

Use of Technology in the Classroom

Jaswinder Kaur¹, Shefali Gupta²

¹(Associate Professor, Govt. College of Education, Jalandhar)

²(Research Scholar, Govt. College of Education, Jalandhar)

Abstract: The role of technology into the classroom setting continues to be one of many concerns in the educational field. Parents and teachers are open to the positive effects that technology can bring to the teaching learning process. In the modern century, students have digital minds and they are technology friendly also, so the teachers have to use of technology in the modern classroom. Effective use of the technology in the educational atmosphere and its successful unification enhance the productivity of instructional procedure. Today, the inclination for technology enlarge classrooms has escalated rapidly. Classrooms thereon the demos have become “peculiar” and textbook publishers now proposed a wide modes of computerized discipline supplements. To cope up with rising demands of students, teachers use the technology into the classroom. A teacher can use of different technologies for the instructional process becomes more interesting and effective such as google maps, blogs, podcasts, digital textbooks etc.

Keywords: Technology, Classroom, skills, teacher, students, learning.

I. Introduction

Modern era is the period of advancement and technology. Today’s world is very much dynamic in nature. Technology has the capability to develop bond between the teachers and the students into the classroom. When a teacher effectively unites technology into the subject areas, teachers soar into roles of consultant, content specialist, and coach. Technology is the compilation of the techniques, skills, methods and processes that are used in the manufacturing of goods or services or in the achievement of educational objectives. The technology which is used for the educational purposes is known as educational technology. The classroom technology is the exercise of both physical and educational theories. The technological developments into the classroom can not merely help better learning of students, but it will also permits them to accommodate to the rapid motion technological environment that is risen up. It grabs several domains, including the learning theory, computer-based technological training, online learning by the use of internet and the mobile technologies i.e. m-learning.

There are several technologies which are developed are being used in the today’s classrooms such as social networking(facebook, whatsapp, twitter, yahoo etc.), online teaching and learning, the class blogs and Wikipedia, podcasting, whiteboards, and the mobile devices. There are so many routes in which we can get advantage from the new technologies that are being developed today. Distance learning becomes easier with the development of new technologies. It also permits for rapid feedback and renovate co-operative endeavor among large team of people. Technologies like podcasting and websites permits pupils to cognize and take part in deliberations even when they miss the classes due to one reason or the other. The blogs of the class and Wikipedia broaden the passage for discussion and give students a opportunity to take participate from outside the classroom. M-devices permit the teachers to deliver knowledge to students in a fast manner. Distance learning and online learning is a rapidly increasing industry. Today man is not enclosed anymore by the geographical or cultural extent. People want to learn and share knowledge with each other. Presently, the classrooms are not only limited anymore to the four walls of traditional schools. Education by technology is the path of the future. The modern classroom equipped with technology enables the students to do experiments, innovate and offer richer learning experiences. The biggest reason for unite technology into the classroom, the focus is moved from the teacher to learner in teaching learning process. It may expand the cyclic 3C relationship among the teacher, students and subject matter into the modern classroom. The components of 3C relationship are created, collaborate and communicate.

The prime base of the technology is the computer and the internet. Computers can be used for the word processing, power point presentations, music developmental tools, educational games to enhance thinking and more. The computers assents pupils- learning by doing rather than trying to copying lines from a textbook. They also provides the chance to the students to learn by trial and error, which allows them to see how things work rather than forcing them to trust what the teacher says. This has been proved to have a broad spectrum of success than a traditional classroom setting. In the modern classroom, the teacher plays the role of facilitator and provides attention to individual student and engaging them in deeper commune on the subject. This leads to the

interaction of the students become more and more in depth learning. The students feel a greater consciousness of self-esteem.

