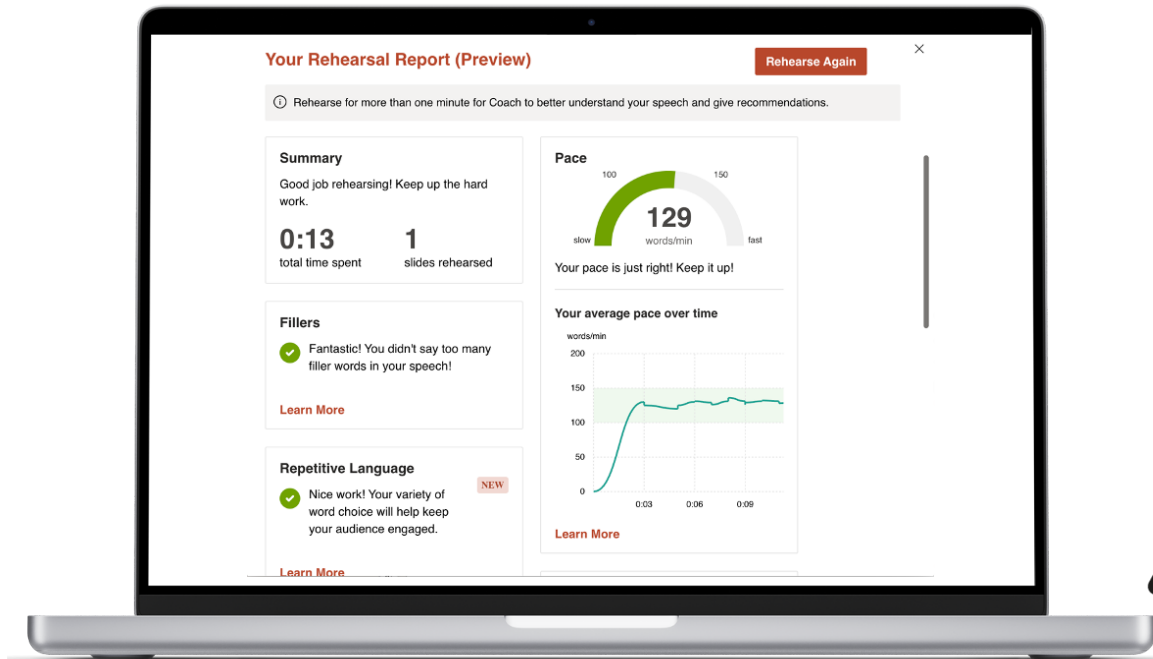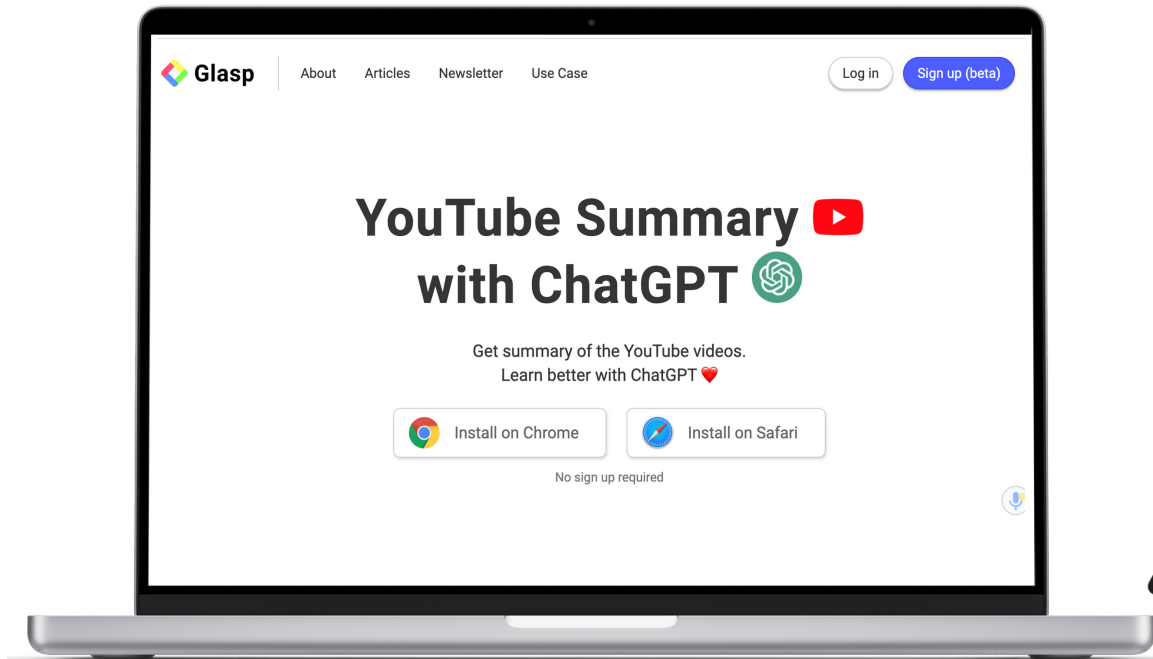
Classroom Practice

