

Artificial Intelligence in Education

Types of AI

- **Generative AI:** creates original content (e.g., ChatGPT, Midjourney...)
- **Data analysis AI:** analyzes and interprets large datasets.
- **Text-based AI:** processes texts (e.g., translations, summaries).
- **Visual or sound AI:** creates or analyzes images, music and videos.



ChatGPT



HeyGen



Bard



Khanmigo



Midjourney

Lexica



DALL-E



Let's take a look to our AI tools

- Perplexity <https://www.perplexity.ai/>
- Diffit <https://app.diffit.me/>
- Algor <https://www.algoreducation.com/>
- Gamma <https://gamma.app/>
- Magic School <https://www.magicschool.ai/>

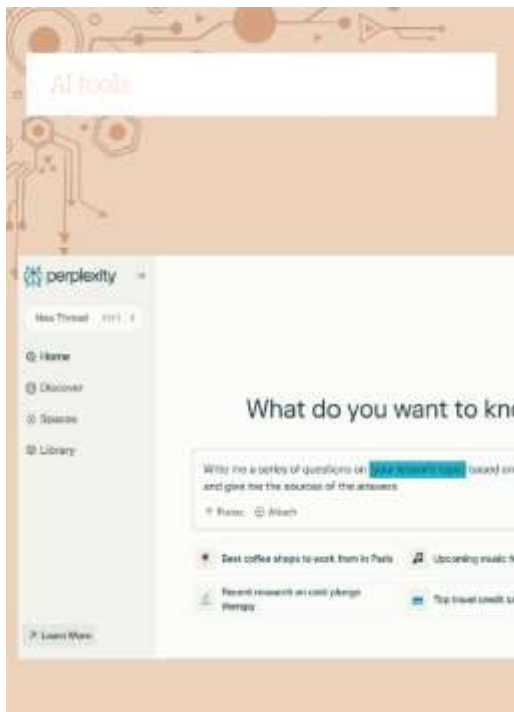
perplexity

Diffit
For Teachers

algor

MAGIC
SCHOOL

Gamma



Perplexity

A powerful AI tool designed to **provide answers** based on **academic** and **credible sources**. It allows users to upload their own files to create a custom dataset for research and analysis.

Perplexity is ideal for generating accurate **responses** and **insights** from **academic texts**, helping students explore scholarly topics and refine their research. Teachers can use it to provide evidence-based explanations or assist students in validating their findings.

Upload course materials or research articles to Perplexity and use its outputs to guide in-class discussions, create tailored quizzes, or support students in developing well-informed essays and projects.




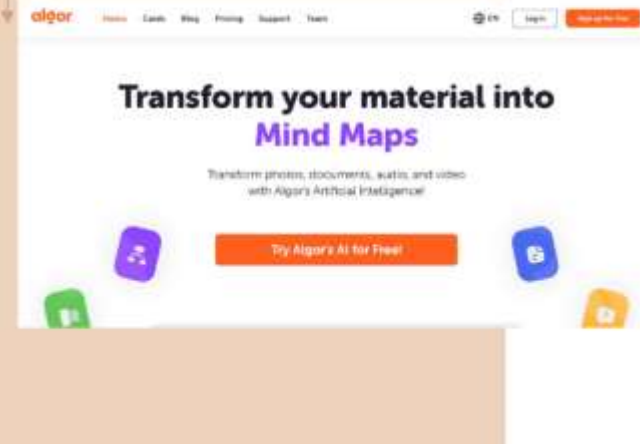
Diffit

A platform for generating **customized educational materials**, such as quizzes, summaries, and study sheets.

With Diffit, you can quickly create **differentiated resources** for students with varying skill levels or learning styles.

Use Diffit to prepare **pre-lesson ice breaker questions** or **post lesson exercises**, or give the students a **handout for work in groups and brainstorm**.

For example, after an explanation, assign a short quiz generated by Diffit to immediately assess understanding.


