EVOLUTION OF EDTECH BUSINESS MODELS

Prospective monitoring
2025

SUMMARY OF 2025

First quarter

Second quarter

Third quarter

Last quarter

Definition of Edtech:

The acronym EdTech is short for Educational Technology. **EdTech represents the use of new technologies to facilitate and improve knowledge learning and transmission.**

For example, e-learning provides individual digital teaching as an alternative to physical attendance. These "classrooms" and MOOCs (Massive Open Online Courses) are lectures broadcast on the Internet. The LMS (Learning Management System) makes it possible to distribute educational content online, including courses. There are also educational robots that capture the attention of young people and support them in their learning.

EdTech provides tailor-made and on-demand services. It revolutionizes teaching, making it possible to **design a personalized learning path for students.**

Teachers and schools in general also benefit from these technologies, which facilitate the sharing of knowledge in collaboration with their students through participatory and pedagogical teaching. In addition, they use these technologies as **online platforms to better organize, control and monitor learning and adapt their teachings to students**. This allows them to provide more relevant and effective services.

Overall, Edtech benefits students and teachers as well as schools by **facilitating administration and communication**. They improve dialogue, education, learning and above all pedagogy.

DISCOVER MONITORING METHODOLOGY

Prospective monitoring - Definition

Overview

Prospective monitoring consists of collecting strategic information to anticipate changes in the ecosystem and respond as quickly and appropriately as possible. This provides support for the implementation of a commercial and technological strategy.

Methodology

An effective method involves regular service developments monitoring.
The below steps were taken:

- Research, analysis and comparison of a dozen innovative offers in the field of Edtech.
- Identification and understanding of the commercial and technological benefits of these results.
- Identification of Edtech trends and innovations. Trends represent market characteristics and developments.

Objectives

For a company or educational institution to compete sustainably it needs to be constantly aware of changes in its market, so as to either limit potential risks or benefit from these changes. This would involve the following :

- Monitor competitive products and service developments.
- Identify and distinguish innovative trends and strategies over the long term.
- Analyze and compare this information with the organization's current strategy.
- Evaluate competition and their business strategies through their innovations.
- Carry out a self-evaluation and develop a strategy.
- Find inspiration in business and technological trends.

DISCOVER OUR EDTECH TRENDS ANALYSIS

Edtech trend analysis

Main technological trends

Represent **opportunities or threats** for the various players in the sector

- Gamification
- Artificial Intelligence
- Big Data
- Virtual Reality (VR)

Publication of the report :
Artificial Intelligence In Education: Teachers' Opinions On AI In The Classroom

Forbes has published the report Artificial Intelligence In Education: Teachers' Opinions On AI In The Classroom. The report shows several indicators and, in particular, how Artificial Intelligence is used in education. Forbes Advisor surveyed 500 practising teachers in the United States about their experience of AI in the classroom. The respondents, who represented teachers at all career levels, provided insight into the impact of Artificial Intelligence on education.

Notable highlights

*Voovo, an AI-based application aimed at transforming learning by facilitating interaction between students and teachers with educational content, has announced a fundraising round of **EUR 500,000 (CHF 478,635).***

*Perlego, a digital library subscription service offering unlimited access to academic titles, secured **USD 20 million (CHF 17.6 million)** in its latest funding round.*

*A New Zealand start-up that wants to make children love maths as much as playing Roblox has raised **NZD 1.35 (CHF 763,185)** as part of a pre-seed financing round.*

*Outsmart Education, a start-up founded by former Duolingo executives, recently raised **USD 13 million (CHF 11.65 million)** in its latest funding round.*

Artificial Intelligence in Education

The aim of this report is to assess the impact of Artificial Intelligence in the field of education, and to examine the extent to which this technology could transform learning methods in the years to come.

Introduction to AI in Education

Definition

AI **enables machines to perform complex** tasks such as understanding language, recognising images and making decisions, imitating human capabilities. A current revolution in this field concerns generative conversational agents, **capable of producing natural and contextually appropriate responses.**

What makes this advance particularly significant is **the increasing accessibility of these technologies to the general public,** often free of charge. Whereas AI was once the preserve of laboratories and large companies, it is now accessible to everyone via easy-to-use platforms and applications. This democratisation allows more people to benefit from the advantages of AI in their daily lives, whether for education, work or leisure.

Transformation

Although this technology is still in its infancy, it is already causing **major transformations in many sectors of activity.** This affects not only tasks, but also the professions themselves. It is currently difficult to grasp all the potential applications of this technology for the years to come. However, even highly specialised tasks are already being impacted.

Education

The field of education is being heavily impacted by technological advances, particularly AI. Students can now **solve problems or write essays in seconds,** which challenges traditional assessment methods and course objectives. In addition, this technology can also **help teachers create content.**

Some figures

65%
of students say they feel like they are cheating when they use generative AI

63%
of teachers think that AI enables students to obtain better grades

59%
of students are now using generative artificial intelligence to complete their schoolwork in Canada in 2024.

55%
of students say they use a generative AI tool at least occasionally in France.

35%
of teachers say they use a generative AI tool at least occasionally

88%
of teachers think that students use learning assistants for their work

9%
of teachers are not familiar with artificial intelligence tools

Ban AI in schools?

AI detection tools are not very reliable and generate many false positives. Moreover, AI technologies are evolving so rapidly that it is difficult to keep up to date. It is also possible to circumvent these detections by using tricks. In short, it is almost impossible to **determine whether a piece of work has been carried out by AI.**

Artificial intelligence is a valuable tool for teachers, allowing them to focus on more qualitative tasks. As for students, 51% of them **use content-generating tools to better understand certain subjects.**

In Switzerland, 74% of managers say they would rather hire a more novice candidate with AI skills than a more experienced candidate without such skills. **If one of the objectives of education is to prepare for the world of work, it seems logical to use AI and perhaps even to promote it.**

One of the first reactions to the emergence of a new technology is often to want to limit its use. This was initially the case with universities, which did not want students to use AI tools to complete their assignments. However, as illustrated above, it appears not only difficult to determine whether an exercise has been completed without the help of AI, **but it also seems counterproductive for students and teachers.** The latter lose a means of increasing their productivity and, paradoxically, their creativity in designing more appealing work. For students, future employers will be looking for AI-related skills, and those who are not familiar with these tools may be penalised. Thus**, an introduction to AI during studies could prove beneficial,** even if it has to be supervised.

The advantages

Productivity

Teachers can save a lot of time thanks to Artificial Intelligence, particularly when it comes to creating content, which allows them to **concentrate on more qualitative tasks,** such as explaining complex concepts.

Creativity

It can sometimes be difficult for teachers to create captivating lessons. That is why the use of AI-based solutions can **help increase student attention.** There are also tools to make presentations interactive and more appealing.

Apprenticeships

These new technologies encourage a rethink of learning objectives and methods. The use of memorisation is becoming less crucial, **giving way to comprehension and the development of critical thinking.** Oral assessments are likely to become more important in the coming years.

Employability

Schools that integrate AI into their curriculum or offer **dedicated training courses will be pioneers.** As we have seen previously, this will enable students to meet the demands of companies. In this way, students will maximise their chances of finding a job and contribute to the reputation of their institution.

Challenges and Concerns

Data

One of the main concerns regarding AI is data leaks, particularly regarding sensitive subjects or personal information. It is therefore crucial to be careful about the data that is entered into the various tools. **It is recommended to anonymise the names of individuals or companies as much as possible,** and not to enter information about confidential projects. In addition, it is **preferable to opt for solutions that comply with GDPR standards, ideally hosted in Europe.**

Transformation

Education is set to undergo major transformations. It is essential to identify the concepts that students must acquire in a world where AI is increasingly used, particularly in business. **Developing one's critical sense is fundamental,** because conversational tools tend to confirm what we say, thus limiting the possibility of questioning it. Similarly, knowing how to recognise false information and **verify sources is crucial** in a world where data is increasingly falsifiable.

Evaluation

As mentioned earlier, **it is almost impossible to determine with certainty whether a task has been completed using an artificial intelligence** tool or not. This is why it is essential to adapt the assessment methods. It seems that oral exams will become increasingly important, which is a good thing, as they allow students to develop skills that are highly valued in the workplace. Assessment formats may also evolve and **become more creative,** for example through projects, group work, etc.

Awareness

It is essential to **raise students' awareness of the potential abuses** of AI, particularly with regard to intellectual property, whether for content creation or citations. As the legislative framework in this area is still unclear, **it is important to adopt good practices.** This reasoning also applies to teachers: establishing a charter on the use of AI in schools may be a relevant initiative.

Gamma: presentations, without hesitation

Gamma is an AI-based presentation creation platform capable of generating presentations, documents and web pages.

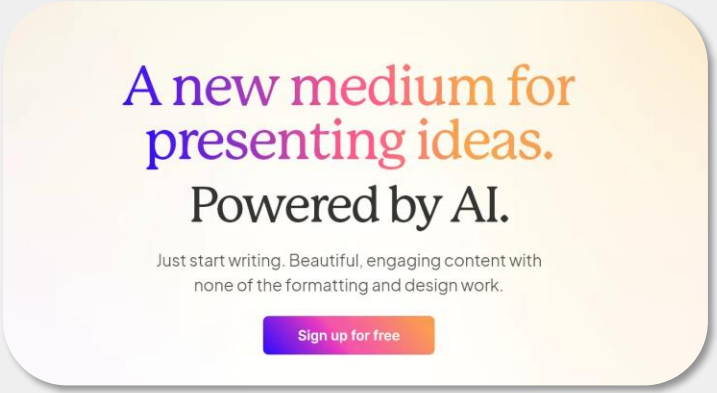
Type
Presentation creation platform.

Competitive advantage
The solution allows you to create aesthetic content with a simple sentence and also to create a structure for a presentation.

Price
Gamma operates on a freemium model: it can be used free of charge, but most features require credits, the limit of which can be quickly reached. In addition, presentations display a 'Created with Gamma' watermark. A paid version allows you to remove this logo, obtain a greater number of credits and create more slides for 8 USD per month. A more comprehensive offer is also available for 15 USD per month.

Number of users
The tool claims more than 25 million Gamma users and 150 million presentations generated.

Level of development
Gamma, also known as Gamma App, is a company founded in 2020 in San Francisco, USA. According to its official LinkedIn page, it has between 11 and 50 employees. A leader in artificial intelligence-assisted content creation, it features in numerous comparisons on the subject and is attracting a lot of interest. Its level of development can be considered advanced.



How does it work?
The tool offers three modes of creation for a presentation: it can generate content from a simple sentence, use an existing note or plan, or transform an already created presentation into a new document.

Link https://gamma.app/fr

Gamma: presentations, without hesitation

Features :

- It is possible to **create a slideshow from scratch with a simple sentence** and a specific theme.
- The presentation creation tool **can also use an existing note or text,** a web page, or a previously created document such as a PDF or PPT file.
- Gamma offers an AI-based **image generator** that allows you to create a new image from a sentence.
- The solution can **generate** presentations as well as other types of formats, such as **web pages, home pages, visuals, etc.**
- Once the presentation has been created or imported, it can be **modified directly on the platform,** as in PowerPoint, but with additional features. Numerous **possibilities are offered thanks to AI,** such as improving the writing, extending the texts, or visually enhancing the slides.
- Changing the theme allows you to **transform the slides** with new images and colours in a single click.
- **Presentations can be shared** with others for easy collaboration, allowing everyone to make changes.
- It is possible **to export presentations in various formats:** PDF, PPT, Google Slides, PNG, etc.

Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

Gamma: presentations, without hesitation

Even if the content is essential, an attractive visual makes it easier to read and captures attention. This is true both in business and in education, where teachers and students have to create presentations. However, designing an engaging and aesthetic medium can be time-consuming and complex. Gamma responds to this need by using artificial intelligence to generate content with two objectives: optimising creation time and producing visually appealing presentations.

- One of Gamma's main strengths is its ability to design a complete **presentation from a simple prompt,** in the manner of conversational agents. Unlike conversational agents, Gamma does not just generate text: it produces structured and visually impactful material. First of all, the platform offers an organisation adapted to the number of slides selected, which provides an initial basis for work. This structure can be modified by refining the initial prompt or adjusting the content. Another strong point is the automatic integration of AI-generated images, **allowing for a neat rendering** without having to search for royalty-free visuals or go through image banks. This automation **represents a considerable time saving for teachers,** allowing them to focus on the pedagogical content rather than the graphic aspect. In addition, the ability to quickly create course materials makes it possible to update presentations in line with current events or programme developments, **without requiring a significant investment of time.** Finally, offering aesthetically crafted slides can **help to increase learners' attention and engagement.**

- Gamma also allows you to integrate existing presentations or documents, thus offering the possibility of **reusing content while improving it visually.** This feature is particularly useful for those who want to modernise old presentations without starting all over again. The platform also incorporates several practical tools, such as the ability to enlarge or reduce text, translate content and adjust the layout automatically.

- The tool also facilitates the sharing of online presentations: students can access them without needing to download them, **which simplifies their use.** In addition, Gamma offers collaborative features that allow several people to **work simultaneously on the same project** by simply entering an email address. This is a real advantage over traditional tools such as PowerPoint, where collaborative work often requires downloading, modifying and sending files back and forth with each update, unless a shared server is used.

- Various templates, created by users of the platform, are available to **inspire the creation of presentations.** They can be used and personalised with your own images and text. In addition, the presentation can be quickly adapted to the chosen theme. An 'Inspiration' section, provided by Gamma, also follows the same principle.

Nevertheless, this tool can be improved:

- After several uses, certain limitations become apparent. The solution is **less effective for presentations rich in text** and is more suitable for visual aids than for lessons requiring detailed explanations. In addition, the presentations generated are not always successful, as some automatic deletions of text or images may **require correction and adjustment.**

- In addition, **the automatically generated structures remain superficial** and do not always include the concepts covered in class. The tool is therefore more suitable for exploring new concepts or for inspiration from existing models.

Examino is a platform that allows the digitisation of assessment papers so that they can be corrected and analysed in order to give a mark and various indicators.

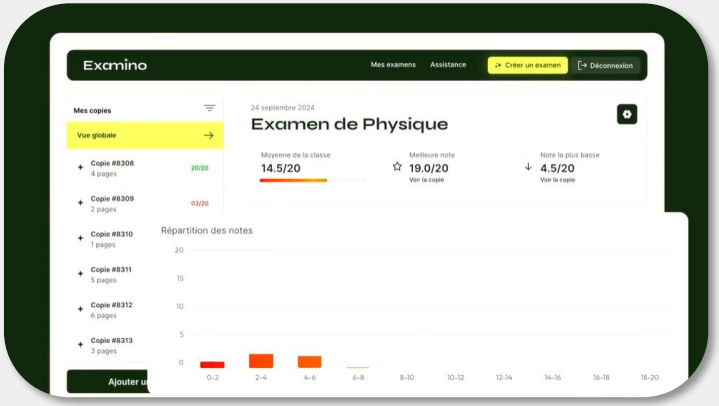
Type
Marking platform.

Competitive advantage
Corrections are made automatically to save time, but also to ensure greater impartiality.