€ Free

2 **CONKER**

- AI-powered quiz creation platform that allows users to create quizzes and formative assessments quickly and easily.
- Online platform, fast and easy to use, engaging quizzes, easy to share.
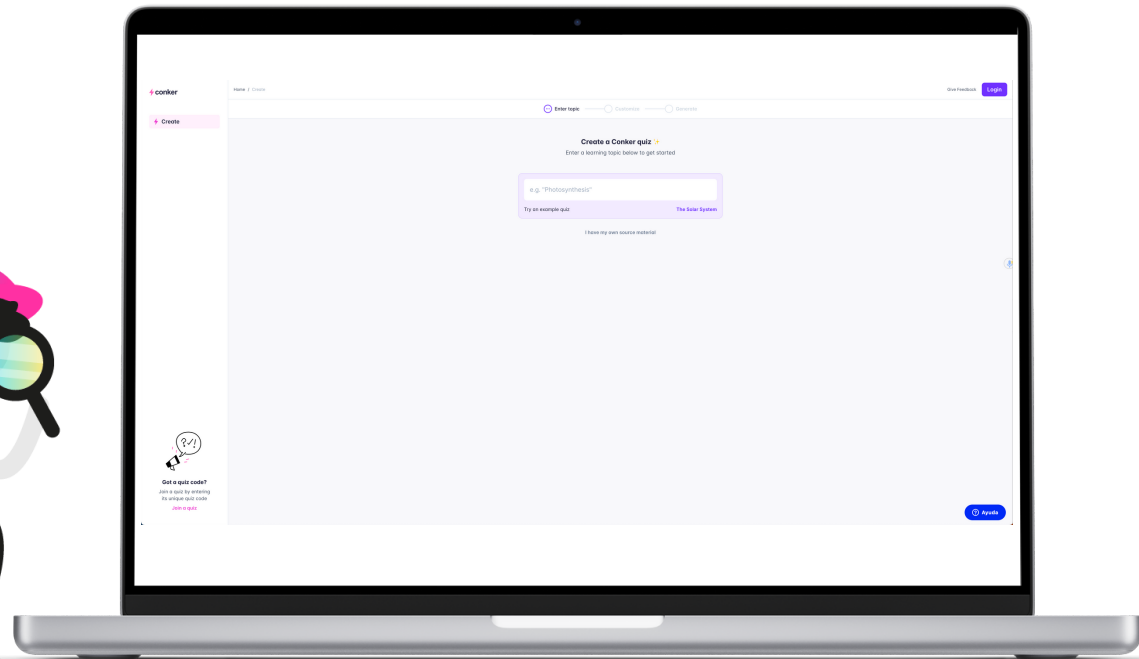
Classroom Practice

Free

3 GLASP

- Glasp YouTube Summary is a free Chrome extension that allows users to quickly access the summary of YouTube videos and web articles they are consuming.
- Powered by ChatGPT AI technology

