

ICT Tools in Education

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ABSTRACT:

If you are a teacher and want your students to excel, you must use the above ICT tools for teaching and learning. In this way, you benefit not only your children, but also your school and workplace. Technology in the classroom allows teachers to experiment more. Teaching methods and frequent feedback of student which makes education more interesting and more effective. When teachers use technology in the classroom, students can use it by Quick access to courses/tutorials/video assignments. Technology empowers students. ICT means Information and Communication Technology. ICT tools for teaching and learning include printers, computers, laptops, tablets, etc. It covers everything from software like Google Meet, Google Spreadsheets and more to digital infrastructure.

Introduction

The Covid pandemic has changed the way students learn. Physical education classes at school have been replaced by live/recorded online sessions from home and smartphones/cell phones have replaced books. As a result of the digital revolution, today's learners and learners find traditional activities such as reading very tiring and may naturally gravitate towards audiovisual information (eg video, photo and audio resources). Teachers, on the other hand, are usually traditionally educated and not equipped to communicate with students using jargon and digital tools. However, this sudden change made it difficult for teachers to teach their students. Teaching classes and managing homework is a big challenge during video calls. Fortunately, some ICT tools for teaching and learning can make the learning experience more enjoyable for both students and teacher. Here we list the best ICT tools you can use to engage and teach your students interactively. You will also find fully interactive systems that can revolutionize your entire educational system. ICT means Information and Communication Technology. ICT tools for teaching and learning include printers, computers, laptops, tablets, etc. It covers everything from software like Google Meet, Google Spreadsheets and more to digital infrastructure. However, it does not cover these major software or hardware devices such as laptops and PCs because everyone knows them. Instead, we'll talk about some great software, apps, or platforms for teachers.

ICT Tools -

1. Blackboard

Blackboard is a popular learning tool with many features. Teachers can easily manage tests, track performance, manage schedules and even upload grades. This will save you the hassle of writing everything down and the pain in your wrists. Students can use this tool equally as they have access to all the information they upload to the platform, such as grades, homework and class attendance. The best thing is that everything is available on one platform. So you don't need multiple apps to manage everything.

2. Google Classroom

Google Classroom is a virtual classroom that makes learning easy and interesting. Teachers can create interactive work by integrating an educational app or website. You can add informative slideshows, mini-games or fun YouTube videos. In this way, children learn better and enjoy the learning experience. Google Classroom is paperless. Easily create paperless assignments and grade students in minutes. This will save you time and allow you to focus more on improving your learning experience. You can also create separate folders for assignments, grade lists, and attendance lists. Access them on the go, even from your phone or laptop. Virtual meetings are also possible in Google Classroom. You can hold parent-teacher conferences online from home. Great for both you and your parents, especially during quarantine. All in all, Google Classroom offers a complete online learning solution.

3. Trello

Trello is a popular collaboration tool for IT companies with large teams. Fortunately for educators, it also has multiple uses. If you like project-based learning for your students, Trello is for you. Trello has digital boards like this one. You can create various panels such as assignments and quizzes and you can create cards from that board. You can also discuss specific topics on the same card. You can invite students to view the map. And students can post comments, doubts or questions and even upload photos, videos and more which are available for download. Students can also easily view projects, set deadlines and track progress online. In short, Trello takes a lot off your shoulders while enriching a child's learning experience.

4. Microsoft Teams

Microsoft Teams is also popular IT tool for educators and professionald. Like Trello, it has multiple uses for teachers and educators. Microsoft Teams is a product of Microsoft Office 365. This simply means that you can organize meetings, chat, share files and use all Microsoft Office applications in Teams. One of the best features that comes with Teams is the One Note Notebook. Class notebooks are (physically) similar to individual student notebooks, but with additional features and ease of use. Teachers can assign individual laptops to students and provide real-time feedback. Easily distribute tests, worksheets, quizzes, and assignments directly to students. Students can use Teams' excellent tools to take notes and highlight important points. This allows students to engage and enjoy learning. Overall, the team can reduce labor and completely replace paper. This is another great tool to provide effective online training.