Price
Several prices are available depending on the number of scripts corrected per month. An initial introductory offer allows 10 scripts to be corrected per month free of charge. After that, for 100 scripts per month, the price is EUR 5.90 per month, and the plus offer for EUR 14.90 per month allows for the correction of 100 more. Finally, it is possible to set up a quote-based offer for a school.

Number of users
According to the official website, more than 24,000 copies have been marked, with more than 2,500 users in more than 20 academies.

Level of development
Examino was founded in 2024 in Paris. According to the information available on LinkedIn, the company currently employs between 2 and 10 people. In just three months, the platform has already managed to attract more than 1,000 customers, which is a promising start for this start-up. Although very young, user feedback suggests that the platform is well designed. However, it remains to be seen how it will evolve over time.



How does it work?
First you need to import the subject, then specify the evaluation criteria and the scale. Afterwards, you can import the PDF copies or scans via your phone to start marking. The answers are marked automatically with annotations.

Link https://examino.fr/

Features :

- The tool can be used to import subjects intended to assess pupils' progress. Using various documents, **it generates an assessment that the teacher can validate or modify.** In addition to the wording of the questions, it is possible **to adjust the grading scale.**
- Once the assessment is ready, all you have to do is scan the copies with a smartphone or send them in PDF format for them to **be corrected and marked automatically.**
- Beyond grading, **the tool identifies errors,** provides comments and suggests corrections. For example, for a maths exercise, it analyses numerical reasoning, calculation and problem solving, and offers a general observation.
- The solution **takes into account more than 20 subjects,** including maths with recognition of complex calculations, and science with diagrams, graphs, etc. This versatility is also transferable to the level of education **ranging from primary school to higher education.**
- Examino aggregates all the results of all the classes, which makes it possible to **visualise the marks** and thus to better **represent the evolution over time and the distribution.**
- It is possible **to export the corrections** directly into teaching tools.

Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

Marking exam papers is not the most exciting task for teachers. It is often time-consuming and repetitive, while providing limited added value on a day-to-day basis. However, it remains essential for identifying students' difficulties and spotting poorly assimilated concepts. For learners, it is a valuable tool for measuring their progress in a subject. Thanks to Examino, a complete exam paper can be assessed in just 20 seconds, considerably reducing the time spent correcting. But this tool is not just about saving time, it has other advantages.

- One of the main advantages of this solution is its ability to mark an exam paper in just 20 seconds, thus **saving an average of 6 hours per week,** according to the official website. This time saving can be reinvested in higher value-added tasks, such as preparing more engaging lessons, **thus promoting student involvement.** In addition, teachers often perceive marking as a tedious task. Reducing the time spent on it could therefore **improve their motivation.** However, although the aim is to automate the process, it is still possible to supervise the assessments in order to detect and correct any problems related to the tool.

- Another, more subtle advantage is the impartiality of the correction. Despite teachers' efforts to remain objective, variations can occur, particularly due to the fatigue accumulated after several scripts have been corrected. A script corrected at the beginning of the session could be marked differently from one corrected after several hours. Artificial intelligence reduces these fluctuations by applying the same evaluation criteria to all exam papers, **thus guaranteeing greater fairness.** Although the risk of discrimination is not zero, automation makes grading more consistent and fair.

- The solution can be used to correct a wide range of subjects, including those that seem more complex such as mathematics and science, thanks to advanced recognition of equations and graphics. It is also very flexible, supporting classes ranging from primary school to higher education. This adaptability **makes it easy for all teachers to adopt,** with those who are more comfortable with technology being able to support those who are less so. Furthermore, it avoids having to use multiple software programmes for each assessment or exercise. Finally, for schools, **sharing the tool reduces costs.**

- Individual comments allow for personalised evaluations, **thus helping to better identify the strengths and areas for improvement** of each student. In traditional corrections, comments are often absent or limited to a few general words. With this solution, students benefit from a detailed analysis and structured suggestions for improvement, **providing a better understanding of their grade.**

- The grade grouping feature generates various statistics, such as the average and the median, thus facilitating the **analysis of class performance.** It not only makes it possible to identify the needs of pupils more precisely, but also to visualise their progress more clearly.

Despite the advantages listed, there are two points to watch out for:

- Although the answers are evaluated more objectively, **this raises the question of the correction criteria:** to what extent is an answer considered correct or not? A teacher might, for example, award half a mark for a partially correct answer, while the AI might not. Moreover, there is a risk that pupils will adapt their answers according to the algorithm's expectations to maximise their points, **to the detriment of the development of their critical thinking or creativity.**

- The tool is suitable for exercises with clear answers, such as single-answer questions or equations, but less so for subjects such as philosophy, **where assessment is based on argumentation and interpretation, which are difficult for an algorithm to evaluate.**

Atypical AI: The GPT Chat of education

Atypical AI is an AI platform in the form of a chatbot, which focuses on the content of teachers to offer personalised answers and improve learning.

Type
Conversational agent using AI.

Competitive advantage
Allows for the provision of responses tailored to learning with a corpus provided by teachers and the school.

Price
No information has been found regarding the price. You must submit a request via the website to obtain more information.

Number of users
No information has been found on this subject.

Level of development
Atypical AI was founded in 2023. The company specialises in the use of artificial intelligence to improve education by offering personalised tutoring and adaptive learning solutions. The company is based in San Francisco, California. In November 2023, Atypical AI raised USD 4 million in a preliminary round of financing, demonstrating the interest in this type of solution. In addition, there are many positions available on the site, such as AI engineer and data science manager, demonstrating a desire to expand.

How does it work?
Initially, the platform is fed with documents provided by teachers or the academic body. It then uses these documents to interact in a similar way to a conventional chatbot, such as ChatGPT, Gemini, etc.

Link https://www.atypicalai.com/

Atypical AI: The GPT Chat of education

Features :

- The tool takes the referenced documents into account and highlights them so that the sources are as reliable as possible. The tool can therefore **be customised to focus on academic sources.**
- Atypical AI is designed to **be accessible to all types of institutions,** whether primary or secondary schools, universities or even vocational training centres. But it can also be used for **different school subjects.**
- The chatbot can be used to **create numerous documents for teachers,** but it also seems possible to set it up for the administration so that the AI can be used to assist the secretariat.
- The AI is configured in such a way as to be the most educational for learners in order to **facilitate understanding and learning.**
- Teachers can monitor students' progress in real time, adjust tasks, and **receive recommendations** based on the collected performance data.
- The solution offers **personalised tutoring** using algorithms that **adapt to the needs of each student.** In the same way, it can **prepare teachers for questions from students.**
- Thanks to AI, the solution should not encounter any difficulties with different languages. Indeed, the tool is designed to **easily and efficiently manage a wide range of languages.**

Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

As mentioned earlier in this report, it is difficult to oppose new technologies. This is why AI should not be banned, but rather adapted to the educational domain by following certain rules. One of the disadvantages of generative AI is the lack of sources on certain subjects, as well as the risk of hallucination, i.e. the production of erroneous or misleading answers. Atypical is based on AI that learns from the documents provided, thus offering many advantages.

- Firstly, the fact that the AI learns mainly from documents provided by teachers or schools means that it can provide verified information, thus considerably **reducing the risk of incorrect answers.** In addition, this facilitates access to the platform for younger students, as **the AI is more secure** and remains focused on subjects related to their studies.

- Atypical is a highly adaptable solution, suitable for both secondary schools and universities, while providing support to teachers and students in various subjects. **This pooling of costs is a major advantage for schools,** which can thus use a single tool for several tasks. The benefit is all the greater as it can be configured for administrative services, allowing them to integrate different documents in order to create a chatbot capable of **taking over part of the secretarial work.** This has a dual advantage: on the one hand, students benefit from a chatbot that is more advanced than conventional solutions, **promoting a feeling of being listened to and reducing stress.** On the other hand, when the request requires human intervention rather than a simple automated response, the student is directed straight to the relevant department. Finally, the administration **saves valuable time by focusing on urgent cases and high value-added tasks.**

- Teachers will also be able to focus on the students' most essential questions, as the students will have the opportunity to submit their questions to the tool beforehand. This will allow them to devote more time to tasks requiring special attention, without having to systematically provide all the documents, which could be made available directly on the platform. This will enable teachers to **focus more on understanding concepts, developing critical thinking and ethics, etc.** The tool can also generate teaching materials, structure lessons, anticipate students' most frequently asked questions and assess whether certain explanations are clear enough to optimise learners' understanding and success.

- For students, in addition to the positive effects mentioned above, this tool promotes a better understanding of the lessons thanks to new strategies implemented by the AI, which seeks to adapt to the needs of each student, something that a teacher cannot do due to lack of time. It thus becomes possible to prepare effectively with questions, quizzes and reminders programmed to help memorise concepts better in the long term. In addition, Atypical is based on software specially designed to facilitate student learning, **which should lead to better results and a higher success rate.**

- The integration of conversational artificial intelligence within a school demonstrates a desire to position the school as a forerunner in this field. This initiative cansnot only arouse the interest of future students, encouraging them to enrol in a school in tune with the times, **but also enhance the reputation and attractiveness of the institution on a broader level.** By promoting the use of intelligent digital tools, the school stands out from the competition and asserts its role as a benchmark in the evolution of teaching practices.

Nevertheless, this solution may raise questions:

- Although Atypical facilitates ethical and regulated collaboration between AI and humans, the risk of data leakage remains a threat. Despite the security measures announced, **no solution is completely immune to a cyberattack. Moreover, heavy dependence on this technology could cause problems** in the event of a flaw, service interruption or policy change, impacting the operation of establishments.

AI, a partner in the education of tomorrow

This report highlights the difficulty of accurately predicting the evolution of artificial intelligence in the coming years. However, it is certain that this technology will continue to grow and affect an increasing number of sectors, thus profoundly changing the nature of many professions. Faced with this reality, the academic community should not seek to slow down its development, **but on the contrary, to accommodate and integrate it into existing practices.** Indeed, both teachers and students who are unable to adapt risk falling behind their peers.

Beyond this aspect, as this report highlights, artificial intelligence **can be a real asset for both students and teachers.** It can facilitate revision, offer more attractive presentations, help with administrative tasks, etc. However, this represents only a small part of the possibilities offered. We can also mention the transcription of oral exchanges, the practice of writing and speaking, as well as many other applications.

Schools will therefore have to adapt and introduce new developments, which will undoubtedly be better addressed **by strong interpersonal skills, written expression, the development of critical thinking and other soft skills.** In addition, the issues of data protection and ethics, already widely debated, are likely to become even more important in the years to come.

In short, although this technological revolution may seem intimidating in some respects, it also represents a tremendous opportunity to reinvent education. **The coming years promise to be exciting,** marked by profound transformations that will stimulate both innovation and reflection on the human implications of technology.

Summary of the June 2025 edition

Definition of Edtechs

Methodology

Trends Analysis

PrepAI is an intelligent platform based on artificial intelligence, designed to automatically create questions and answers and make exam preparation easier.

Frontline Education is a software suite dedicated to managing school life and administrative tasks, offering a range of statistics to facilitate decision-making.

Top Hat is an online platform that makes courses more interactive and less vertical, offering a range of tools to encourage exchanges between teachers and learners.

Thymio is an open-source educational robot designed by researchers at EPFL, whose mission is to offer complete and engaging STEAM courses to learners of all ages.

Aktiv Chemistry is a complete online platform dedicated to learning chemistry, offering a structured pathway from lessons to homework, including interactive quizzes.

Edtech trend analysis

Main technological trends

Represent **opportunities or threats** for the various players in the sector

- Gamification
- Artificial intelligence
- Big Data
- Virtual Reality (VR)

Publication of the report "2025 State of EdTech District Leadership''

The 2025 State of EdTech District Leadership Report (12th edition) provides important benchmarks on emerging AI technologies and evolving cybersecurity measures. It also provides valuable information that can inform the decisions of other education stakeholders (superintendents, school boards and administrative leaders) on priorities and budgets.

Notable developments

*Edtech Everybody Counts is **raising GBP 500,000 (CHF 548,092)** to develop its AI-based mathematical platform.*

*Illumine, a fast-growing start-up transforming early childhood education, has raised **USD 2.5 million (CHF 2.05 million).***

*Danish EdTech start-up Alice raises **EUR 4.2 million (CHF 3.94 million)** for a personalized learning and study platform*

*SchoolAI, a leading AI platform for teaching and learning, has announced the closing of a **USD 25 million (CHF 20.45 million)** financing round.*

PrepAI : Hassle-free Q and A

PrepAI is an intelligent platform based on artificial intelligence, designed to automatically create questions and answers, and to facilitate exam preparation and the generation of online assessment topics.

Type
Generative question platform.

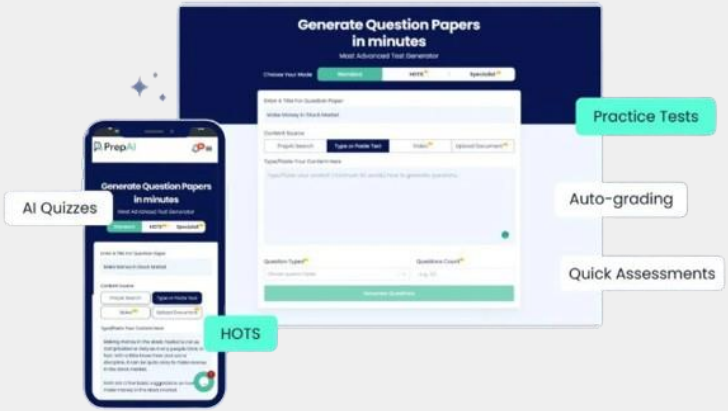
Competitive advantage
The tool allows you to create questions in just a few minutes from an existing text.

Price
The solution offers different subscriptions. Firstly, there is a lifetime package, which is the most comprehensive, costing EUR 599 (CHF 562), with no limit on the number of quizzes per month. A second, less comprehensive offer is available, with a variable fee depending on the number of quizzes per month. The offer starts at EUR 199 (CHF 186) per year for 100 quizzes per month, and goes up to EUR 299 (CHF 280) for 450 quizzes per month.

Number of users
Little relevant information has been found on this subject.

Level of development
Founded in 2022 and based in Mohali (Punjab, India), PrepAI employs between 2 and 10 people, according to LinkedIn, and has an international reach through partnerships in New York and Mongolia. The solution presented seems well thought-out and innovative, but the small size of the team and the lack of public feedback make it difficult to objectively assess its level of maturity.