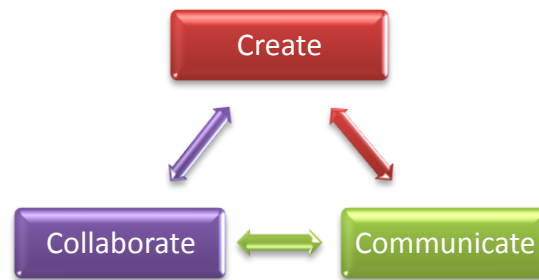


Fig1- 3C relationship

Following are the new trends to utilize the technology into the modern classroom:

1.1 Computer Games

With the help of educational games teachers can permit students to make their own decisions and see instant results to evaluate their progress in every activity.

- i. Teacher can encourage students to interact with different materials and learn without realizing that they are learning new content.
- ii. It may also helps the students to develop their problem solving skills and enhance their cognitive ability.
- iii. It may also enhance multi-tasking skills of students into the classroom.

1.2 Word Processing

It is important for language teaching and for preparing assignments.

- In the modern classroom, teacher can allows the students for greater legibility than handwriting.
- It also allows the students to think about a sentence. Using underline the content, bold and italics formats and other emphasis tools like smart art and charts, can creatively develops a sentence and manipulate it for superior sightedness.

1.3 Teacher Websites

Teacher can maintain their websites

- The message boards- where all the students and teachers can have discussion and work out on the difficulties regarding any subject or content in teaching learning process.
- Teachers can post educational material that either goes with the lesson or more in depth so that students can learn more about a particular subject in the educational process.
- In the teaching learning process, technology can create positive inter-classroom competition.

1.4 Digital Textbooks

Teacher can guide the students about the availabilities of the digital textbooks.

- Interactive reading appendix by games and quizzes to get students actively involved in their study.
- Voice programs that read the material to the students that can help them hear correct pronunciation of new and difficult words and practice them in the same way the other software does.
- Tablets can help the students better prepare for a world absorbed in technology in the classroom.

1.5 Videos

Teacher can make videos themselves.

- By use of the technology, visual learners benefit from hearing and seeing the information simultaneously.
- Teachers can allow for things to be said directly with intent instead of a teacher trying to get a point over and over again.
- Teachers also allow for the elaborated and maintained explanation of the topics with written outlines and step by step instruction into the modern classroom.

1.6 Music

Classroom environment can made musical and lively by the teachers.

- In the modern classroom, the students can create their own music to interact with diverse class topics and educate their classmates as well.
- Difficult content and subjects can be presented in the musical format to make it easy.
- Musical training helps the students to develop their language and reasoning capability in the teaching learning process.
- Music also helps to build imagination and intellectual curiosity among students.

1.7 Video Conferencing

It is very much popular these days to enhance communication skills of the students.

- Teachers can allow the students to practice and improve their public speaking and presentation skills.
- Technology also helps the students to go on a virtual field trip to discover a museum and zoo or bring an industry professional to the modern classroom.

1.8 Podcasts

Teachers can help the students through audio clips in the today's classroom.

- Students can create their audio clips to work out on the difficult topics.
- Teachers can create peerless podcasts to share with the students on their personal website in the modern classroom.
- Premade podcasts can be downloaded and shared with students to further educate or tell them the same thing in a multiple way to maximize the learning in the today's classroom.

1.9 Wikis and Blogs

Teacher can motivate students for search information on wikipedia and blogs.

- Teachers can encourage the students to publish their ideas and stories on the blogs as well as share them with peer group and family.
- To stimulate the learning in an interactive way that feels less like traditional learning and more like fun.
- Showcase student's work and achievements in the educational environment into the smart classroom.

1.10 Social Media

The whole world is connected through social media.

- Twitter can help the teacher to teach the rules and practice of the probability.
- Current events can be studied in real time and share multiple thoughts, comments and concerns with each other.
- It also helps to practice a new language with native orator without the pressure of face to face utterance.
- To practice language and increase vocabulary.
- Students can conduct different researches and surveys to learn and conduct the research projects.

1.11 Google Maps

They help in bringing whole world into the classroom.