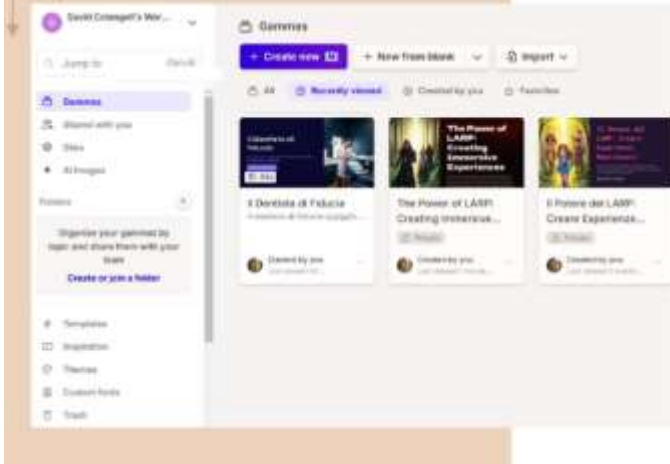



Algor

A platform that uses AI to create **conceptual maps** and **visual study tools**.

Algor helps turn complex texts into intuitive concept maps, making comprehension easier.

During a lesson, project a map created with Algor to **summarize** the main points and encourage student questions.





Gamma

An online tool for generating **slides** and **presentations** using AI.

Gamma simplifies creating engaging slides on a specific topic and helps students to **summarize complex lessons**.

You can quickly create summary slides on topics you have covered or will cover in class (as a review) or to explore topics you hadn't prepared in advance. You can use it to briefly introduce a topic or to provide formatted information in slides from notes and documents you have in PDF format.



Magic School

Magic School is an innovative AI-powered platform designed to **streamline lesson planning and delivery for teachers**.

It provides a comprehensive set of tools to **craft engaging, interactive, and customized educational materials**.

From lesson templates to adaptive learning activities, Magic School empowers educators to save time while enhancing student engagement and comprehension.



AI Tools Magic School

- Generate Presentations:** Create structured and engaging slide decks with visuals, tailored explanations, and custom themes.
- Text Review:** Improve text clarity with grammar corrections, style suggestions, and content analysis.
- Lesson Organization:** Develop detailed lesson plans with objectives, activities, timelines, and curriculum alignment.
- Write Quizzes:** Quickly design quizzes with various question types, adjustable difficulty, and export options.
- Generate Rubrics:** Create transparent assessment criteria with clear descriptions and point allocations.
- Summarize Videos:** Extract concise summaries, timestamps, and follow-up questions from video content.
- Write Feedback:** Craft personalized feedback, highlighting strengths and areas for improvement with actionable suggestions.
- ... and much more!**

AI Tools Magic School (for students)

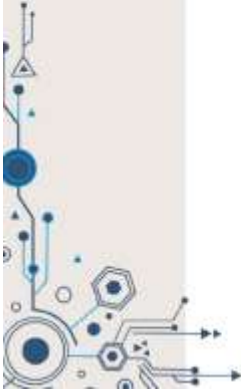
In Magic School, students have access to powerful tools designed to make **learning more engaging and effective**. Using the **"Launch to Students"** feature, teachers can generate a tailored virtual room filled with the tools students need for specific activities.

Here's a quick overview of the **available tools**:

- **Interactive Quizzes:** Create dynamic and personalized quizzes to test knowledge, reinforce learning, and make studying more enjoyable.
- **Study Assistants:** AI-powered helpers that simplify complex topics, explain concepts clearly, and assist with summaries or structured notes.
- **Idea Generator:** Spark creativity by generating ideas for projects, presentations, essays, or group activities, keeping students motivated and inspired.
- **Student Career Advisor:** Personalized guidance to help students explore career paths, educational opportunities, and personal growth goals.

... and much more!

With these tools, Magic School **empowers students to actively participate in their learning journey, fostering autonomy and engagement in every activity.**



6

Some AI tools for gamification

Magic School
Goosechase
Padlet for heritage games
Gimkit!