Lien https://www.prepai.io/eu/

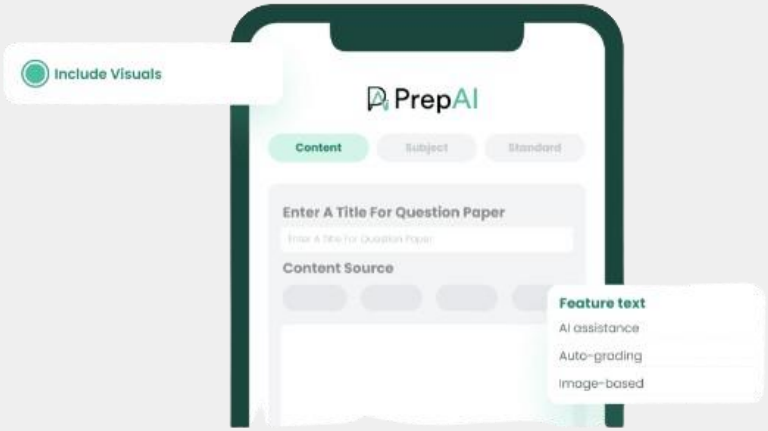


How does it work?
First, the user logs on to the platform and uploads documents, which the tool analyses to generate different types of quizzes. The teacher can then examine and adjust them by modifying the questions, difficulty levels or formats. Once the quizzes have been completed, the tool automatically corrects the answers, provides evaluation feedback and allows the teacher to consult the results to monitor the learners' progress.

PrepAI : Hassle-free Q and A

Features:

- The solution uses artificial intelligence (AI) to rapidly **generate tests and quizzes by first analysing** the documents provided by the teacher.
- The platform offers a number of assessment methods to suit **different learning needs.** The first is the most basic, consisting of questions in the form of **MCQs**. The second mode uses Bloom's taxonomy to structure the questions according to different learning objectives: it covers the memorization of knowledge at the elementary level and then moves on to higher-level **skills such as analysis,** synthesis and evaluation. Finally, the third mode is dedicated to scientific assessments, with the option of integrating equations and formats specific to each discipline.
- The questions have **three levels of difficulty,** from easy to difficult.
- Images can be included to make the quiz more visual, and PrepAi will then **create questions based on the images.**
- Assessments can be carried out **individually or in groups.**
- Thanks to an adaptive design, assessments can be done **on different devices:** computers, tablets and smartphones.
- The solution **provides an interface** for tracking results.



Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

PrepAI : Hassle-free Q and A

It is becoming increasingly difficult for teachers to design and manage assessments in the age of artificial intelligence: it requires a considerable investment of time, both for writing the exams and for administering and marking them in class. As a result, teachers run the risk of organizing only one or two assessments per term or semester, concentrating a very heavy workload at specific times, which also places a burden on students. PrepAi aims to lighten the workload for teachers in preparing homework, while offering other interesting features.

- The most obvious benefit is the considerable **time saved for teachers,** who can concentrate on supervising tests without having to recreate them repeatedly. This freed-up time can be devoted to tasks with greater added value. Preparing for a test is time-consuming for teachers, who tend to reduce the frequency of tests and organize large-scale assessments at frequent intervals. This limits understanding of what the whole class has learnt and puts a great deal of pressure on students, who are forced to pass a limited number of tests. More regular assessments make it possible to diversify formats, monitor students' progress and knowledge levels more closely, and **quickly identify concepts that have not been acquired so that they can be revisited.** This also helps to reduce stress among learners.

- The solution offers several types of quizzes: fill-in-the-blanks, MCQs, true/false. In addition, it is possible to adjust the difficulty according to the level of the class and progress in the program. However, it would be interesting to know how the algorithm selects this level of difficulty, as it is a fairly abstract concept. In addition, Bloom's taxonomy is a good way of getting a **better idea of the students' understanding.** Finally, it's great that the solution supports the integration of mathematical equations as well as diagrams or figures for science subjects. In this way, it can be **useful for a large number of teachers in the same school.**

- By centralizing all assessments within a single interface, the platform makes it possible to create statistically rich dashboards. These tools make it **easier to analyze changes in pupils' results** over time and quickly identify those who are experiencing difficulties. This information helps teachers to **consider the underlying issues** and to put in place **appropriate educational measures.**

- The platform supports a wide range of media that do **not necessarily require additional investment by schools.**

However, this solution can be optimized:

- The tool is an undeniable time-saver for teachers, but it needs to be supplemented by other, **more elaborate assessment methods,** such as argumentative essays or oral examinations. In a context where digital technology is playing an increasingly important role, **interpersonal skills will undoubtedly become essential,** as this is what distinguishes humans from machines capable of handling written tasks. While a solid knowledge base is essential for understanding reasoning, other skills and qualities are just as decisive.

Frontline Education: Streamlining for greater efficiency

Frontline Education is a software suite dedicated to managing school life and administrative tasks, offering a range of statistics to facilitate decision-making.

Type
School life management tool.

Competitive advantage
The solution makes it possible to digitize a large part of school life as well as certain administrative tasks, enabling data to be supplied.

Price
No relevant information was found in open sources. The price will depend on the size of the establishment and the number of features selected.

Number of users
Frontline Education's software solutions support more than 4.1 million education users every day in the United States and abroad.

Level of development
Frontline Education is one of the leading players in the market, particularly in the United States, where it has a vast portfolio of customers. According to its LinkedIn page, the company, which was founded in 1998, has between 500 and 1'000 employees, and 1,101 people currently list themselves as working there. So it's a mature company with a mature software solution.

How does it work?
The platform is aimed at two types of user: students, for tracking absences, grades and medical problems, and teachers, with a module for recording absences as well as functions for managing recruitment and replacements. In both cases, the aim is to limit the administrative burden and centralize all the data.

Link https://www.frontlineeducation.com/

Features:

- The tool **digitizes most of the processes involved in school life,** in particular tracking absences from lessons, managing sickness and recording grades.
- The data generated by the tool, once deployed within the school, makes it possible to **produce in-depth statistics and analyses:** early identification of pupils in difficulty, monitoring of performance and absenteeism trends, year-on-year comparisons of pupil numbers to anticipate budgetary needs, and **production of personalized reports** for management and teaching teams.
- The platform includes a module dedicated to teachers, designed to lighten the workload for human resources and teachers: thanks to the centralization of data, it is easy to **notify the school in the event of absence** and to quickly organize a replacement. All administrative documents can also be **accessed and completed online directly from the platform.**
- As with student monitoring, the solution identifies employees likely to be unhappy at work and **anticipates the need for replacements** or the risk of staff shortages by analyzing absenteeism trends.
- The tool also takes care of all the financial aspects, so you **can better understand and control costs.**

Kindergarten	★★★	High School	★★★
Elementary School	★★★	University & school	★★★

Frontline Education: Streamlining for greater efficiency

Schools are often reluctant to go digital: fear of change or opposition from some staff, budgetary constraints or simply the feeling that current methods are sufficient. However, digitizing not only the processes linked to school life (monitoring absences, managing grades, medical records, etc.) but also those linked to human resources (recruitment, replacement, monitoring absenteeism, etc.) generates significant efficiency gains and enables valuable indicators to be produced. By centralizing this data, we improve transparency, save time on administrative tasks and facilitate the strategic management of the establishment. It is precisely through this approach that Frontline Education intends to support and enrich decision-making within schools.

- Digitizing school life **saves a considerable amount of time for everyone involved in the school:** on the one hand, it eliminates the need to go back and forth between classrooms and the secretariat, and on the other, it enables parents to be informed immediately if a pupil is absent, thanks to automated notifications. By centralizing all data such as grades, lateness, absences and medical records within a single platform, the tool provides comprehensive dashboards and statistical reports that make it **easier to monitor performance and take decisions.** These indicators, compared from one term to the next or from one year to the next, help to measure the effectiveness of educational initiatives and to adjust internal policies in real time. The integration of an algorithm also identifies the students most vulnerable to dropping out, enabling preventive intervention before a problem becomes critical. By **providing greater visibility and responsiveness,** the solution reassures parents about the quality of the monitoring of their children and enhances the attractiveness of the school, which is likely to see an increase in the number of students.

- The platform also handles the management of staff absences, offering online notification as soon as a teacher is ill or unavailable, with all supporting documents (medical certificates, HR forms, etc.) sent automatically and securely, **eliminating the risk of lost documents and time-consuming paper-based round trips.** Thanks to this automation, human resources departments have real-time visibility of staff availability, which greatly **simplifies the planning of replacements** and reduces response times. The platform also provides managers with dashboards and statistical reports. A dedicated module manages the entire recruitment workflow: advertising vacancies, monitoring applications, scheduling interviews and integrating new employees, all centralized to ensure consistency and traceability. By bringing together all the administrative and human resources processes on a single interface, **the tool helps to pool costs for the establishment.**

However, there are two points to bear in mind:

- The introduction of this tool **can give rise to resistance:** some employees, who are not very comfortable with digital technology, dread the change, while others fear a feeling of intrusion or infantilization linked to overly meticulous monitoring of absences and illnesses. To overcome these obstacles, **it is essential to adopt an educational approach** and explain the benefits for everyone.

- The institution may become **entirely dependent on the platform:** a breakdown or dispute with the service provider could seriously disrupt its operations, and any data leakage would compromise the security and confidentiality of the information.

Top Hat: More collaboration for better education

Top Hat is an online platform that makes courses more interactive and less vertical, offering a range of tools to encourage exchanges between teachers and learners.

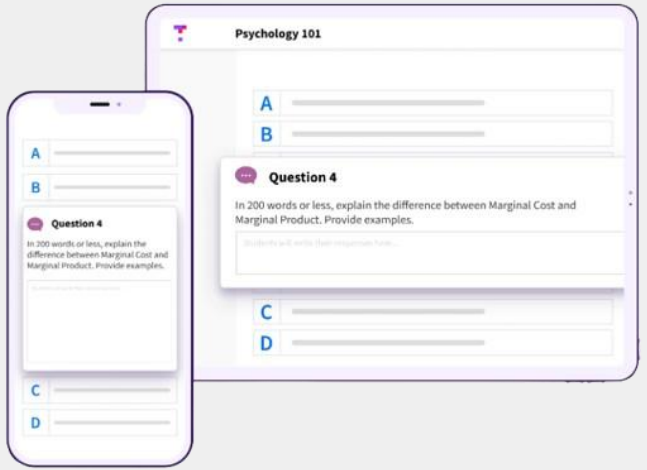
Type
Educational platform.

Competitive advantage
The solution offers diverse functionality to make lessons more interactive and engaging.

Price
The fees for a school are quoted on the basis of an estimate and depend on the number of students. It is also possible to charge the student directly (a fairly common procedure in the United States): USD 33 (CHF 27) for a term, USD 53 (CHF 43) for a year and USD 96 (CHF 78) for four years.

Number of users
According to the official LinkedIn page, the platform is used by more than 3 million students at 750 of the top 1,000 colleges and universities in North America.

Level of development
Top Hat was founded in 2009 and is headquartered in Toronto, Canada. According to LinkedIn, the company has between 200 and 500 employees (more than 400 according to its website), including around 480 associate members. Its solution is used by more than 900 establishments, including some major institutions. To date, Top Hat claims to have raised over USD 225 million (CHF 182 million) in funding. This demonstrates a significant level of growth and development.



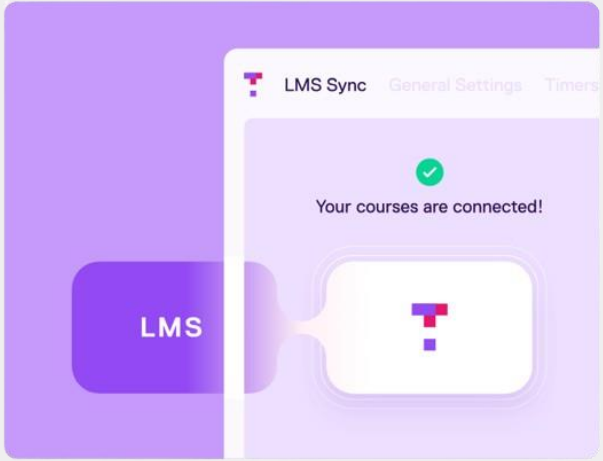
How does it work?
The teacher connects to the platform and creates a virtual classroom. Using an access code and a computer or smartphone, students can join this room, making the course more interactive by taking quizzes, asking questions and much more.

Link https://tophat.com

Top Hat: More collaboration for better education

TOP HAT

- The solution incorporates artificial intelligence called Ace, designed to **provide learners with relevant answers** contextualized according to the content being studied. It also allows teachers to **automatically generate questions** from the teaching materials they provide.
- Teachers can create **chat rooms** and integrate videos, images or text. Students can respond via text message or express their ideas more creatively, using emojis or drawings, for example. Student responses can be **sent anonymously.**
- The tool allows you to **create quizzes and surveys** with a choice of 14 question types. Students' answers are sent in real time to the teacher, who then receives **detailed statistics,** such as the percentage of correct answers, automatic correction, and other assessment indicators.
- Students can take tests directly in class with the option of integrating **content with multimedia and interactive questions.** It is possible to **obtain reports on cheating behaviour** and automatic correction.
- The platform allows **student attendance to be recorded** either via the app or by text message at the start of the class. For face-to-face classes, it uses geolocation to **check which students are actually present or absent.**
- Top **Hat integrates easily with many LMSs, including** Moodle, Blackboard, Canvas, Sakai, and more.



Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

Top Hat: More collaboration for better education

In many universities, teaching is still largely based on a vertical model: teachers imparting knowledge in a one-way manner during lectures. Although this format allows a large amount of content to be covered, it has the major disadvantage of limiting student engagement. In response to this, Top Hat offers an innovative digital solution designed to transform the learning experience. The solution's many features make it possible to make lessons more engaging.

- Lecture hall classes allow teachers to address a large number of students, sometimes more than 500 at a time. However, this format has limitations in terms of interactivity. If every student wanted to ask a question, the flow of the class would quickly be disrupted, making it difficult to cover all of the planned content. In addition, many students are reluctant to speak in public for fear of being judged or looked down upon by others, which hinders their understanding and participation. The Top Hat platform provides a concrete solution to this problem. It allows students to ask questions online, in writing and anonymously, directly during the class. **This approach removes many barriers: it is often easier and less intimidating to write down a question than to say it out loud in front of a lecture theatre.** Thanks to this system, teachers can better identify sticking points or misunderstandings in real time. Anonymity also encourages the silent majority, who are often left out in traditional formats, **to express themselves**, allowing more students to actively participate in the class.

- The artificial intelligence provided by the platform benefits both teachers and learners. For teachers, it greatly **facilitates the creation of questions:** they simply provide the course materials, and the AI automatically generates relevant questions related to the content. This approach makes it possible to quickly assess **understanding of the concepts covered in class, while saving valuable time.** It also offers great flexibility, making it easy to move from one topic to another without lengthy preparation. For students, AI acts as a teaching assistant by instantly answering their questions. Powered by course materials, it can provide accurate and contextualized answers. This significantly reduces the frustration associated with waiting for a busy teacher and encourages greater autonomy in learning.

- The assessment mode is a major advantage of the platform. It allows **assignments to be enriched with various content** (images, text, etc.) and offers automatic and instant correction. Detailed statistics (grades, success rates, response times) help analyze results. Monitoring software detects suspicious behavior. These assessments are not graded and can be used regularly to **track students' understanding and prepare them effectively for exams.**

- Automatic attendance recording saves **valuable time for teachers.** In addition, compatibility with leading LMSs facilitates integration of the tool into institutions, while **reducing costs and simplifying its use.**

That said, particular attention is still required:

- This type of solution represents a significant investment. In the United States, students generally bear the cost themselves, while in Europe, the financial burden is more often borne by universities or educational institutions. **It is therefore essential to ensure that the tool will actually be used by teachers** in order to guarantee a good return on investment and real added value for learners.

