

Affects of Educational Technology on Lesson Planning

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Abstract

It uses several domains including learning theory, computer based training, online learning and in-learning means mobile, technologies are use because of revolutions in mobile generations. According there are various aspects to describe the intellectual and technical development of educational technology. With technology in the classroom, students gain greater control of their education and they can learn at their pace.

Educational technology is the use of both physical hardware, software and educational theoretic to facilitate learning and improving performance by creativity, using and managing appropriate technological processes and resources. The combination of education and technology has been considered the main key to human progress. Education feeds technology which in turn forms the basis of education

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Technical Development of Educational technology

Now a day's educational Technology develops in the following manner:-

- It develops as the theory and practice of educational approaches to teaching-learning.
- It is as technological tools and media for instance massive online courses that assist in the communication of knowledge and its development and exchange.
- It is for learning management system (LMS) for enable tools for students and curriculum management and education management information system (EMIS).
- Educational Technology as book office management such as training management systems for logistics and budget management, and Learning Record store (LRS) for learning data storage and analysis.
- Educational Technology itself is an educational subjects in B.Ed. and M.Ed. courses . Such courses may be called "Computer studies "or implementation and communications technology.

Definitions of educational Technology

There are various definition of educational technology some are mentioned here.

1. The association for educational communication and technology, (AECT) :

“Educational technology is the study and ethical practice of facilitating learning and improving performance by creating, using and managing appreciate technological process and resources”.

2. The encyclopedia of educational technology :
“Educational technology is a systematic, iterative process for designing instructions or training use to improve performance.”^{2(b)}
3. Michael Specter :
“Educational technology involves discipline application of knowledge for the purpose of improving, learning instructions and performance. “³⁽⁷⁾

History of Definition of Educational Technology

Educational technologies definition has evolved over the years as a variation of ways of dealing of learning process,⁽²⁾ conceptual frame work⁽⁹⁾, theory⁽⁵⁾ and practice of dealing with technological process^(1 and 4)

1963

Audio visual communications is the branch of educational theory and practice concerned with the design and use of messages which control the learning process. It undertakes :

- a. The study of unique and relative strength and weaknesses of both pictorial and non representational message which may employed in the learning process for any reason and
- b. The structuring and systematizing of message by men and instrument in an educational environment. Their undertaking including planning production, selection, management and utilization of both components and entire instructional systems. Its practical goal is the efficient utilization of every method and medium of communication which can contribute to the development of the learners full potential.⁹⁽²⁾

1977

Educational technology is a complex integrated process involving people ,procedures, ideas , device and organization for analyzing problems and divisions implementation, evaluating and managing solutions to those problems involve in all aspects of human learning.¹¹⁽⁴⁾

1972

Educational technology is a field involved in the facilitation of human learning through systematic identification, development, organization and utilization of a full range of learning resources and full management of these process.¹⁰⁽³⁾

1994

Institutional technology is the theory and practice of design, development utilizations, management and evaluation of processes and resources for learning. 12(5)

Some exciting educational technology trends to watch for in 2019.

- Smarts boards
- Artificial Intelligence.
- Augmented and virtual Reality
- Blockchain Technology
- Learning Analytics
- Adaptive learning

Technology integration lesson planning process:

The planning process for technology integration is similar to planning a curriculum unit. The main differences are how the students acquire the knowledge and skills, how they demonstrate and apply the knowledge and skills, and how learning will be assessed or evaluated. Lesson planning for teachers can be overwhelming when incorporating the use of computers in activities.

- Step 1 :** Examine curriculum document
Select the topic
Identify learning objectives within a subject
- Step 2:** determine knowledge and skills
Determine students background knowledge and existing technology skills
Decide how students will acquire new knowledge and skill
Gather resources required to achieve instructional goals.
- Step 3:** Select a technology product to apply learning.
Choose a technology based content for students to create
Outline the content it will contain
Select the software programme needed
List the technology skill required to complete the task
- Step 4:** Select a method of assessment and criteria for evaluation
Determine the method of assessment
Set the criteria to evaluate the technology product with a focus upon contents
Quality of information, layout and design and technology skills demonstrated.

Impact of educational technology on Teaching and Learning.

Educational technologies having a major impact on all areas of education.

Technology form a permanent place in class room. It positively effects the classroom process. It enhances the self esteem of students and makes them excited about coming to school with technology in the classroom, students gain greater control of their education and they can learn at their own space with technology can easily and efficiently manage the classroom. With the use of technology the teachers roll in the class become more instructional as data is already present in a structural mane. With the help of technology teacher conduct the lesson in a more organized and focus way. Teaching learning process become easy, interns and effected. Students spend less time taking down notes at the time of teaching. Students can follow the lesson on their own devices. Technology gives more time and spoke to interact actively with learners and pay attention to individual needs. Technology is useful in creating lesson plan. Technology positively effects student engagement, enabling students to retain and learn more information. There are a variety of ways in which technology can be implemented as tools in the classroom for starters tablets, videos apps, and interactive while boards can be learning tools for students as well as teaching tools for educations.

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