Magic School for Gamification

MagicSchool for Educators Tool Recommendations



Jeopardy Review Game

Create a jeopardy review game for a fun way to review content with students!



Jeopardy Review Game

This tool allows educators to create a fun, interactive game that can be used to review key concepts in a competitive format: the game is the famous "reverse question" game, you give an answer and the students must create a question that matches with your topic. It aligns perfectly with gamification strategies, encouraging student engagement and participation.



Make it Relevant!

Generate several ideas that make what you're teaching relevant to your class...



Make it Relevant!

This tool helps educators generate ideas that connect the curriculum to students' interests and backgrounds, enhancing the relevance of lessons. It can be particularly effective in creating game-based learning experiences that resonate with students if you prompt in the second line "make it as a game".

Magic School for Gamification

MagicSchool for Educators Tool Recommendations



Conceptual Understanding

Generate ideas about how to help your students build conceptual...



Conceptual Understanding

By entering a lesson topic, this tool generate exercises and experiments or metaphorical situations for students to do: it suggests games, scientific activities or research to make difficult topics conceptually comprehensible



Group Work Generator

Generate group work activity for students based on a topic, standard, or objective.



Group Work Generator

This tool generates group activities based on specific topics or objectives, promoting collaboration among students. Implementing game-based learning in group settings can foster teamwork and critical thinking skills.

Magic School for Gamification

MagicSchool for Students (MagicStudent) Tool Recommendations



Create a Skit!

Create a skit for class or for fun!



Create a Skit!

This tool allows students to create skits related to the curriculum, promoting creativity and understanding through performance. Educators can use this tool to facilitate collaborative projects that incorporate roleplay elements, making learning more enjoyable and interactive.



Character Chatbot

Chat with any historic figure, author, or recognizable character from a story.



Rap Battle or Character Chatbot

Students can engage in rap battles against or chat with historical figures or concepts being studied, allowing them to express their understanding in a fun and creative way. This aligns with game-based learning by making classroom interactions more dynamic and entertaining.



Rap Battle

Create a rap battle between famous figures in history.



Magic School for Gamification

MagicSchool for Students (MagicStudent) Tool Recommendations



Real World Connections

Generate real world examples for what you're learning about!



Real World Connections or Debate partner

This tool helps students generate examples of how their learning applies to the real world, enhancing understanding and relevance. With the tool Debate By connecting lessons to real-life scenarios, you can foster the narrative and the STEAM values with this playful experience.

Interactive scavenger hunts

Create delightful experiences for students

Inspired by scavenger hunts, Goosechase is an online platform that helps you create interactive experiences.

Get started

Goosechase for treasure hunts

<https://goosechase.com/>

GooseChase is a digital platform that enables users to create and participate in **interactive scavenger hunts**.

Designed for education, team-building, and events, it allows organizers to design custom missions—tasks requiring photos, videos, GPS check-ins, or text responses. Participants use the GooseChase app to **complete these missions in real time**, earning points and fostering engagement.

Interactive scavenger hunts like those powered by GooseChase are important because they encourage **collaboration, creativity, and active learning**. By blending fun with **problem-solving and technology**, they enhance **teamwork, motivation, and critical thinking skills** in classrooms, corporate environments, and community events.

Players have to download the app, and you cloud design the activity on your laptop, sending messages and giving points!

Interactive scavenger hunts

Goosechase for treasure hunts

<https://goosechase.com/>

My Experiences

Go to create experience

Getting Started with Goosechase

Use this template as a starting point for creating your very own experience! We've included a few Mission cards to help you get inspired. Feel free to modify or delete them if you wish!