Thymio is an open-source educational robot designed by researchers at EPFL, whose mission is to offer complete and engaging STEAM courses to learners of all ages.

Type
Educational robot.

Competitive advantage
Thymio offers concrete actions, through the use of its robot, to make learning and STEAM courses more attractive and engaging.

Price
The price of Thymio varies depending on the country, the version of the robot and the accessories chosen. The product is distributed online by various companies. For example, on the website bischoff-ag, the wireless Thymio 2 is available for £199. The licence to access new activities costs CHF 65, while activities/challenges are available for CHF 50. The price can therefore vary considerably depending on the model and additional items selected.

Number of users
No information is provided regarding sales figures, which can be partly explained by the fact that Mobysa, the producer of Thymio, is a non-profit organisation.

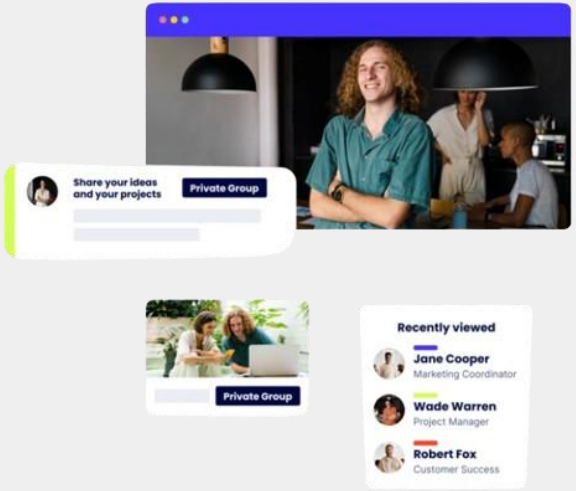
Level of development
Thymio is an open-source educational robot developed by researchers at EPFL, in collaboration with ECAL, and produced by Mobsya, a non-profit organisation whose mission is to offer comprehensive and engaging STEAM courses for learners of all ages. Backed by renowned institutions, the project enjoys solid credibility and a high level of reliability.

How does it work?
The teacher makes the robot available to the students and prepares the lesson based on the chosen activity. Once the instructions have been given, the students can operate the robot themselves to carry out the activity, which promotes active and practical learning.

Link https://www.thymio.org/fr/

Features:

- The Thymio robot has **six predefined basic behaviours:** a friendly mode that follows the hand, an explorer mode that can avoid obstacles, a fearful mode that runs away when surrounded, an attentive mode that changes colour and reacts to clapping, an inspector mode that follows a black line, and finally an obedient mode that responds to commands via buttons or a remote control.
- Thanks to the Thymio VPL and VPL3 interfaces, it is possible to program the **robot intuitively using visual blocks.** By associating events with actions, users can easily modify Thymio's behaviour in just a few clicks.
- Scratch and Blockly **offer widely recognised and proven block-based programming systems,** which allow complex behaviours to be created without having to worry about code entry or syntax constraints.
- **A Python interface allows you to take things to the next level** with Thymio. University-level experiments can be carried out, programmed in Python or Aseba, thanks to the comprehensive Aseba framework and Python module.
- The tool offers **software accompanied by specific activities** designed to help users better understand how **artificial intelligence** works through ThymioAI. Programming is done without code.
- **Several accessories are available** to enrich the learning experience with Thymio, such as playing cards, discovery circuits, new game modes and many other items to diversify educational activities.



Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

Scientific fields, grouped under the acronym STEAM (Science, Technology, Engineering, Arts and Mathematics), remain predominantly male-dominated today, particularly in engineering, where women account for only around 30% of the workforce. To change this situation, it is essential to raise awareness among children from an early age that these career paths are open to everyone, regardless of gender. However, stereotypes persist in these disciplines, hindering diversity. With this in mind, the Thymio robot offers a fun and interactive approach to learning STEAM. By making these subjects more attractive, concrete and accessible, Thymio helps democratize these fields and encourages greater inclusion, particularly among often under-represented groups.

- Thymio's main objective is to make STEAM subjects accessible and appealing to everyone. In this context, particular emphasis is placed on engineering and technology, since the central tool is a robot. Designed for a young audience, particularly pupils under the age of ten, Thymio offers basic playful and interactive behaviors. The robot reacts to its environment, which **allows for the design of concrete and engaging activities:** for example, following a black line drawn on the floor or avoiding obstacles in explorer mode. These features allow teachers to set up dynamic sessions where **play becomes a vehicle for learning.** This makes lessons more practical and allows scientific concepts to be introduced intuitively. By exposing students to this type of activity from an early age, Thymio can help **awaken their curiosity and inspire careers in science and technology.**

- Beyond its interactive aspect, Thymio also incorporates a theoretical dimension related to learning code. The first approach is based on the Thymio VPL and VPL3 interfaces, which allow the robot's behavior to be modified in a very intuitive way, with just a few clicks. A second method, which is slightly more technical but still accessible, uses the Scratch and Blockly environments, which offer block-based programming without the need to master code syntax. For more advanced students, particularly those in secondary or higher education, it is possible to program Thymio directly in Python or Aseba, thanks to the comprehensive Aseba framework and dedicated Python module. This progressive approach **makes the tool suitable for a wide range of school levels, from primary school children to university students,** making it a particularly versatile educational solution.

- The solution includes an AI-powered module designed to help students discover and understand the Thymio robot. This module, which is completely code-free, is designed for younger learners, allowing them to interact with the robot intuitively, without the technical barriers associated with traditional programming. In addition to promoting a better understanding of the concepts covered, this approach allows teachers to **structure their lessons more effectively.** It also saves time by facilitating the implementation of activities and automating certain educational aspects.

Despite the advantages listed above, there is one point to note:

- This tool is a major asset for teaching, while also contributing to the reputation of the institutions that adopt it. **The basic price seems very reasonable** given the features offered, especially since it is offered by a non-profit organisation, which makes it potentially very competitive. However, to access all the modules beyond the six basic behaviors, **it is necessary to purchase additional items** such as wireless keys, software or extensions. If an institution wishes to purchase a complete kit, the costs can quickly add up. In addition, as Thymio is often used in small groups, it is generally recommended to have several robots per class, as well as computers or tablets to program them. **All this equipment represents a significant investment, which may be a barrier to implementation in some schools.**

Aktiv: Chemistry in the digital age

Aktiv Chemistry is a complete online platform dedicated to learning chemistry, offering a structured pathway from lessons to homework, including interactive quizzes.

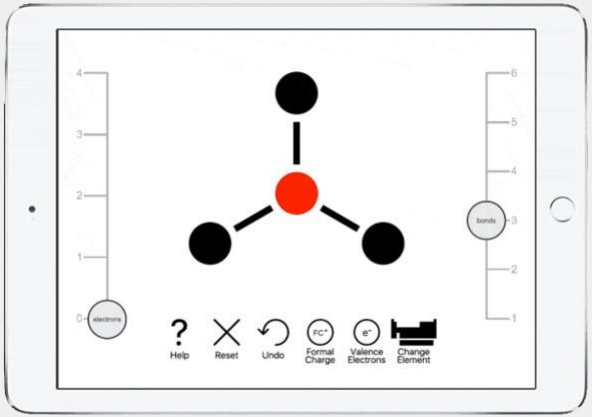
Type
Chemistry learning platform.

Competitive advantage
The platform enables the digitization of chemistry-related content, making it more interactive.

Price
No information is provided regarding the price, which is calculated based on the number of students.

Number of users
The exact number of users is not specified on the website, but the solution is deployed in over 700 higher education institutions, including several renowned universities such as the University of Florida, Central Michigan University, etc.

Level of development
Aktiv Chemistry, founded in 2016, has between 50 and 200 employees and is headquartered in New York, United States. It is part of the Top Hat Group, a major player in the EdTech sector. The company collaborates with numerous universities across several countries, mainly in the English-speaking world. Its solution, clearly geared towards higher education, demonstrates a certain degree of maturity and expertise in the field.



How does it work?
The teacher and students have personal logins that allow them to access the platform. Once logged in, students can take courses, participate in learning classes, complete exercises, and take quizzes, all under the supervision of their teachers.

Link https://aktiv.com/

Aktiv: Chemistry in the digital age

Features:

- The tool **identifies each student's** gap in maths and chemistry by assessing their prior knowledge. It then automatically suggests **personalized remedial work,** tailored to each student's specific needs.
- It is possible to conduct **interactive surveys directly in class,** allowing you to collect students' responses in real time and stimulate educational exchange.
- Aktiv Chemistry offers an **extensive library of questions for chemistry courses,** such as general chemistry, introductory chemistry, organic chemistry, and complex chemistry. **Teachers can also modify exercises and create new ones.**
- The tool offers **automatic correction** with a variety of **customizable grading policies** depending on the type of assignment. Settings include points per question, participation credits, penalties for late submissions, variable attempts per question, penalties for incorrect attempts, and much more. For added security, it is possible to **remotely monitor exams** using another software called Proctorio.
- The solution can be used on **several types of devices:** tablets, smartphones, and computers.
- Aktiv Chemistry's gradebook is **synchronically with most LMSs,** such as Canvas, Blackboard, Moodle, and D2L.

Matific fonctionne

Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

Aktiv: Chemistry in the digital age

The majority of courses are now delivered in digital format, particularly in higher education. However, some subjects remain more difficult to digitize than others. This paradox can be explained by the fact that the subjects best suited to the benefits of digital technology, particularly thanks to its potential for interactivity and adaptability, are sometimes the most complex to digitize. This is particularly true of sciences such as geometry and physics and chemistry. Aktiv is striving to meet this challenge by offering a digital version of chemistry, with the aim of making learning livelier and engaging.

- A major advantage of this solution is its ability **to make chemistry lessons interactive,** particularly through the use of animations, graphics and different types of exercises. A concrete example is the ability to reconstruct the structure of atoms by visually connecting their components, **making these concepts more concrete and accessible.** Visualizing and manipulating abstract concepts greatly facilitates the understanding of chemical theories and makes lessons more engaging. In this context, it is likelier that students will improve their exam results. In addition, the platform already offers a set of ready-to-use lessons and exercises, which **saves teachers considerable time.** Teachers can still modify the exercises if they wish.

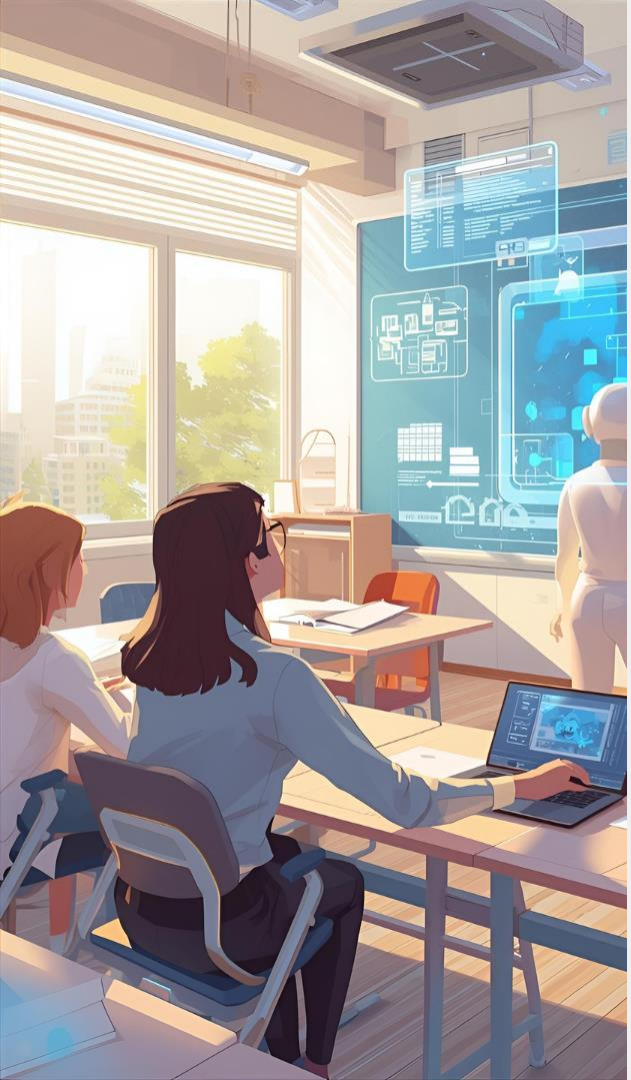
- Automatic skills assessment is an asset for both students and teachers. Not only does it identify gaps, but it also **suggests tailored exercises to reinforce knowledge in a personalized way.** Teachers save valuable time, which they can spend on individual support for students, while students feel more guided and **reassured about their progress.** This support is all the more important given that the transition from secondary school to university involves a significant change in autonomy, which can often be difficult to manage. Thanks to these tools, the classroom becomes a real space for exchange, where discussion and interaction are prioritized over simply correcting homework. The platform also includes features such as guided discussions and quizzes integrated into the course, **facilitating interaction and strengthening student engagement.**

- The tool enables automatic correction of papers, while offering a wide variety of customizable grading policies depending on the type of assignment. This gives teachers complete control over grading, while automating repetitive tasks. The significant time savings allow teachers to focus on other educational tasks and, in the case of teacher-researchers, **to devote more time to their research work.** In addition, the option of integrating cheating detection software during exams is an attractive feature, ensuring the integrity of assessments while reducing the need for manual supervision.

- The integration of the tool into LMSs, or digital learning environments, makes it much easier for educational institutions to adopt. It **reduces implementation costs and facilitates adoption,** particularly among users who are most resistant to change, by fitting into an already familiar digital framework. In addition, the tool is accessible on various types of devices, such as tablets, smartphones and computers. This allows students to access it easily, without the need to invest in new equipment, **which enhances its accessibility and flexibility of use.**

However, this solution can have a negative effect:

- With the rise of digitalization, both within schools and more broadly across society, it is essential to **not widen the digital divide.** Although this inequality is tending to decrease as generations become more familiar with digital tools, some students may still encounter difficulties. This is particularly true for exchange students from countries where access to technology remains limited. **It is therefore important to support this digital transition** in an inclusive manner, so that no one is left behind.



September 2025 edition

Edtech trend analysis

Key technological trends

Represent **opportunities or threats** for the various players in the sector

- Gamification
- Intelligence Artificielle (AI)
- Big Data
- Virtual Reality (VR)

Report release
2025 State EdTech Trends Report

The 2025 State EdTech Trends report, developed in collaboration with Whiteboard Advisors, presents the views of education technology directors, IT directors, state officials, and other leaders. AI is ranked as both the top priority and the top initiative in education technology.