Classroom Practice

€ Free

4 PERPLEXITY

- Perplexity AI is an answer engine that focuses on advancing how people discover and share information.
- It is based on OpenAI's GPT technology but is trained specifically as a chatbot.
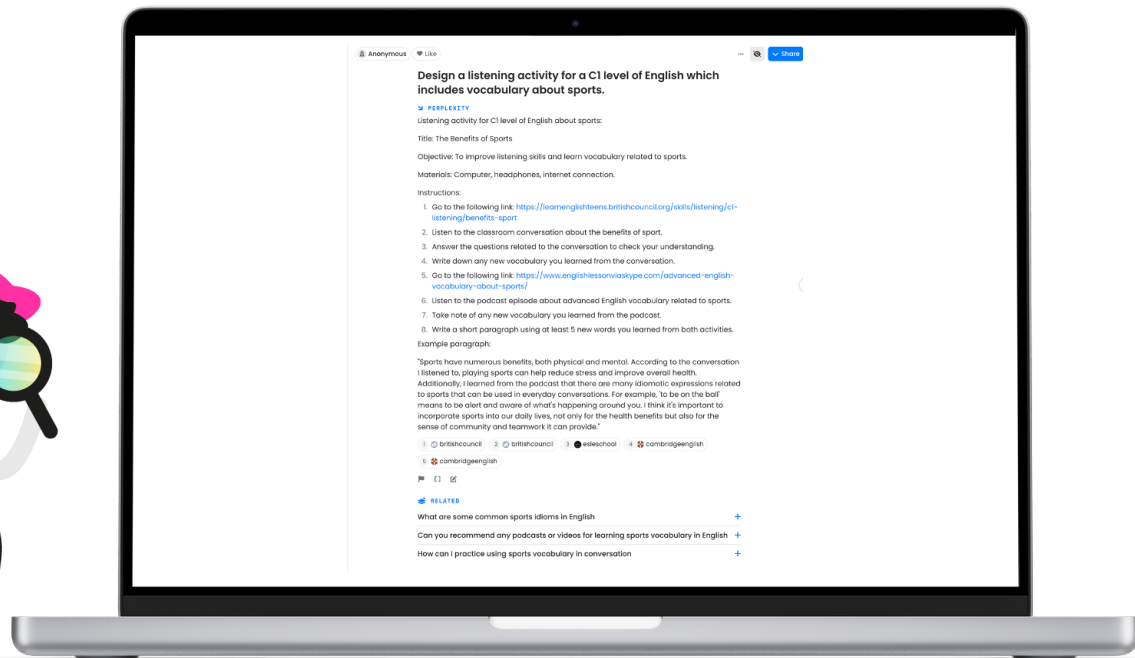
Classroom Practice

5 HELLO HISTORY

- Hello History is an AI-powered app that allows users to have life-like conversations with historical figures.
- The app uses state-of-the-art AI technology (GPT-3) to bring historical figures to life and make the conversations feel authentic.
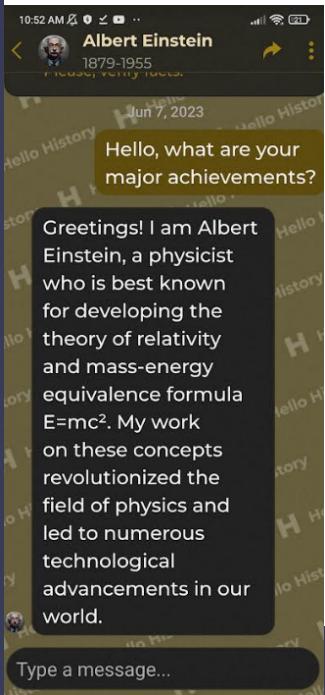
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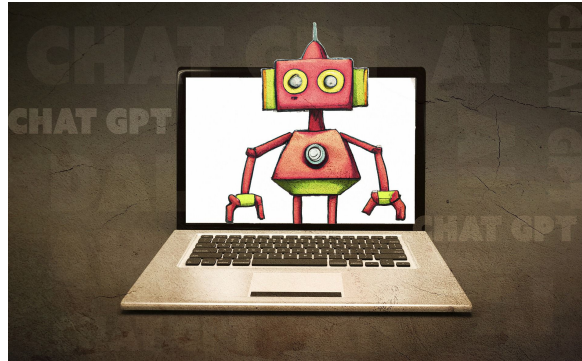
Materials
Development

Classroom
Practice

Assessment

Assessment

1 gotFeedback

- Choose which type of feedback you want to give your students.

- Upload a file (word or pdf) or paste the text and the AI-powered tool will provide the feedback you need.