Start

Go to create experience

Fill in with scavenger hunt **name** and **description**

Interactive scavenger hunts



Goosechase for treasure hunts

<https://goosechase.com/>

Now go to **Add Mission**, on the side you will see the high score and other statistics,

Fill in with scavenger hunt **name** and **description**

Interactive scavenger hunts

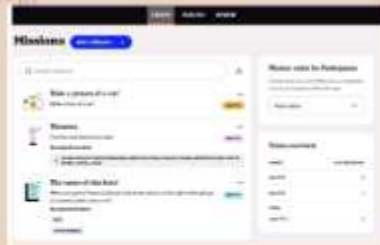
Goosechase for treasure hunts

<https://goosechase.com/>

Now you can choose what kind of mission to do-there are **three types**:

- Ask the player to take a picture of something
- Asking the player to write a response
- Asking the player to geolocate to a spot

Interactive scavenger hunts



Goosechase for treasure hunts

<http://goosechase.com>

Now you have a real scavenger hunt to play with different and fun tasks!

Click **publish** and send the **link** to the players.

You can **check the players' progress** at any time, or send them **messages**.



Let's design an heritage game with Padlet



Padlet with the AI!

Padlet also offers some AI tools for teachers that enables the **automatic creation of educational elements**, such as generating interactive maps for school trips, or surveys and assessments.

By entering the **class specifics** and the **educational objective** into the platform, you can ask the program to generate treasure hunts, tests, and quizzes on a given topic, reading recommendations, and more to integrate into your activities and gamify them.

The key is to input the correct prompt for each educational and playful objective.

Let's design an heritage game with Padlet



Padlet with the AI!

We can design a visit to Athens with riddles for the students to answer.

For example, when selecting "Historical Events Map" and use Athens as city, use the prompt: **"Each pin must be a riddle or a game for a treasure hunt to discover ancient greece's culture"**.

We had a **full interactive map** with riddles and minigames for your class! You can custom the pins and improve It with other contents.

Let's design an heritage game with Padlet



Padlet with the AI!

Or when selecting "Reading List", use the prompt: **"Select books that discuss the mathematicians and writers who lived in Kraków. Each content should ask the student to answer a question about the author's life in Kraków."**

We have a padlet that you can use in a school trip or to prepare your students!



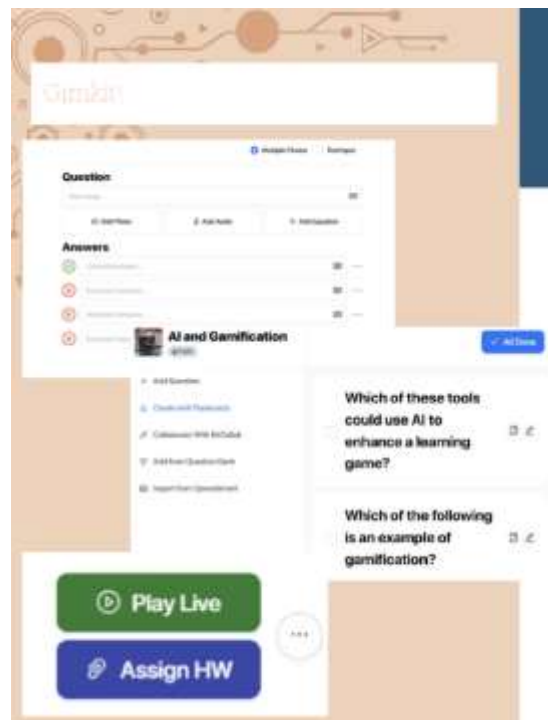
Gimkit!

Gimkit! It's a **gamified educational platform** that allows students to participate in interactive and collaborative quizzes, turning the learning process into a fun and engaging experience.

It features a series of easy-to-use **minigames**, such as platformers or puzzle games, where players must answer questions to earn points or keep playing. Each game includes a built-in tutorial, and you can generate questions using AI.

Once you're in, click on "NEW KIT"

Now click on top left: **"ADD QUESTION"**



Gimkit!


Write down the questions you want your students can play to **earn points or energy**.

When you are ready click on **"ALL DONE"**


Now you can share the link for Homework or Play Live.