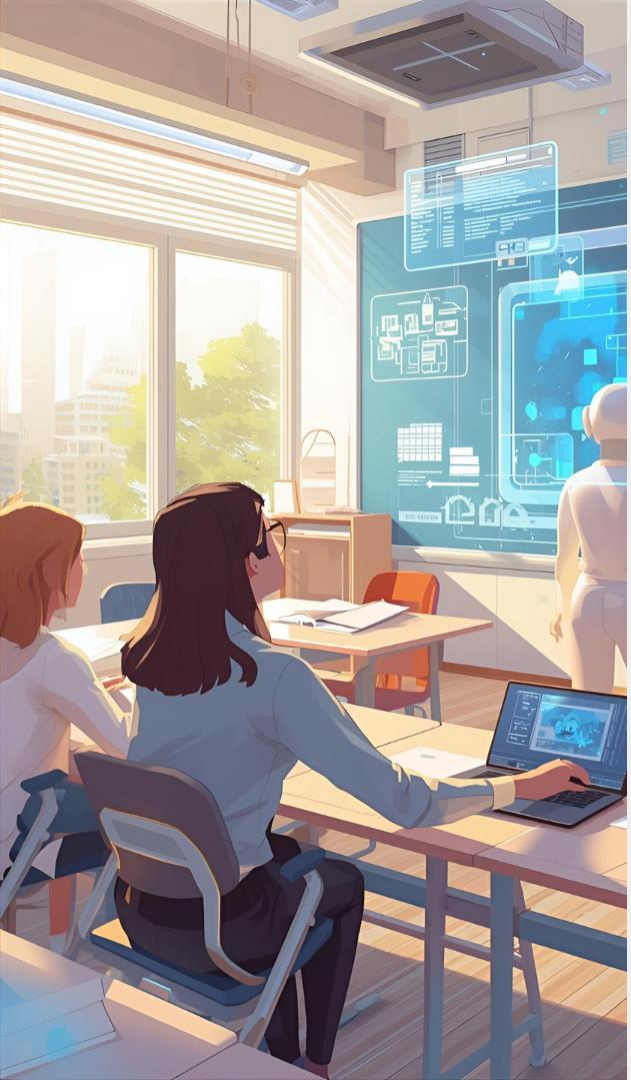
Notable developments

*German EdTech startup Knowunity raises **EUR 27 million (CHF 25.22 million)** to offer AI tutoring to 1 billion students.*

*Opennote, a start-up specializing in educational technology, has raised **USD 850,000 (CHF 675,000)** for its personalized learning platform for undergraduate students.*

*Yourway Learning has secured **USD 9 million (CHF 7.15 million)** in funding to develop its artificial intelligence system specifically designed for primary and secondary education.*

*Galaxy Education (GE), a Vietnamese company specializing in educational technology, has secured financing of nearly **USD 10 million (CHF 7.95 million).***



Preparing students for technological challenges

A previous report discussed the various developments in artificial intelligence, confirming that its adoption is accelerating. The aim of this new report is to provide a forward-looking analysis of potential developments in the education sector.

Background

Background

The current situation is paradoxical: **digital technology is now so deeply integrated into our societies that almost the entire population owns a smartphone in 2025.** At the end of March 2025, nearly 95% of people aged 14 and over were using the internet. The study also highlights the devices preferred by Swiss people to connect to the internet: smartphones dominate, with 94.7% of internet users using them. This phenomenon is all the more impressive given that this technology is less than 20 years old, with its rise dating back to the arrival of the first iPhone in 2007.

However, this revolution is not without its drawbacks. Smartphones, and digital technology in general, **have become so deeply ingrained in our habits that it seems difficult to go back:** whether it's finding your way around without GPS, listening to music, or browsing social media. One figure illustrates this dependence well: according to a survey published by Comparis, nearly half of the Swiss population shows “clear to pronounced” signs of smartphone addiction, while only 23% of participants say they have no difficulty being without them. As many articles point out, this trend is even more pronounced among young people.

In contrast, a large number of schools in Switzerland have chosen to ban smartphones from classrooms. This ban addresses several concerns: limiting bullying, **reducing addiction, improving student concentration, and preventing the easy pursuit of instant gratification.** The cybersecurity barometer published by the insurer AXA on August 12 is clear: 81% of the Swiss population is in favor of banning mobile phones in schools.

This creates a complex situation: **students are deprived of smartphones at school, even though they live in an increasingly digitalized environment.**

Soft skills

Today, thanks to artificial intelligence, it is possible to perform complex analyses, write clear and well-formulated emails, or even write code with little expertise. **We are seeing that technical skills, commonly referred to as hard skills, are becoming much more accessible to a wider audience.** Take programming, for example: even though understanding the logic and structure of a script remains essential, today's tools make creating new code simpler and often more efficient. This example illustrates a broader trend found in many technical professions: some tasks that were once complex are now easier, or even automated.

This naturally raises the question: in the field of education, with the advent of these recent technologies**, how important is learning really?** If information can be obtained or code generated in a matter of seconds, how should teaching evolve?

It should be remembered that learning is not just about producing a result, **but also about structuring thought, developing the ability to argue and cultivating a critical mind.** Education does not just train people to follow orders, but individuals capable of understanding, analyzing and making relevant decisions. Beyond hard skills, **soft skills are becoming increasingly important.** It is highly likely that, as automation reduces the exclusivity of technical skills, **interpersonal skills will become more important.** We are already seeing this in the professional world: many companies favor graduates from prestigious universities not only for their technical skills, but also for specific abilities such as clear communication, critical thinking, creativity, leadership skills, and the richness of their networks.

Recent statistics confirm this trend: more than 90% of recruiters believe that soft skills are as important as, if not more important than, technical skills. Some studies (LinkedIn, WEF) even go so far as to claim that 70 to 75% of professional success now depends on soft skills.

One of the main objectives of educational institutions is to improve the employability of their students. With this in mind, **it is only natural that soft skills are becoming increasingly central to education.** However, they are still rarely assessed systematically. We can therefore anticipate changes in school and university curricula in the coming years, with more emphasis placed on the assessment and development of cross-disciplinary skills: communication, collaboration, critical thinking, adaptability, and creativity.

In summary, the advent of new technologies is upsetting the balance: technical skills (hard skills) are becoming more accessible, while human skills (soft skills) are gaining in value. Beyond this observation, **this transformation requires a new vision of education,** accompanied by profound changes in teaching methods. Such a change requires strong commitment from educational institutions, but also institutional support, with clear guidelines from the government to accompany and reinforce these initiatives. The changes ahead are therefore likely to be significant and exciting, **marking a decisive step in the evolution of the world of education.**

VirtualSpeech : Speak, Shine, Succeed

VirtualSpeech is a training platform that uses virtual reality to develop key skills such as public speaking and communication.

Type
Training platform.

Competitive advantage
The solution allows users to practice speaking in different contexts in a secure environment, without any real pressure. The use of artificial intelligence allows users to practice with adaptive responses.

Price
For individual pricing, the price is USD 45 per month (CHF 35.8) or USD 399 for a one-year subscription (CHF 318). The tool does not include the purchase of a VR headset, so this equipment must be purchased separately if you want to use all of the features. For schools and businesses, the price is indicated on the quote.

Number of users
The platform claims to have more than 550,000 users in over 130 countries.

Level of development
VirtualSpeech was founded in the United Kingdom in 2016 as a way to practice public speaking in a more realistic way. Since then, the company has been featured in numerous media outlets such as the New York Times, WSJ, VentureBeat, Huffington Post, Forbes, etc. It has also won several awards including Start-Up Learning Provider of the Year 2019, VR Awards, etc. According to its LinkedIn page, the company has 20 employees, which seems relatively small given the number of users.

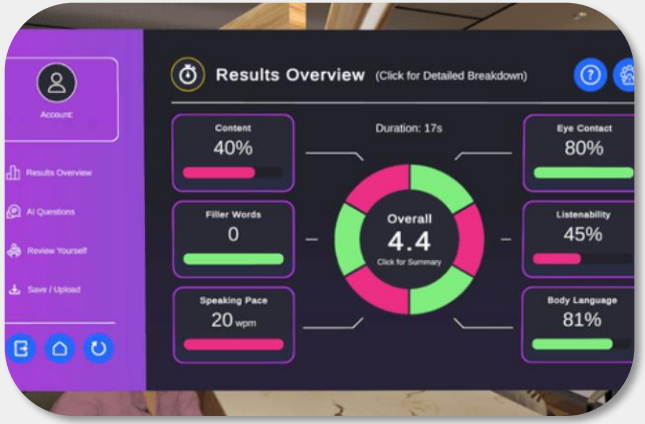
How does it work?
The platform offers several modules corresponding to real-life situations, such as a job interview, a presentation, or even a conversation in a café. Thanks to artificial intelligence and the use of a virtual reality headset, the environment and dialogues are simulated to help learners reduce the stress associated with speaking in public.

Link https://virtualspeech.com/

VirtualSpeech : Speak, Shine, Succeed

Features:

- The solution **offers exercises with or without a virtual reality headset.** However, without using one, it loses much of its appeal.
- **There are more than 25 training topics,** not including the professional ones available. It offers a “Roleplay Studio” module, which allows users to create their own role-playing games in less than five minutes using code-free creation tools. It is also possible to go further and request the **development of a specific situation.**
- Artificial intelligence generates fluid conversations, but **above all questions and answers based on the conversation** and not just pre-recorded phrases.
- VirtualSpeech offers the possibility **to communicate in 16 languages.**
- After completing a module, **learners and teachers are provided with a summary in the form of a dashboard** containing unique data captured from virtual reality and online exercises. This report highlights areas for improvement as well as progress over time. **The assessment includes both verbal and nonverbal components.**
- Beyond this dashboard, teachers can receive audio **recordings of student performances** to provide individualized, personalized assessment or feedback.
- The solution **is compatible with several VR headsets,** as well as various LMSs and APIs.



Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

As mentioned above, it is reasonable to assume that soft skills will become increasingly important in the coming years. Among these, communication, and more specifically the ability to speak in front of an audience, is essential. While few jobs require speaking to a large audience, many professionals must regularly present reports or speak in front of small groups. This is why good elocution and oral fluency are important assets. VirtualSpeech offers a solution that allows you to work on your oral expression in optimal conditions, in order to develop solid habits for presentations, interviews, and other professional situations.

- Public speaking can quickly become a source of stress for learners. This problem often persists in the professional world, where it can become restrictive. While some individuals are naturally more comfortable than others, the major difference lies in practice. In schools, depending on the curriculum and teaching methods, students are required to give more or fewer oral presentations. **The more a student practices, the more confident they become.** Conversely, if they are never confronted with it, the situation is likely to remain anxiety-provoking and turn into lasting fear. For teachers, however, organizing presentations remains complex: in a class of 30 students, with only 10 minutes per presentation, it would take nearly 5 hours for everyone to present, which takes up a large part of teaching time. The proposed solution circumvents this difficulty **by allowing several students to practice at the same time,** which saves a considerable amount of time.

- One of the main obstacles to oral practice among students is the fear of judgment and the fear of looking ridiculous. Without this pressure, it becomes much easier to express oneself clearly. **The use of a virtual reality headset provides an environment that is both safe and realistic enough to build confidence,** even in real-life situations. In addition, the fact that artificial intelligence can respond based on exchanges with the student reinforces the realism of the experience. As a result, learners gradually gain confidence in different contexts. Finally, the immersive and **playful nature of virtual reality stimulates student engagement and encourages them to actively participate in exercises.**

- Beyond public speaking, the platform offers numerous **scenarios that are particularly useful in the professional world but often overlooked in traditional learning programs,** even though training should prepare students for the world of work. These include traditional presentations, job interviews, pitches, and many other scenarios that prove invaluable both for advancing within a company and for job seekers.

- Once the module is complete, VirtualSpeech provides detailed feedback on students' speaking skills. This feedback takes into account both verbal language, i.e., the content of the conversation, and nonverbal language, such as posture, eye contact, and gestures. **This aspect is particularly important, as it is difficult to analyze even for a teacher.** The tool then assigns a score, along with areas for improvement and a comparison with previous sessions. Teachers also have the option of viewing the recording of the presentation to complete their assessment.

However, there is one negative point:

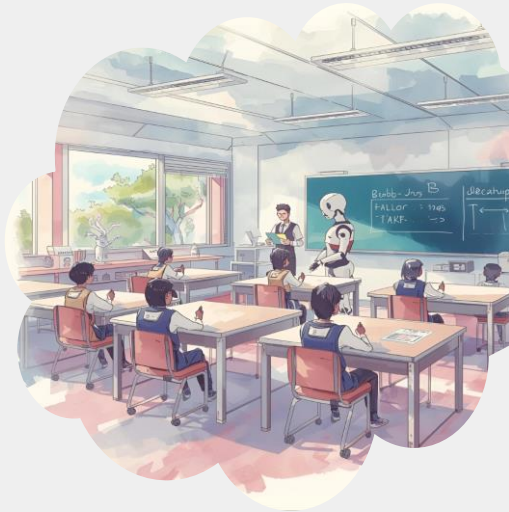
- In a classroom setting, if too many students use the solution at the same time, it can be difficult to concentrate, so the tool **seems to be limited to around 4 or 5 students simultaneously.** Furthermore, this type of solution is only a training tool and **cannot replace real-life situations** with real people. It is a good starting point for preparation, but it must be supplemented by real-life situations, whether in interviews with professionals or exercises supervised by teachers. For educational institutions, artificial intelligence should be **seen as a teaching aid, not a substitute.**

New materials?

Beyond questioning established practices in schools, **it is essential that learners be trained in artificial intelligence.** This involves both learning how to write effective prompts and understanding that AI is based on statistical and probabilistic models, which do not always provide accurate solutions.

Today, a company that does not use AI for certain tasks risks being less productive than one that does. The situation is comparable to a company that has never adopted computers and continues to write everything down on paper: it works, but at the cost of wasted time and efficiency. **In this context, it is essential that students not only know how to use these tools, but also understand how they work** in order to identify their limitations and know when AI is relevant and when humans need to take over.

This phenomenon is also visible in Switzerland. **According to RTS, Swiss companies are increasingly looking for specialists in artificial intelligence.** To meet this demand, new professional and academic training programs are emerging. From 2026, it will even be possible to obtain a federal diploma as an AI specialist. It is likely that this type of module will gradually be integrated into more traditional curricula. However, a number of teachers remain reluctant to let students work with AI, which may slow down this process.



Google: Draw, train, AI guesses

Google has launched two websites, Teachable Machine and Quick, Draw!, which help users better understand how AI works through interactive mini-games.

Type
Interactive web applications.

Competitive advantage
Both applications are accessible directly from a web browser and easy to use.

Price
The tools are completely free.

Number of users
There are no official figures for Teachable Machine, but as it is a free app developed by Google, we can assume that it has already been widely used. On the other hand, for Quick, Draw!, more than 15 million players have contributed by creating millions of drawings.

Level of development
Google needs no introduction. A major player in the digital world, it now employs nearly 180,000 people worldwide. Its current ambition is to position itself as a pioneer in several innovative sectors, particularly in the field of artificial intelligence. For several years now, Google has been offering the general public small, free applications and games that are both fun and educational. With Teachable Machine and Quick, Draw!, the goal is clear: to promote AI, make it more accessible, and enable as many people as possible to better understand how it works.

How does it work?
Access to both applications is completely free: no registration is required, all you need is a web browser to start using them. These interactive games offer a simple and fun way to better understand how an artificial intelligence algorithm works.