- Technology can help teachers in teaching geography, in the classroom environment.
- Street views can help the students to understand their culture and compare their home atmosphere with a foreign country.
- Teachers can help the students to inquire the modern version of an traditional world with the use of the technology in the education.
- It also helps to recreate a historical tour.

II. Main Elements in Which Technology Renovate

Teachers can cooperate with others to share their ideas and resources online: The teachers can connect with others thereon the world in an immediate, converge the shortcomings of their work, refine it and provide their students with the best. This perspective definitely enlarge the practice of teaching and learning.

- i. Students can evolve valuable research skills: Technology gives students instant approach to a sufficiency of quality information which leads to learning at much faster rates than before.
- ii. Students and the teachers have arrival to an expanses of material: There are so many reliable and authentic websites available on the Internet for both i.e. for teachers as well as students can utilize them.

- iii. Online learning is an equally authentic option: The online education is now authorized and has changed the path from our view of education. Face-to-face interaction is huge, but some students work better when they can go at their personal momentum.

III. Advantages of Effective Technology in Classroom

3.1 Technology Unlocks Educational Boundaries

Technology supports virtual or online Learning in the modern classrooms. Unlike physical classrooms, the online learning is elastic in nature and students from different geographical locations and from different backgrounds can attend the same class with no need of traveling from those locations. The advancement in the virtual technology has adherence face-to-face communication between students and teachers in the virtual world.

3.2 Technology can helps to simplify reach to Educational Resources

The technology helps the students to avail access to open educational resources. These resources are freely available to anyone over the www i.e. world-wide-web. These resources comprises electronic books (e-books), pod-casts, digital libraries, educational games, websites, virtual trips, educational videos and instructions, tutorials and much more. Teachers are also using lesson videos and clips online to learn how other educators are using technology in classroom and education.

3.3 Technology Motivates Students

The technology helps to motivate students. The use of computer based instructions makes students recognize in control of what they learn. Students find it easy to learn with technology or computers. Teachers can also publish the educational instructions on classroom blogs. It also helps the teachers to assign research work via email, and this gives a student much time to study on their pace. Educational puzzles and video games are also used by the teachers to teach students how to solve different academic problems, this all process makes students love to learn.

3.4. Improves Students Reading and Writing Skills

The effective use of technology into the classroom has helped many students to learn how to write well scribed sentences and paragraphs. The computers have word processing applications which students can use to take notes in the modern classroom. It also helps the students to auto-correct spelling mistakes and also correct their grammar in the sentences.

3.5. Promotes Individual Learning

In the modern times, the technological tools such as cell phones and the internet give students an opportunity to learn by themselves. Most of the students prefer learning themselves by discovering content by using internet facility into the classroom, this procedure permits them to test several options to resolve a given task at school. The technologies used in the classroom helps to develop different academic skills of the students. For example; Photoshop software helps the students to learn different design and editing skills.

3.6. Supports Differentiated Instructions

The use of the classroom assessment software and performance tracking programs helps the teachers to plan for each student basing on their performance and learning capabilities. It also helps the teachers to categorize students and know their weaknesses and strengths as far as education is concerned.

3.7. Increases Co-operation between Teachers and Students:

Use of the advanced and developed communication technologies in the education helps teachers to reach their students easily and it also helps the students to reach their teachers or fellow students easily and quickly.

3.8 Encourages Self- learning

Today's technology enables students to learn at their own pace. For example, almost all the apps allow for individualized instruction. Students can learn according to their abilities and needs. This form of teaching is also great for the teacher because it gives him/her the time to work individually with students who may be struggling.

IV. Conclusion

In today's world, a modern classroom needs to be a smart classroom with facilities such as computers, internet, projectors, smart boards, blogs etc. A modern teacher facilitates the teaching- learning process aiming at learner centered approach. A teacher is expected to be aware of latest technology which can be used in the

classroom and he is expected to be skillful to make use of these technologies effectively. It has definitely resulted in good human relationships.

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