Assessment

€ Freemium
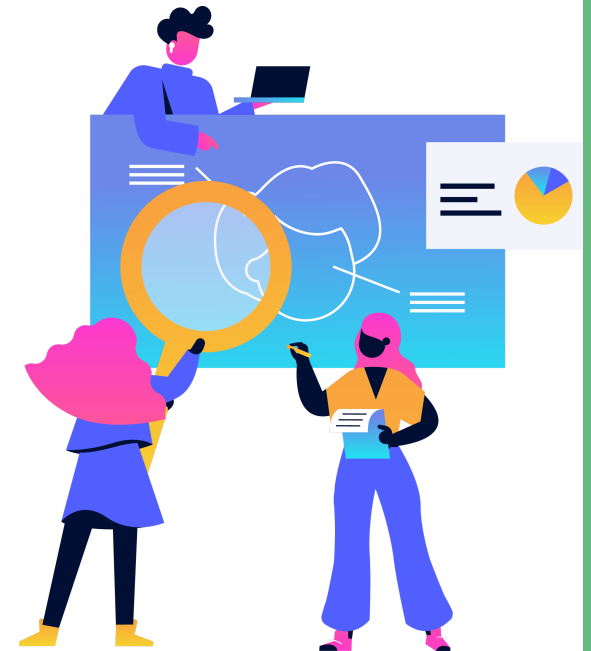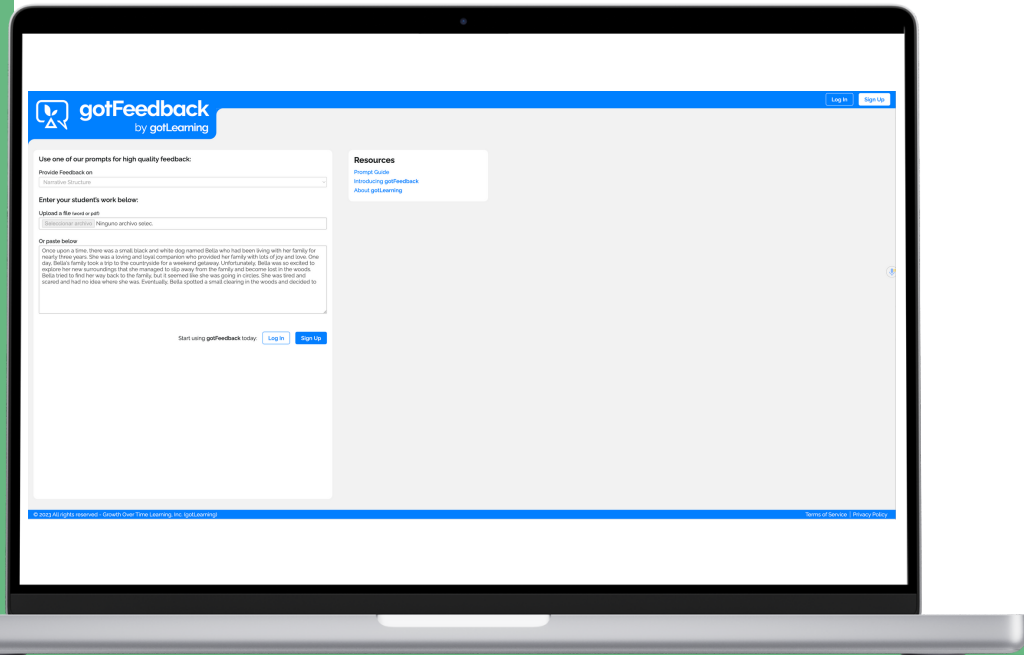
2 **GPTZero**

- GPTZero is an AI detection tool designed for educators and organizations that can detect various AI models like ChatGPT, GPT3, GPT4, Bard, and more.
- The tool offers features such as plagiarism scores, highlighting AI-generated portions of documents, and batch uploads for classrooms.

GPTZero

The World's #1 AI Detector with over 1 Million Users

Detect ChatGPT, GPT3, GPT4, Bard, and other AI models. Try it for yourself 👇

| GPT3 | GPT4 | CHATGPT | BARD | HUMAN | AI + HUMAN |

Type in the text you want to check for AI involvement (minimum 250 characters)

0/5000

or, choose a file to upload

SELECCIONAR ARCHIVO Ning...elec.

Accepted file types: pdf, docx, txt

○ I agree to the terms of service

GET RESULTS

Hands-on activities

Join us in this AI journey

PDF ChatBot   Parlay Genie   Prompts   Boom

Scenarios A & B

A. I have designed one exam model, and I need three more models.

B. I have read a text , and I want you to ask me questions about it.

Can you help me?