Link https://quickdraw.withgoogle.com/

Features:

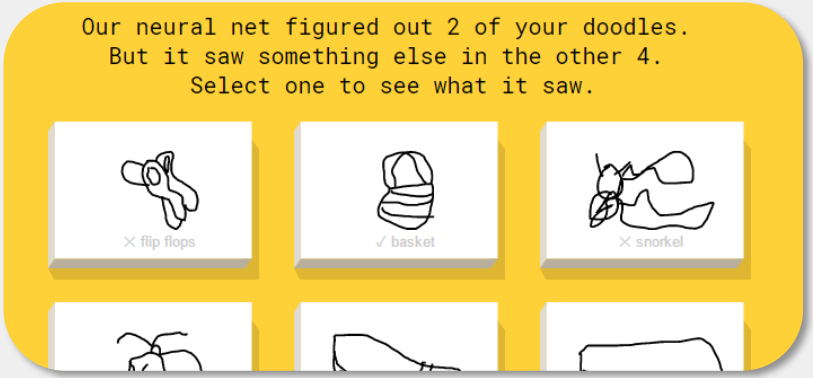
- Both applications **can be used without login credentials,** but since they are linked to the Google ecosystem, it is possible to save projects directly to Google Drive. This not only allows you to return to them later, but also to share or resume a project created by someone else.

- Teachable Machine offers different types of models for training. The first is the image-based model: the user creates several classes composed of visual examples used for learning. Once training is complete, **the tool uses a predictive model to analyze a new image and indicate, with a percentage probability, which class it belongs to.** Examples can be provided either from photo files or directly via the webcam.

- Two other modules operate on the same principle. **The first uses audio:** the model trains on different sounds so that it can distinguish between them, for example to recognize a style of music. **The second is based on postures:** using images or a webcam, the AI learns to identify and differentiate between movements or body positions.

- It is then possible to **modify the model's training parameters in order to observe its evolution and performance.** The model can also be exported for reuse, adaptation, or integration into other projects.

- Quick, Draw! invites users to draw the word displayed on the screen with their mouse. If the AI recognizes the drawing, a point is awarded, out of a total of six attempts. At the end of the game, **users can see why the AI recognized or did not recognize a drawing,** based on its vast database of examples.



Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

Artificial intelligence today represents a real revolution affecting various fields such as health, education, research and work. Its rapid adoption can be explained by its ease of use, its online accessibility and the fact that it does not require advanced technical skills. The immediate and often spectacular results reinforce its appeal, as does the 'wow' effect experienced during initial interactions, accentuated by new features such as oral dialogue and advanced search. Hence the importance of understanding how it works: AI is based on statistical models that produce plausible, but not always accurate, results. In an educational context, it is therefore essential to learn how to use it while developing a critical eye to know when human intervention is still necessary.

- Teachable Machine allows learners to visualise how artificial intelligence works in concrete terms, and **more specifically to understand the importance of the datasets on which it is trained.** The most telling example is based on images: the larger and more diverse the sample for each category, the better the algorithm will be able to correctly recognise which class a new image belongs to. The tool also offers the possibility to modify certain training parameters, allowing users to directly observe the impact of these settings on the final model**. Students thus discover the basics of machine learning in a fun way,** which increases their motivation and interest in the subject. In this way, integrating AI into the classroom not only benefits students, but also makes the course more interactive, clearer and therefore easier for the teacher to deliver.

- While images are a first step, it is also possible to explore other formats such as audio or postures. This allows for a deeper exploration of the subject while noting that the learning process remains similar from one model to another. **The experience can become fun,** for example by comparing two styles of music or contrasting the human ear with that of AI, in order to observe how many samples it takes for the model to improve in performance.

- Quick, Draw! is an app with a particularly interesting concept. The tool suggests a word, and the user has to draw it in a few seconds. The AI then tries to guess what the drawing represents. After a series of six attempts, the app displays the results: either the words were recognised, or the AI suggested another term that it deemed more likely. The most relevant aspect is that the tool explains its choices: it shows why it thought of a particular word and compares it with other drawings from its database. This illustrates a fundamental point: **the AI is based solely on the examples it has seen during its training.** So, if a student draws an object in an original or unusual way, the AI may not recognise it, because the majority of people in the training set did not represent it that way. This experiment teaches us a lesson: **AI can be effective for certain tasks, but its results depend directly on the quality and diversity of the training data.** Students then intuitively understand that AI tends to reinforce dominant representations and has more difficulty recognising new ideas or forms.

- Finally, these applications do not claim to explain in detail how AI works, but they do provide a **better understanding of the concepts involved and, more specifically,** the importance of data sets.

However, one point requires vigilance:

- It would be naïve to believe that companies whose goal is profitability actually offer free services. A now well-known saying reminds us: 'If it's free, you're the product. "In other words, when platforms are not financed by advertising, they generally profit from users" personal data. This information is analysed, resold or used to improve algorithms. This therefore requires particular vigilance, especially in an educational setting where students may be asked to share their photos, creations or other sensitive data.

Unlimited customisation

Although artificial intelligence is based on mathematical logic, it stands out for its ability to personalise responses according to the interlocutor. It can also store **conversation history to ensure continuity and consistency in exchanges.** This feature is already being used in several areas, particularly in chatbots used in customer service, and in video games, where AI makes dialogue more natural and interactive. A notable example is the game ‘Suck Up!’, which is based exclusively on conversational interactions with artificial intelligence.

In the field of education, this capability **could be used to tailor courses to the specific needs of each learner.** The teacher would then take on a supervisory role, monitoring their students' progress. This approach offers a real advantage: **it would allow everyone to progress at their own pace while still achieving** a common core of knowledge. Tools that are already available, such as Gemini, ChatGPT and Claude, offer a glimpse of these possibilities. They could, for example, offer revision methods tailored to each student's strengths and weaknesses, particularly through project modules.

However, these solutions are not yet specialised for specific educational purposes. It is conceivable that in the future, **institutions will regularly work with AI designed specifically for teaching,** with a database focused solely on course content and exercises. This would enable them to offer personalised support to students without overwhelming them with a mass of general information. This prospect is particularly relevant in universities, where a professor may sometimes have to teach several hundred students. In such a context, students could ask their questions directly to the AI, and when the answer is insufficient or too complex, the professor would intervene. **Such a system would save considerable time for teaching staff, who could then devote more time to high value-added tasks,** such as research or individual support.

Century: a personalised tutor

Century Tech is an artificial intelligence-based educational platform that personalises learning paths according to each student's level and needs.

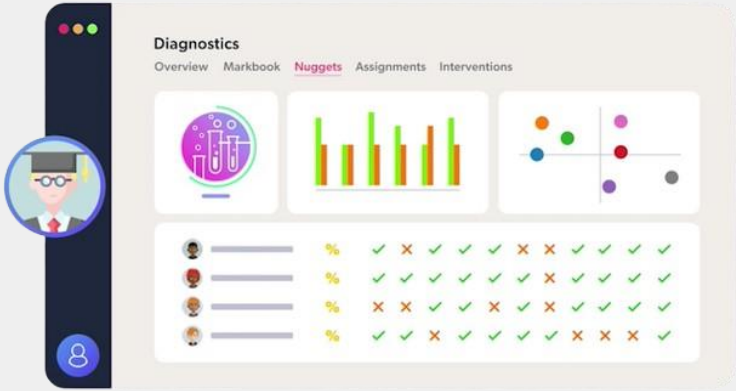
Type
Educational platform.

Competitive advantage
Ability to combine personalised learning with support for teachers.

Price
Prices vary depending on the school year: the higher the level, the higher the cost. Prices start at GBP 910 (CHF 980) per year per school for KS1 (pupils aged 5 to 7) and can exceed GBP 2,650 (CHF 2,850) per year per school for Post-16 (pupils over 16).

Number of users
No information was found on this subject.

Level of development
Founded in 2013 in London by entrepreneur Priya Lakhani OBE, Century Tech's mission is to provide teachers and learners with intelligent tools that promote success. According to its LinkedIn page, the company now has 117 employees and has won several prestigious awards, such as the Edtech Impact Award 2022, the Edtech UK 50 Award, and a place as a finalist in the Education Resources Awards. These accolades, combined with its long history, testify to the company's strength and credibility in the edtech sector.



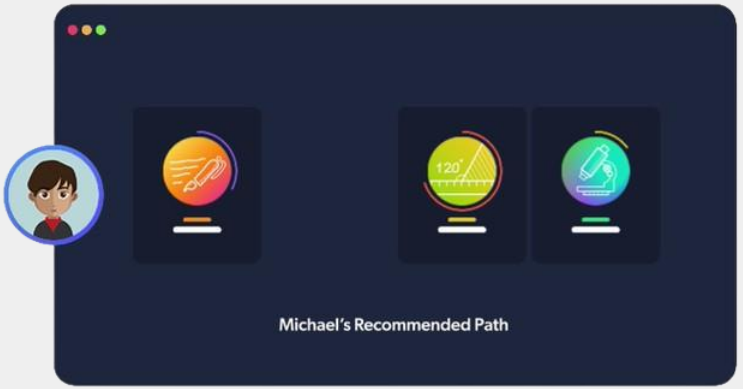
How does it work?
The platform offers a comprehensive interface that enables teachers to deliver their lessons. Learners log in and work on different modules depending on the subject. Exercises are automatically adapted to each student's level in order to personalise the learning experience.

Link https://www.century.tech/

Century: a personalised tutor

Features:

- The tool allows you to **set up 'smart assignments' that correspond** to personalised exercises for each student in just a few clicks. It is then easy to track student engagement and completion.
- **Basic assessments** are available to identify students' weaknesses more precisely or to assign a grade.
- The platform collects various data which can then be **presented in the form of a dashboard** to monitor pupils' performance and guide future educational choices.
- Century offers to **share various information with parents** to support their child's learning.
- The solution seamlessly **integrated captivating BBC programmes into its award-winning** teaching and learning platform. With over 75 hours of educational video content from iconic programmes such as Blue Planet II and The Planets, and 4,500 formative assessment questions.
- Tasks such as lengthy writing assignments can be corrected quickly and **easily using the audio and video comment feature.**
- **Several subjects are available** depending on the class level.



Kindergarten ★★★	High School ★★☆
Elementary School ★★★	University & school ★☆☆

Century: a personalised tutor

It is difficult for a teacher to monitor each of their students individually in a class of 25 or 30 people, where each learner has their own strengths and weaknesses. However, traditional teaching remains the same for everyone, with uniform lessons and identical homework assignments, aimed primarily at passing an exam. This approach does not always take into account the real needs of each student: some progress faster and become bored, while others encounter difficulties and drop out. To address this challenge, Century uses artificial intelligence to personalise learning, adapting content and pace to each student's skills and progress.

- The main added value of this solution is that **it enables truly personalised learning by adapting exercises** to the specific needs of each learner. The process begins with an initial test that identifies strengths and, above all, areas for improvement. The platform then automatically suggests targeted exercises based on these results. In this way, **students who are struggling receive tailored support that allows them to progress independently,** without relying exclusively on the teacher, while more advanced students are no longer constrained by the average pace of the class and can **deepen their knowledge at their own speed.** This means that no one is left behind: those who are less comfortable consolidate their knowledge, and the most brilliant continue to be intellectually stimulated. For the teacher, the benefits are also considerable. On the one hand, they can focus their energy on the pupils who are experiencing the greatest difficulties and for whom human support remains essential. On the other hand, they save valuable time, as the platform automatically generates tailored assignments, corrects them and provides detailed monitoring of each pupil's progress and engagement. This approach not only **optimises teaching effectiveness, it also makes the learning experience more motivating and equitable** for the whole class.

- Beyond saving time and offering personalisation, the platform provides exercises that are more interactive and engaging than simple lessons in a workbook. In particular, it includes educational videos that diversify the content and make learning more attractive. **This approach helps to energise lessons, capture students' attention and stimulate their motivation.** The variety of teaching formats also makes it possible to cater to different learning styles, reaching a greater number of students and leaving no one behind.

- It is not always easy for parents to closely monitor their children's schooling, especially when they themselves have particularly busy schedules. However, numerous studies show that greater parental involvement generally has a positive impact on academic results. To encourage this involvement, the platform provides detailed statistics, presented in clear and accessible dashboards. This information can be sent directly to parents and is also available to teachers, **giving everyone a better overview of the student's progress, difficulties and commitment.**

- Automatic correction of exercises and tests saves teachers a considerable amount of time. However, teachers still have the option to review and adjust corrections if necessary. The tool goes even further by providing feedback in the form of audio and video clips **to help learners better understand their mistakes.** This approach promotes genuine collaboration between the teacher and artificial intelligence, combining technological efficiency with human educational support.

Nevertheless, this solution may raise questions:

- Beyond the time savings it provides, it is essential not to rely excessively on this type of tool, at the **risk of reducing the richness and diversity of teaching approaches.** By focusing primarily on a more academic approach to learning, the tool can tend to standardise methods and stifle the creativity of both teachers and learners. However, no teaching model is universal: each student learns differently, according to their own pace, needs and abilities. It is therefore important to consider this type of AI as a complementary support, **useful for accompanying learning, but certainly not as a single solution or an end in itself.**

The Issues of Artificial Intelligence

Through the various examples observed above, we can see that artificial intelligence will bring about profound changes in the education system, with numerous advantages for teachers, students and schools alike. However, most of these tools are based on existing models, trained using external corpora or databases.

One of the problems that is still not discussed enough is that these tools reflect our society and therefore reproduce existing biases: cultural stereotypes, responses centred on a Western perspective, or even implicit orientations towards certain types of discourse. **Yet education aims precisely to develop learners' critical thinking skills.** If AI is not used thoughtfully, this critical thinking may be weakened, even though it will become essential in the years to come. This phenomenon is also accompanied by model 'hallucinations', i.e. the invention of non-existent information or sources. This problem, which is inherent in the probabilistic functioning of AI, must be understood and explained by teachers so that they can pass it on to their pupils and teach them to use these tools with discernment.

Personal data circulating between different tools is another major issue: it can be used by companies to improve their algorithms, at the expense of privacy. However, data relating to schools and pupils is particularly sensitive and should be strictly protected. It remains difficult to know precisely how the major digital players collect and use this data, and recent scandals have shown that transparency is not always guaranteed.

Faced with these challenges, a promising development is emerging with the **implementation of local AI,** hosted directly within institutions. This approach has many advantages: **it allows for better control of training data, reduces bias in external models,** and ensures enhanced privacy protection. Information remains stored on internal servers, facilitating compliance with GDPR standards. In addition, local AI can be fully customised, more reliable and responsive, precisely meeting the needs of teachers, students and the institution. **In this context, initiatives such as Apertus, presented as the first 100% Swiss AI, are an interesting avenue to explore.** Although it still has several technical limitations, it has the merit of being transparent about how it works and paving the way for the ethical and sovereign development of artificial intelligence. At the European level, Mistral is also worth mentioning: both models can operate entirely locally, **thus ensuring a safe and controlled environment for schools.**

Finally, this transformation also highlights an issue that is already familiar in the field of IT: **the digital divide.** Some schools and pupils will be well equipped to take advantage of these new technologies, while others will be much less so, which risks widening existing inequalities. This is why sensible and equitable investment is essential to ensure that this development benefits everyone and does not reinforce current imbalances.