If you click play live you can choose a lot of minigames!






DON'T LOOK DOWN
Click your way to the end!




Out Of Energy!
You ran out of energy -- you can't move!
Click "Answer Questions" to gain energy.




Gimkit!
<https://www.gimkit.com/>


DON'T LOOK DOWN

The player can move with the directional arrows on the keyboard and overcome obstacles or participate in mini-games, when the energy runs out the student can **answer a question!**





Go to [gimkit.com/join](https://www.gimkit.com/join) and enter code
874303



NEVER EARN

Waiting for players...


Gimkit!
<https://www.gimkit.com/>


DON'T LOOK DOWN

You have to start a **PLAY LIVE** and share the **Q-code** with the class.

When your students are in you can start the game!

Now let's play!






Advanced Artificial Intelligence for Education

Module 4

Fostering creativity with AI

David Colangeli

europass
Teacher Academy



Chatgpt for creating storytelling and creative thinking.

- Curipod <https://curipod.com/>
- Leonardo AI <https://app.leonardo.ai/>
- Adobe Firefly <https://firefly.adobe.com/>
- Suno <https://suno.com/>
- InVideo AI <https://ai.invideo.io/>

Chatgpt for creating storytelling and creative thinking: The creative storytelling



Using what we know, clearly inserting the Educational Objective, Class Type, and Lesson Topic, we can ask the AI to generate a **set of phrases** or **images** to be printed and recombined by students to create stories, "what if" scenarios, or small role-playing games


Curipod

Curipod is an AI-powered tool that generates engaging presentations enriched with **interactive activities**.

With just a few inputs, Curipod creates visually **appealing slides** that include quizzes, polls, collaborative exercises, and AI-driven content to keep students actively involved and enhance participation.

It's an efficient solution for educators looking to integrate interactivity and seamless AI support into their teaching.





Try to get familiar with this tool

How do you want to get started?


Join at curi.live with pin: **695 401**

Now let's open Curipod and try to design an interactive lesson clicking on "Get Lesson" and choose a format.

You can **generate lessons** by inserting a prompt or a document.

Then customize the result with 6 kinds of slides: 5 interactive and 1 for brainstorming live with your class.

Now you can play your lesson and use the code for your students.



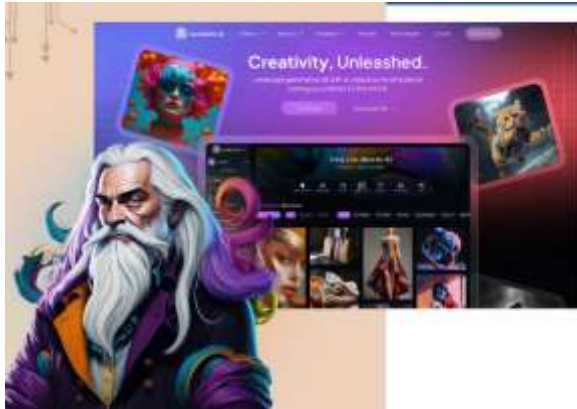
Leonardo AI

Leonardo AI is a platform for generating **high-quality images, videos, and assets** using AI, primarily designed for creative and design purposes.

It's useful for students as it combines creativity with technology, allowing them to visualize ideas and develop critical thinking by evaluating AI-generated content.

Leonardo AI

<https://leonardo.ai/>



You can use this app to generate images for brainstorming, for you content, you could ask your students to use Leonardo to design something and then ask them to use it as a reference for an essay or as a prompt for a live drawing session in class!

Adobe Firefly



Adobe Firefly

Adobe Firefly is an AI-powered tool that helps users generate creative content like **images**, **text effects**, and **design assets**, seamlessly integrating with Adobe's creative suite.

It's useful for fostering creativity by enabling rapid prototyping and exploring design ideas with minimal technical barriers.