ChatPDF
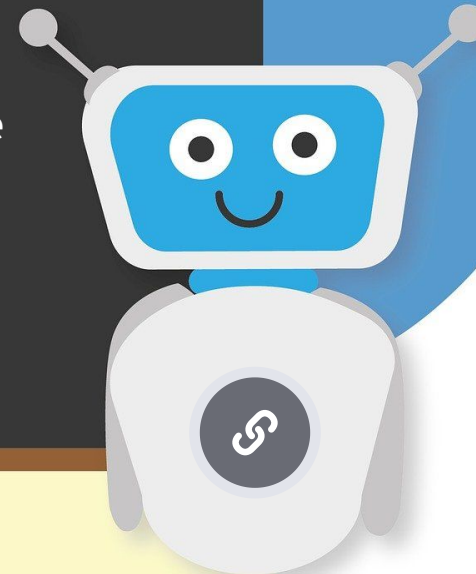
Scenario C

I would like to prepare some discussion questions for my students as a follow-up activity after they have watched a video.

Which tool can I use?

Parlay Genie

Parlay Genie

Input

Output

Scenario D

Do you take the most out of ChatGPT for your classes? Why not make use of "prompts" correctly to create materials?

**ChatGPT
Perplexity**
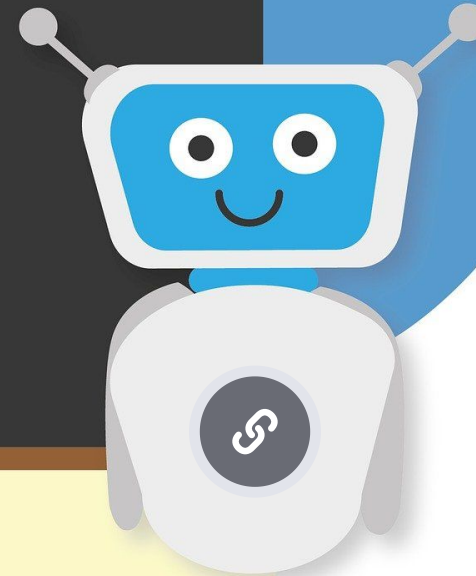
ChatGPT

Examples

Capabilities

Limitations

"Explain quantum computing in simple terms" →

Remembers what user said earlier in the conversation

May occasionally generate incorrect information

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

Allows user to provide follow-up corrections

May occasionally produce harmful instructions or biased content

"How do I make an HTTP request in Javascript?" →

Traine

Limited knowledge of world and events after 2021

Act as ESL Teacher. Write a 60-minute lesson plan to teach ESL students at B2 level about the third conditional in the context of a radio show. Use a game-based learning approach.

1

Take on the role of an expert academic writing tutor. You should revise my writing and ...de me with suggestions for improvement for a second draft. Use the Socratic feedback ...e. I need you to make six specific pieces of advice for my text. Do you understand?
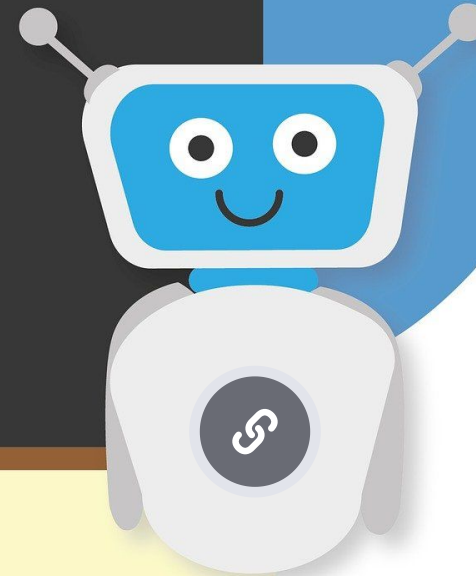
Send a message.

Scenario E

I want my students to use AI collaboratively in a game-based activity.

Are there any tools I can use?

Boom

Participate in an event

Event code [Join]

Choose a method to log in

Don't have an account? <u>Sign up</u>

@ Email

OR

OR

Log in with your institution

Only for institutions with a Custom Wooclap
subscription

Conclusions

- There are a wide range of lesser known AI-powered tools which can not only enhance the teaching-learning experience, but also to automate certain components and reduce teacher workload.

- However, this means that the role of the teacher educator needs to be re-examined and reaffirmed, and not relegated.

- The challenge we face to prepare future teachers who will be faced with a multitude of pedagogical settings is that GenAI gives way to a distinct set of challenges that teachers will need to identify.

- Therefore, it is of vital importance that we plant the seeds today so that our pre-service teachers have the foundations to build on as they continue forward in their professional careers.

Thank you!

Questions?

✉ Peter Bannister (peter.bannister@unir.net)
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