AI in schools: educational opportunities and challenges

New technologies must be approached with caution, but artificial intelligence, due to its **profoundly disruptive nature and rapid adoption,** deserves special attention today. Thanks to the widespread use and accessibility of digital technology, this recent technology has already become widely available, affecting a large number of people and sectors of activity. This is why the field of education, and more specifically school curricula, must address the issue without delay. We are already seeing the emergence of training courses designed to prepare people for the use of AI, **but it would be desirable for all schools to include at least an introductory module.** The aim is to avoid a divide between those who master this tool and understand how it works, and those who remain unfamiliar with it, which could exacerbate inequalities, particularly in a labour market where AI skills are increasingly sought after.

Understanding AI is indeed a key issue. **First, it allows us to grasp that these systems are based on probabilistic models: the answers they provide are therefore not always accurate and may contain errors,** sometimes referred to as "hallucinations". This limitation is reinforced by the fact that **AI aims to satisfy the user,** even if it means agreeing with them when their statements are inaccurate. Being aware of these aspects is essential for developing a critical and thoughtful use of these tools. The initial surprise at their performance is certainly impressive, but it should not obscure their real limitations, which are important to know and teach. Furthermore, the tool inevitably incorporates biases derived from the training data and the very functioning of its algorithm, **which may influence the nature of its responses.**

Despite these precautions, AI offers particularly interesting prospects in the field of education. **Its main advantage lies in the personalisation of learning:** it is capable of providing tailored explanations, offering targeted exercises and adjusting to the pace of each learner. Students thus benefit from more individualised support, while teachers save time by automating certain repetitive tasks and can focus on higher value-added tasks, such as personalised monitoring or supporting students in difficulty.

Finally, it is likely that the rise of AI will lead to a shift in the skills sought after in the labour market. Tasks based purely on memorisation, such as translation, are likely to become less important, **while companies will place greater value on human skills that AI cannot replace, particularly soft skills** such as communication, creativity, critical thinking, collaboration and emotional intelligence. This will require a transformation of the education system, which will gradually have to place greater emphasis on interpersonal skills, relationship skills and oral expression to better prepare students for this new professional environment.

Summary of the December 2025 edition

Definition of Edtechs

Methodology

Trends Analysis

turbo ai

Turbo AI is a learning platform that enables faster learning. It uses AI algorithms to transform your raw data into organized notes.

evulpo

Evulpo offers students a world of digital learning with explanatory videos, summaries, and exercises on all important school subjects.

testwe

Testwe is an online assessment design tool that offers great flexibility for creating customized exams in a variety of formats, while allowing for monitoring of controls.

Schoolbeat

Schoolbeat is an interactive platform that helps students improve their mental health with videos based on real-life issues, from which they can choose their own story.

Candli is an educational web platform that allows students to design their own video games using drawings and images, while developing skills in programming, mathematics, etc.

Edtech trend analysis

Main technological trends

Represent **opportunities or threats** for the various players in the sector

- Gamification
- Artificial intelligence
- Big Data
- Virtual Reality (VR)

Publication of report
"Data Governance for EdTech''

UNICEF, in partnership with UNESCO and the Global Privacy Assembly (GPA), has published a report on data governance in the field of educational technology (EdTech). This study provides a global overview of the opportunities and risks associated with the use of data and digital tools in education, with a focus on issues of child rights protection, privacy, equity, and security.

Notable highlights

MES MyEdSpace

*MyEdSpace, a leading London-based online education platform, announced today that it has raised **EUR 12.8 million (CHF 11.9 million)** in a Series A funding round.*

we will write

*With 73% of students struggling with writing, Oslo-based company WeWillWrite raises **EUR 2 million (CHF 1.86 million)** to restore the joy of writing.*

Flint

*Flint raises **USD 15 million (CHF 13.2 million)** to make personalized education accessible without increasing teachers' workload*

Uolo

*Edtech start-up Uolo has raised **USD 7 million (CHF 6.93 million)** in a funding round led by Australian venture capital firm Five Sigma.*

Turbo AI: Accelerate your learning

Turbo AI is a learning platform that helps you learn faster. It uses AI algorithms to transform your raw data into organized notes and other study materials.

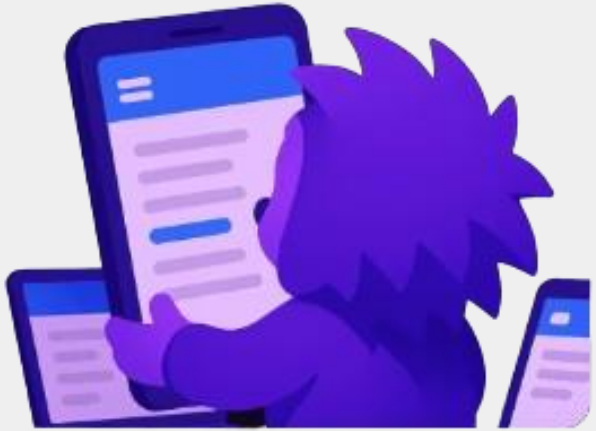
Type
Content creation platform.

Competitive advantage
The tool speeds up the creation of different types of documents to accelerate the learning process.

Price
Turbo AI offers a free version that includes note generation, flashcards, and quizzes. You can upgrade to unlock unlimited features and advanced AI capabilities. The Pro version is available for USD 3.99 per month (CHF 3.20), and the unlimited version is available for USD 8.99 per month (CHF 7.17).

Number of users
According to the official website, the solution claims to have more than 5 million active students.

Level of development
Turbo Ai, formerly known as Turbolearn Ai, is a recent company founded in San Francisco, USA. According to its LinkedIn page, it currently has between 2 and 10 employees. Based on its website, many students use the solution. Furthermore, the app, available on Google Play, has a rating of 4.6 with over 219,000 reviews. This suggests a good level of development.



How does it work?
You must log in to the platform using your credentials. Then, the solution transforms various types of content, such as videos, audio files, and documents, into clear and structured content.

Link https://www.turbo.ai/

Features :

- The solution involves converting a wide variety of educational materials. **Several formats are supported,** including PDF files, YouTube links, and live lectures, which can be recorded from the audio so that the content can be used later.
- Turbo AI **automatically generates flashcards to facilitate the assimilation of key concepts.** The system uses an intelligent approach based on spaced repetition, which adapts to the pace and needs of each learner.
- A **dashboard is available to identify progress** but also weaknesses.
- **Questionnaires can be adapted according to topics and chapters** with different levels of difficulty for exams. Corrections and explanations are then provided to help students understand their mistakes.
- The various documents sent can be **converted into audio files in the form of podcasts.** It is also possible to customize the level of detail, conversation style, and other settings according to user preferences.
- **The platform enables real-time collaboration between users.** Notes can be shared instantly, and changes and highlights are visible live. Artificial intelligence simultaneously assists each participant in a personalized way. Users can comment, exchange ideas, and work together online.
- **A library of books and textbooks is available** to enable learning based on high-quality content.

Kindergarten	★★☆	High School	★★★
Elementary School	★★☆	University & school	★★☆

Turbo AI: Accelerate your learning

With the rise of artificial intelligence, the teaching profession is set to evolve over the coming years, particularly in terms of course material creation. It is becoming increasingly easy to design attractive and effective teaching materials. Until now, this activity has been one of the main factors contributing to teachers' workloads. This development suggests that teachers will now be able to devote more time to higher value-added tasks, in order to support students more effectively. Turbo AI is fully in line with this trend by offering revision materials, as well as potential course materials, developed from multiple sources. This approach generates several advantages for both teachers and learners.

- Teachers have multiple objectives: to stimulate a desire to learn, to develop students' critical thinking skills, and to guide them toward success and passing their exams. In this context, the solution presented is a particularly relevant tool. To generate revision materials, all that is required is to provide different types of documents, which are created or validated by the teacher. **This approach saves time and also allows for the creation of high-quality content.** In addition, the tool incorporates a level system associated with a spaced revision feature, allowing different topics to be reviewed at regular intervals to reinforce memorization. Teachers can thus focus more on creating high-quality educational content that promotes better understanding. By offering students a more fun and effective learning experience, **this solution contributes to improving academic results.**

- The ability to create a podcast from a set of documents appears to be a particularly relevant innovation in several respects. First, this approach differs from traditional learning methods and allows students to discover another way of assimilating knowledge, **thus contributing to the diversification of learning methods.** This feature can be used both online and offline, offering great flexibility: audio content can be listened to in many contexts, such as on public transportation, at the gym, or before going to sleep, when conditions are not conducive to traditional revision. Teachers can create high-quality podcasts from a variety of documents and adjust the level of detail in the content to effectively prepare students for exams.

- The solution proposes the implementation of a collaboration system that can be used in real time or asynchronously. This allows teachers to produce higher-quality documents while offering greater visibility into students' reasoning, making it easier to **adapt the course based on the difficulties encountered.** In addition, with the help of artificial intelligence, it is possible to identify and fill any gaps in the content.

- In theory, the artificial intelligence-based solution is not limited by language or discipline. Highly adaptable, **it can be deployed across the entire institution, reducing training and implementation costs.** This flexibility also applies to devices, as the solution is accessible on computers, tablets, and smartphones via a dedicated app.

However, this type of tool has a negative aspect:

- Revising solely with this type of tool may highlight only certain key concepts and overlook others that are considered less important. **This can therefore limit the development of critical thinking.**

Evulpo: Encouraging students to learn of their own accord

Evulpo offers students a world of digital learning with explanatory videos, summaries, and exercises on all important school subjects.

Type
Learning platform.

Competitive advantage
The solution combines videos, summaries, and interactive exercises aligned with Swiss school curricula (Lehrplan 21), covering the entire school system from 3rd grade through the end of compulsory education.

Price
Evulpo offers a 14-day free trial of the Unlimited plan, allowing users to test all of the platform's features. At the end of this period, the account is automatically converted to the free Basic plan, with no billing or commitment. For educational institutions, the offer is available by quote only and depends in particular on the number of students involved.

Number of users
Launched in 2022, it is now available in seven countries and used by thousands of families and around 100 schools in Switzerland.

Level of development
Founded in Zurich in 2020 by Christian Marty and Jonas Fehlmann, Evulpo is developing a digital teaching and learning platform.
The company raised CHF 8.8 million in a Series A funding round, mainly for product development and international expansion, with around 70% earmarked for research and development.

Link https://evulpo.com/fr/ch

How does it work?
Students create an account, select their country and level, then access lessons structured by subject and theme, including a short video, a written summary, and interactive exercises that are automatically corrected. The platform tracks progress and offers personalized recommendations, notably via Vulpy, an AI tutor that guides students and suggests the next activities.

Evulpo: Encouraging students to learn of their own accord

Features :

- Online access via a web browser, **without software installation.**
- Offers educational content structured by **subject and theme,** covering several years of schooling.
- Institutional alignment with the **Plan d'études romand (PER)** and Swiss national curricula.
- The **learning path is interactive,** consisting of short, progressive, and structured sequences.
- **A gamification system is integrated** with rewards, levels, and progress indicators.
- **A gamification system is integrated with rewards,** levels, and progress indicators.
- **Educational dashboards** providing statistics on progress, learning time, and exercises completed. Teachers can also **send short messages** and even invite students to participate in lighthearted learning games such as "classroom challenges."
- It is possible to **set up parental access** to view students' progress and performance.

Kindergarten	★★★	High School	★★★
Elementary School	★★★	University & school	★★★

Evulpo: Encouraging students to learn of their own accord

Today's education systems face several structural challenges. These include the growing heterogeneity of learning speeds and levels within classrooms, the increased workload for teachers associated with lesson preparation, assessment marking, and individualized student monitoring, as well as inequalities in access to academic support outside the institutional framework. In this context, digital solutions are becoming increasingly important, particularly in meeting the needs for differentiated teaching and personalized learning paths. Evulpo is part of this digital transformation of education by offering an online learning platform designed to support students throughout their schooling, while providing teachers and schools with monitoring and educational support tools tailored to these challenges.

- The solution offers educational content aligned with official curricula, combined with interactive exercises and various digital teaching mechanisms. This approach aims to **support student autonomy and engagement,** while facilitating understanding of the concepts covered and providing operational support to teachers in their daily practice. The learning experience is designed to be personalized, adapting to the pace, level, and needs of each learner in order to promote more targeted and effective progress. The platform is thus positioned as a digital educational infrastructure designed to support learning, **optimize educational monitoring, and improve access to educational resources through the use of digital technology.** The content complies with the educational standards of the various countries covered and adapts to the user's language. This flexibility is also reflected in terms of school levels and subjects: the solution is aimed at students aged 10 to 18 and covers several subjects, including mathematics, English, and history, among others. This multi-level, multi-subject approach allows schools to **share costs within a single platform.**

- The integration of classroom management features is a central element of the solution. These features allow teachers to create and organize groups of students according to various educational criteria, **thereby contributing to a more structured and interactive use of the tool.** By drawing on available tracking data (progress, proficiency levels, learning pace), it becomes possible to form groups of similar ability in order to offer differentiated activities tailored to students' specific needs. Conversely, the creation of deliberately heterogeneous groups can be used **to promote cooperation, mutual assistance, and the development of cross-disciplinary skills such as communication, creativity, and collaborative work.** This flexibility in educational organization gives teachers additional leverage to diversify their practices, adapt learning methods to the objectives pursued, and better respond to the heterogeneity of classes, while maintaining an overview of collective and individual dynamics.

- Dashboards provide statistical overviews at different levels, both for the class as a whole and for individual students. This feature allows teachers to understand the overall level of the group, identify concepts that have been less well understood, and adapt their teaching accordingly, particularly by reinforcing certain content. **Monitoring over time also makes it possible to observe changes in performance, whether progress or potential decline.** Finally, this methodology can be applied at the individual level to identify students experiencing difficulties and focus educational support on their specific needs.

However, this solution poses a danger:

- Beyond the issue of screen exposure, a highly personalized approach to learning can contribute to widening the gap between students. Those who already have a good academic foundation and are comfortable with digital tools are likely to progress more quickly, while students who are struggling may encounter more obstacles. It is therefore up to the teacher to regulate these dynamics, support the most vulnerable students, and **ensure that a pedagogical balance is maintained within the classroom.**

Testwe is an online assessment design tool that offers great flexibility for creating customized exams in a variety of formats, while allowing for monitoring of controls.

Type
Assessment creation tool.

Competitive advantage
Provides different types of assessment to make questioning more comprehensive.

Price
The price is not listed directly on the website, as the company requires a quote to be requested. However, according to various websites, the price is approximately USD 24 for one year.

Number of users
According to the website, there are more than 130,000 users in 2024 and more than 300,000 corrected copies.

Level of development
TestWe is a company founded in Paris in 2014. According to LinkedIn, it has more than 25 employees. It appears to have ties to the French government, notably through a guide available on a government website. In addition, several institutions use this tool, such as World Athletics, the French Civil Aviation Authority, and computer science schools. All of these factors point to a good level of development and a high degree of trust.