Adobe Firefly

You can use this tools for enhance for example a **conversation** or an **analysis** in class:

Choose a theme (e.g., "Designing a Book Cover for a Classic Novel" in literature or "Environmental Awareness Posters" in social studies).

Students could use Adobe Firefly to create **visual assets related to the theme**, experimenting with imagery, and composition. And then ask the class:

- Does the design effectively communicate the intended message?
- What would they modify or enhance manually?
- How does the AI's output compare to human-created designs?
- Encourage students to combine AI-generated assets with their manual edits, demonstrating how technology can complement human creativity.



Suno is an AI-powered platform that focuses on generating **audio content**, including **song** and **sound design**.

Very useful, for example, to create theme songs about lessons, or about the topics of a field trip, or to create soundtracks for videos and reels that you can play for your class.



Suno

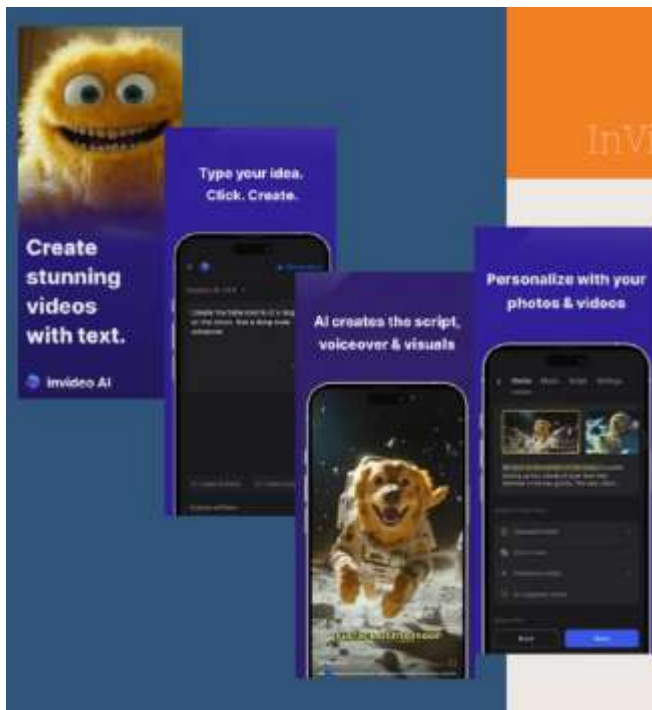
Choose a **historical event or local legend related to the class curriculum or for a school trip** (e.g., "The Rise of Ancient Rome" or "The Legend of the Ghost of Florence").

Students could brainstorm key elements of the topic, such as significant events, characters, or themes and then using Suno **they could generate lyrics or melodies** for a song that encapsulates the chosen story. You can encourage them to experiment with tone, genre (e.g., ballad, rap, folk), and voice synthesis to match the historical or legendary theme... and then discuss in class or during the school trip ask students to listen to this songs.

Try to discuss with the class:

- How well does the song convey the historical event or legend?
- Is the melody or tone appropriate for the story?
- What changes could enhance the storytelling or emotional impact?
- Is the song coherent with the topic accuracy?

You can also ask your class to perform this song with a choreography or singing all together!



InVideo AI

InVideo AI is an online tool that **transforms text prompts into full-length videos**, complete with scripts, visuals, voiceovers, subtitles, and music. It's user-friendly and suitable for all skill levels, streamlining the video creation process.

Students can input their prompt into InVideo AI to produce video and texts and then use it for presentations enhancing their narrative skills and creativity, can create videos depicting historical or cultural events, and use this video for suitable benchmark for shoot a Educational Reel or TikTok.

Some AI tools for Assessment

MagicSchool
 AssistMents <https://app.assistments.org/>
 Socrative <https://www.socrative.com/>
 Formative <https://www.formative.com/>



MagicSchool for Assessment

TEACHERS ARE
MAGiC



MagicSchool could **help teachers automate assessments by creating AI-driven tools** like interactive chat tutors, adaptive quizzes, project based learning focused on processes, and texts tailored to students' difficulty levels.