5. Online coding websites like DataCamp, HackerRank, Coderbyte

There is no minimum age to learn to code. Mark Zuckerberg, owner of Meta (formerly Facebook), said his 3-year-old daughter started coding. How can I tackle it? If you want your students/kids to learn to code, make sure it's hands-on. Paper code is a waste of time. It also destroys students' creativity. DataCamp, HackerRank, Coderbyte and more. Websites like this Websites like this allow students to immediately apply what they are learning. These websites have a variety of challenging problems that students will love. The best part is that most of our websites are free and can be accessed from any device. This means that none of the students need specific hardware (laptop/computer) for coding. An ordinary computer or mobile phone connected to the Internet is enough.

6. Resources on the topic

All the above ICT tools for teaching and learning are conducive to general education. However, certain areas require specific tools. Let's talk about it below-

ICT tools for geography education

Google Maps: With Google Maps, kids can learn to measure the distance between two places and see 360-

360-degree images of the places. This allows students to learn about different places in the world. Google Earth: This tool displays the entire Earth from any location and supports excellent zoom. Children can learn about different regions, land and water in a fun way.

ICT tools for mathematics education

Can Figure It Geometry: This tool makes learning geometry easy. You can teach children various mathematical proofs and theorems in a fun way. You can use this tool to teach kids how to solve math problems in 4 steps: understand, plan, solve, and evaluate.

ICT tools for biology education

With biology, you can get help from:

Microsoft PowerPoint: Use HD graphics and create slides to explain biological concepts to children. You can also download templates from Slidesgo to make your work easier. **YouTube:** What could be better than using YouTube videos to explain complex biological processes? From digestion to excretion, you can find plenty of kid-safe content on YouTube. **ICT tools for history education** Again, you can use the tools mentioned above in different ways.

YouTube: Find historical movies related to the chapter you're reading to help your kids memorize. **Microsoft PowerPoint:** Create slide shows with minimal details such as date, name, place and event. In this way, children can learn facts easily and for a long time.

7. Moodle

Moodle is very popular, flexible, free and open source LMS(Learn the management system). This is recorded in the software and Used for PHP and translated courses and distance Education at universities and schools. Moodle is a user distributed as a convenient eLearning platform and GNU, General Public License, anyone can make their own online. Learn the site in minutes. Moodle was developed by Martin. Don't put it in the 1970s. Moodle is used today by non-educational institutions, online education, business, corporate, hospitals, etc. Moodle is the world's leading LMS. Moodle users are growing every day and it is very flexible and enjoyable. Supportive, easy to use, customizable and feature rich. Moodle enables schools and universities to provide opportunities. For flexible education from location to course without interruptions. Teachers can do this through the Moodle LMS. Create your own site; choose different activities, Educational tools, including assessments, are interactive customizable connections with students using video conferencing tools.

Conclusion

Students these days are getting smarter. And smart students need smarter teaching methods. If you are a teacher and want your students to excel, you must use the above ICT tools for teaching and learning. In this way, you benefit not only your children, but also your school and workplace. Technology in the classroom allows teachers to experiment more. Teaching methods and frequent feedback of student which makes education more interesting and more effective. When teachers use technology in the classroom, students can use it by Quick access to courses/tutorials/video assignments. Technology empowers students. Classes necessarily improve students' grades. The main reason for a good education. maybe technology and It's a very valuable tool, but it's just a tool and technology does not "replace the teacher" and replacing the teacher. A good teacher must be digital. You need to know an efficient way to literally

combine curriculum skills for teachers made by students. There may be frustrations and opinions, but in the end Using technology in education can open new doors, offer new experiences, lead to new discoveries, finally, a new way to learn and collaborate.

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