How does it work?
The teacher can create questions manually or generate them automatically by specifying a subject or importing documents. They can then customize the options and send out invitations. Exams are monitored and then graded automatically.

Link https://testwe.eu/fr/

Features :

- The solution offers the ability to **create single-choice, multiple-choice, or fill-in-the-blank assessments with advanced** customization options to meet your specific needs. For example, you can integrate multimedia content (images, videos, graphics), adjust the difficulty level, allocate time, etc.
- TestWe enables more interactive assessments, where candidates and students can **answer questions by recording themselves.**
- Candidates can be **assessed on their skills using other tools** such as Excel spreadsheets.
- Questionnaires **can be created from various documents such as PDFs or DocX files.** The assessment can then be modified to better customize it.
- During the exam, the tool implements a set of **measures designed to prevent cheating.** These include identity verification and asynchronous monitoring, which allows recordings to be viewed and evidence to be retrieved for quality control purposes. Finally, if desired, advanced algorithms can be used to **detect any attempts at cheating related to the use of ChatGPT or other generative AI.**
- For multiple-choice questions, **correction is automatic.** There is also an assisted correction system available using an AI assistant. It is possible to select which questions are corrected automatically and which are not.

Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

Artificial intelligence is playing an increasingly important role in many fields, particularly education. It offers numerous benefits, such as saving teachers time, enabling the creation of higher-quality content, and allowing for greater personalization of learning. In this context, its widespread adoption seems inevitable. It is therefore essential to also develop new methods of assessment. With this in mind, TestWe seeks to offer exams that are in line with current challenges.

- The main advantage of this tool is that it allows you to design a variety of exams, both in terms of format and assessment methods. It makes it easy to create multiple-choice questionnaires, open-ended assessments, and even exams that include voice responses. The latter format stands out for its innovative nature, making the exam more interactive. **It also offers greater freedom in responses, avoiding an overly standardized framework, which encourages student creativity and allows for a better assessment of their overall understanding of a topic.** In addition, this type of response limits the penalization of students who have difficulty with written expression.

- Exams can also be generated from various documents using an AI-based wizard, **which saves teachers a considerable amount of time.** However, teachers retain complete control over the content, as they can modify, adjust, and customize all questions. In addition, the tool supports several types of media, including spreadsheets such as Excel. This feature is particularly suitable for assessments in the fields of finance, economics, and accounting, where the manipulation of numerical data is essential.

- The implementation of a monitoring system aims to **limit attempts at cheating during exams.** To do this, the software can deploy various control mechanisms on the student's computer to restrict behavior that could constitute cheating. It also incorporates algorithms capable of detecting the use of generative artificial intelligence tools during assessments. According to the official website, all of **these measures comply with current** personal data protection standards, in particular the GDPR.

- Depending on the type of assessment chosen, the tool allows for automatic correction of multiple-choice questions, as well as AI-assisted correction for open-ended questions. Once again, this represents **a significant time saving for teachers, while promoting greater objectivity in grading.** It is well known that the order in which papers are corrected can influence the grader's leniency, with the first and last papers not always being evaluated equally. Partial automation of the correction process can therefore reduce this type of bias, even if new biases related to the algorithm may arise.

This solution should be taken with caution:

- However, this solution must be used with caution. In 2022, the Montreuil Administrative Court suspended the use of TestWe by Paris VIII University following an appeal filed by students. The students criticized the system as excessively intrusive in monitoring candidates' behavior on their computers. Although the solution complies with GDPR standards, such a level of control **raises ethical questions,** particularly with regard to student privacy.

Schoolbeat: digital technology promoting well-being

Schoolbeat (formerly Moozoom) is an interactive and innovative platform that helps students improve their mental health with the help of videos based on real-life issues, from which they can choose their own story.

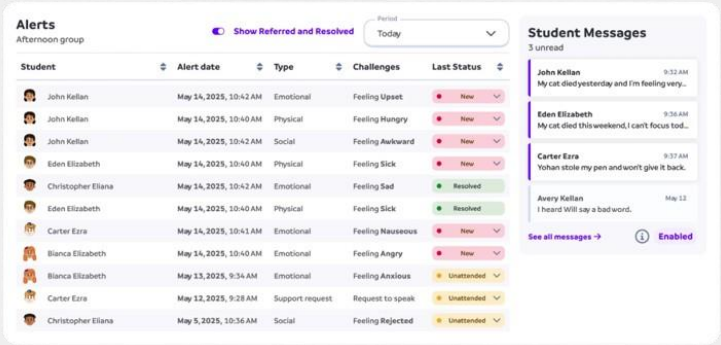
Type
Social and emotional learning platform.

Competitive advantage
The solution significantly reduces SEL lesson planning time, while improving student engagement and reducing conflicts.

Price
Access to the tool begins with a free library and, where applicable, a 30-day premium trial period providing access to all content and advanced features. At the end of this period, a paid Premium subscription is offered, with several types of licenses available (including individual and educational licenses). Prices are provided on request in the form of a quote and may vary depending on the volume subscribed and the promotional conditions in effect.

Number of users
Moozoom is used by approximately 1,000 schools and more than 200,000 active students in Canada and the United States.

Level of development
Moozoom was founded between 2018 and 2020 by Jean-Philippe Turgeon in Montreal. The company was created in response to growing concern about mental health issues among children. Now operating under the Schoolbeat brand, it has around 30 to 40 employees and is active in the field of primary and secondary education.



How does it work?
Teachers spend about ten minutes with their students on an interactive mini-video lesson, selecting a theme and showing content that depicts everyday situations. The viewing, which may include scenario choices, is followed by a guided discussion using ready-to-use teaching sheets and, where appropriate, complementary activities such as reflection journals or quizzes to reinforce learning.

Link https://schoolbeat.io/

Schoolbeat: digital technology promoting well-being

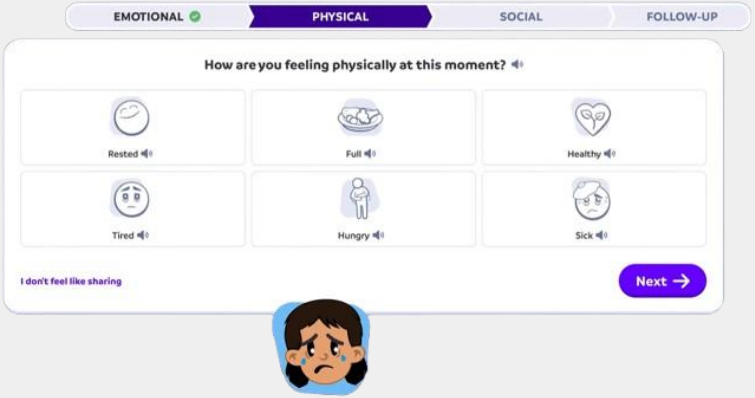
Features :

- The educational content for students is based on interactive mini-films of the "choose your own adventure" type, focusing on everyday situations such as conflicts, managing emotions, bullying, and social relationships. This content is supplemented by **integrated follow-up activities,** including guided discussions, activity sheets, reflective journals, quizzes, and self-learning modules that allow students to progress at their own pace.

- The tools provided to teachers enable them to **quickly select and deliver mini-lessons on specific topics** using ready-to-use discussion sheets, as well as manage classes and students (create classes, add students, customize avatars, and track learning progress).

- The **dashboards provide tracking data at different levels:** the teacher dashboard offers an overview of tool usage, progress through the modules, the social-emotional skills covered, and the students' "emotion of the day," while the **administrator dashboard aggregates usage data,** behavioral incidents, and indicators related to the school climate.

- Features designed for schools and districts include a structured SEL curriculum aligned with standards, **accompanied by implementation resources** (implementation guide, teacher support, communication with parents). They also include **management tools for administrators,** enabling them to monitor adoption by teachers and observe impact indicators.



Kindergarten ★★★	High School ★★★
Elementary School ★★★	University & school ★★★

Schoolbeat: digital technology promoting well-being

The current educational context is marked by persistent, even growing difficulties for some students, particularly among the youngest. Several education systems are seeing a slowdown in academic progress, particularly in reading, text comprehension, and the development of emotional regulation skills. These developments are often accompanied by a decline in academic motivation and an increase in behavioral problems, which can reinforce inequalities and increase pressure on teaching staff. In addition, increased exposure to screens and social media influences children's attentional and emotional development, while reducing the time spent on structured activities such as reading, physical activity, or face-to-face interactions. In this context, Schoolbeat positions itself as a response aimed at supporting the development of social-emotional skills and offering structured resources integrated into the school setting.

- Schoolbeat offers a digital tool focused on well-being and the development of social-emotional skills, with the aim of transforming screen time into structured, scripted, and reflective learning time. The approach aims not only to help prevent behavioral incidents, **but also to strengthen attention, emotion management, cooperation, and social understanding skills.** These skills play a central role in academic learning and long-term civic participation. In the medium and long term, this type of initiative can promote the acquisition of increasingly sought-after cross-disciplinary skills, while contributing to a more supportive classroom environment and the overall well-being of students.

- Measuring certain behaviors remains complex in the school setting. As a general rule, student engagement is assessed using periodic mechanisms, such as meetings held at the end of each term. However, behavioral incidents are more difficult to objectively assess and monitor systematically, as they are often isolated, contextual, and not formalized in traditional assessment tools. The tool aims to address this difficulty **by seeking to quantify certain behavioral indicators in order to make them observable and usable in the form of statistics,** particularly through the use of dashboards. Issues such as bullying are a good illustration of this type of situation, as they involve complex behavioral dynamics that are rarely included in traditional assessment mechanisms. From this perspective, behavior could be considered as an object of observation in its own right, capable of being monitored over time and, in certain very specific contexts, integrated into more formalized assessment systems. Depending on the methods used, such an approach **could increase the focus on expected behaviors and encourage the adoption of practices that promote a positive school climate,** while raising important issues of fairness, weighting, and the educational use of data.

- Conducting short surveys helps teachers gauge students' attitudes, both individually and collectively. This information provides teachers with useful **guidance for adjusting the structure and content of their lessons** based on the overall dynamics and level of the class.

However, it is important to remain vigilant:

- Despite its advantages, certain precautions should be taken when using Schoolbeat. Particular attention should be paid to screen time management, especially for younger students. Digital sessions would benefit from being limited in duration and integrated into a more comprehensive educational approach, combining physical activities, reading, handwriting, and face-to-face interactions. From this perspective, digital technology is a tool **to support learning and cannot replace other teaching methods.**

Candli: create, program, and play

Candli is an educational web platform that allows students to design their own video games using drawings and images, while developing programming, math, and logic skills in a fun and creative way.

Type
Educational web platform.

Competitive advantage
Candli seamlessly integrates STEM disciplines and the arts within an accessible and inclusive creative environment.

Price
The solution offers a free version with limited features. Access to more advanced features, such as creating more complex games, programming blocks, classroom management, and dashboards, requires a paid subscription. This is available at a rate of USD 90 per year or USD 7.50 per month for a classroom.

Number of users
There are no official overall figures available for the number of users to date. However, Candli has been integrated and tested in several Swiss schools through EdTech programs.

Level of development
The tool is based on research conducted by Stéphane Magnenat and his colleagues at ETH Zurich, Disney Research Zurich, and EPFL. Candli extends the principles of visual programming developed around the Thymio robot (VPL), combining them with image capture and artificial intelligence techniques. An alpha version was released in fall 2020. These elements demonstrate that the project is based on solid scientific and research foundations.

How does it work?
Teachers and students access Candli via a web browser, without any prior installation. Students create or import visual elements that serve as characters, objects, and scenery, then define the game's behaviors using visual programming without text-based code.

Link https://cand.li/index-de.html

Features :

- **The solution allows students to create video games from drawings or imported images,** which form the characters, objects, and settings of the game. The platform is based on a visual programming system without text code, allowing rules, behaviors, and interactions between elements to be defined.
- Candli offers **classroom management features for teachers,** including the creation of student groups, tracking project progress, and viewing completed work.
- The platform incorporates mechanisms for testing and iterative modification of games, **with real-time operation.** It also includes elements related to basic mathematics and physics, such as the management of movement, collisions, speeds, and proportions.
- **Various tutorials are available to assist with game creation,** some of which are based on features that incorporate artificial intelligence.
- The solution is fully accessible via a browser, **compatible with computers and tablets,** and requires no installation, making it easy to integrate into existing school environments.
- The platform is **available in several languages,** including English, German, French, and Portuguese.

Kindergarten	★★☆	High School	★☆☆
Elementary School	★★★	University & school	☆☆☆

In the school setting, certain subjects may be perceived by students as abstract or unengaging, particularly when the content relates to programming, mathematics, or logic, disciplines often associated with a high level of complexity. This perception can limit motivation and understanding, even though these STEM subjects play a central role in developing the scientific, technological, and analytical skills needed in many professional fields. From the teachers' point of view, implementing more creative and interactive teaching approaches that are likely to engage students while respecting the objectives and constraints of school curricula can represent a significant investment in terms of time, preparation, and resources. This is where Candli comes in, offering an alternative teaching approach based on students creating video games. This approach aims to address technical and logical concepts through design and visual programming activities integrated into a structured educational framework.

- Candli offers an educational approach that transforms learning into a creative and interactive activity, giving students the opportunity to design their own games based on drawings they have created themselves or imported images. Students then define how these games work using a visual programming system, which allows them to structure rules, behaviors, and interactions without resorting to textual code language. This approach **promotes active knowledge acquisition, as students are directly involved in the construction of concrete projects.** Rather than simply consuming educational content, they experiment, test, and adjust their creations, which helps to give meaning to the concepts covered. Concepts related to logic, mathematics, and simple physics principles, such as movement, speed, and collisions, thus gradually become observable and manipulable. Learning is based on experimentation and iteration, allowing students to **understand the links between their programming choices and the behaviors observed in the game.**

- The platform offers tracking tools for teachers, allowing them to manage classes, access student projects, and monitor their progress. These features **provide useful visibility to identify potential difficulties and adjust teaching support.** Furthermore, when students work independently on their projects, teachers can devote more time to individualized support while maintaining the collective dynamic of the class.

- The game-based and creative approach also contributes to the development of cross-curricular skills such as problem solving, creativity, collaboration, and autonomy. Students are encouraged to test, correct, and improve their work through successive trials, which promotes learning from mistakes and reinforces perseverance. **This process also contributes to the development of critical thinking skills by encouraging students to analyze their own mistakes,** understand the causes of any problems they encounter, and make appropriate adjustments.

- In addition, the platform is accessible directly via a web browser, without any specific installation, and works on computers and tablets already available within schools. This ease of access makes it easy to use for students, teachers, and, to a certain extent, parents. Designed to adapt to different school subjects (math, science, languages, history, geography, etc.), **it can be used across the board and is consistent with educational programs,** thus helping to make the tool accessible and relevant to as many people as possible.

Despite the advantages listed, there is one point to be aware of:

- It should be emphasized that learning cannot rely exclusively on this type of tool. Its use appears relevant for stimulating interest and strengthening student engagement, but more traditional teaching methods remain the benchmark. From this perspective, **it is a complementary solution, intended to enrich existing teaching practices,** rather than a substitute.