It generates rubrics with clear, shared objectives for assignment evaluation and supports classroom management by addressing emotional intelligence and organizational challenges.

Additionally, it streamlines communication with parents through automated email writing.

Some AI tools for Assessment



E-mail Responder

Generate a customized professional e-mail communication in response to an...



Multiple Choice Quiz / Assessment

Create a multiple choice assessment, quiz, or test based on...



Classroom Management

Describe the challenge you're having with classroom manage...



Project Based Learning (PBL)

Based on the principles of Project Based Learning (PBL), create a fut...



Rubric Generator

Have AI write a rubric for an assignment you are creating for...

MagicSchool for teachers

Email Responder: Helps teachers respond automatically and professionally to emails from students or parents, saving time in communication management.

Multiple Choice Quiz: Generates customized multiple-choice quizzes on various topics, allowing teachers to quickly assess students' understanding.

Classroom Management: Provides practical and strategic suggestions for solving emotional or logistical problems in the classroom, such as student conflicts or difficulty in organizing activities.

Project Based Learning Generator: Creates educational projects based on hands-on activities, promoting active learning and collaboration among students on interdisciplinary topics.

Rubric Generator: Creates clear and structured assessment rubrics for projects, assignments, and activities, facilitating fair evaluation of students.

Some AI tools for Assessment



Quiz Me! NEW

Quiz yourself on any topic or type of test.



Tutor Me with AI

Get tutored by Raina on any topic or subject you are learning.

Magic Student

You can arrange a virtual room for your students and check the answer and the interactions!

Quiz Me!: An app that allows students to review various topics through interactive, personalized quizzes to improve their preparation.

Tutor with AI: A virtual tutor that helps students organize study sessions, proposing learning and review strategies based on individual needs.

Some AI tools for Assessment

Magic Student

Choose your quiz or upload a text or prompt, a topic and a target, then choose your activity (space race for a gamification or assign a price such as an exit ticket).

Then launch to students or email your assessment, monitoring all the progressions and adjusting the questions for target's preparations.

Visit gosocrative.com and enter room name COLANGELI



Some AI tools for Assessment

Magic Student

You can check in realtime what your students are doing and with a lot of insight on how they can improve.

Auto-Generate Questions

Question:

Answer:

Options:

Correct Answer:

Wrong Answer:

Feedback:

Generate Questions

	TOTALS	1	2	3	4
AVERAGE					
Teacher Preview					
David Colangeli	0%				
Guest Students					

AssistMents



Getting Started with ASSISTments- for Google Classroom

Unlock the Magic of ASSISTments

Assistments is an online tool designed to **help teachers deliver and assess student assignments efficiently.**

It allows educators to assign practice problems, quizzes, or homework, and provides instant feedback to students, helping them learn from mistakes in real-time.

Teachers can use it to track student progress, identify learning gaps, and adjust instruction based on detailed performance analytics.

With its integration of research-based learning strategies, **AssistMents supports differentiated instruction and enhances classroom learning outcomes.**

Socrative AI



Socrative is a **cloud-based assessment tool** that helps teachers **create and deliver quizzes, polls, and exit tickets to students in real-time.**

Educators can use it to gauge student understanding during or after lessons, fostering engagement through interactive activities like multiple-choice, true/false, and short-answer questions.

The platform provides immediate feedback and detailed reports, enabling teachers to identify areas where students need additional support and tailor their teaching strategies accordingly.

Its simplicity and flexibility make it ideal for formative assessments in any classroom setting.



Formative

Formative is a versatile online assessment tool that allows teachers to **create interactive assignments with AI, quizzes, and activities.**

Educators can use it to collect real-time responses from students, enabling immediate feedback and fostering a deeper understanding of concepts.

With features like **live progress tracking and auto-grading**, Formative helps teachers identify areas for intervention and tailor their instruction to individual student needs.

Its collaborative and customizable platform supports both in-class and remote learning environments.