

# ROLE OF MODERN TOOLS IN EDUCATIONAL PROGRESSION

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## **Abstract**

*Human's endless thirst for knowing about new thing has enabled him to gather, through ages, a vast sea of knowledge. Knowledge seeking is basically a pleasing phenomenon for him. A teacher should impart knowledge in such a way that it becomes a pleasure-giving phenomenon rather than a burden. In the case of an adult learner this question conquers greater significance. Adult learner is a mature student who is acquiring new knowledge and skills, developing new attitudes after having reached mature intellectual, physical and social development (Kapur, 2015). Adult learners assume many difficulties in comparison to the younger student learners. It is very challenging for him being part of the learning. Under these conditions, teaching-learning should be carried out in a graceful manner. The teaching learning environment has to be lively and cuts out the use of boring techniques and instructional devices. To achieve this well the facilitator uses different types of teaching techniques and methods, materials, devices and strategies. Teaching tools are the tools available to the teachers to provide multiple experiences and to carry out teaching- learning process effectively and efficiently. Making the learning process effortless as well as pleasurable is a difficult task. A lot depends on the creative and innovative abilities of the teacher/mentor /facilitator. Use of teaching modern tools with adult learners can facilitate the learning process by making it interesting and less time consuming (Kapur, 2015).*

## Paper Identification



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**Introduction:** - Human's endless thirst for knowing about new thing has enabled him to gather, through ages, a vast sea of knowledge. Knowledge seeking is basically a pleasing phenomenon for him. A teacher should impart knowledge in such a way that it becomes a pleasure-giving phenomenon rather than a burden. In the case of an adult learner this question conquers greater significance. Adult learner is a mature student who is acquiring new knowledge and skills, developing new attitudes after having reached mature intellectual, physical and social development (Kapur, 2015). Adult learners assume many difficulties in comparison to the younger student learners. It is very challenging for him being part of the learning. Under these conditions, teaching-learning should be carried out in a graceful manner. The teaching learning environment has to be lively and cuts out the use of boring techniques and instructional devices. To achieve this well the facilitator uses different types of teaching techniques and methods, materials, devices and strategies. Teaching tools are the tools available to the teachers to provide multiple experiences and to carry out teaching- learning process effectively and efficiently. Making the learning process effortless as well as pleasurable is a difficult task. A lot depends on the creative and innovative abilities of the teacher /facilitator. Use of teaching modern tools with adult learners can facilitate the learning process by making it interesting and less time consuming (Kapur, 2015).

### **Teaching Tools**

Teaching tools are a teaching support (book, board, picture), object (such as a globe, map, or pattern), or device (such as a DVD or computer) that a teacher uses to enhance or enrich classroom instruction. Teaching tools are teaching materials and devices that help the teacher in carrying out the teaching process. According to The Random House Dictionary (2017), "a teaching aid/tool is a material used by a teacher to supplement classroom education or to stimulate student interest." Teaching tools are the support available to the teacher. However, they cannot replace teachers in any case. Making the learning process effortless as well as pleasurable is a difficult task. A lot depends on the creative and innovative abilities of the teacher/mentor /facilitator. Use of teaching tools with adult learners can facilitate the learning process by making it interesting and less time

consuming (Kapur, 2015). The use of teaching tools enables learners to not only use their hearing or seeing abilities but to actively perform something as well while learning. This leads to the strengthening of education.

### **Modern Teaching Tools**

Modern teaching methods can include television, radio, internet, multimedia and other modern devices. Teaching tools can be defined as aids that teachers or mentor use to help students in a way that allows them to easily understand and understand what they are being taught. It can improve students' reading, writing and communication skills. User-friendly and interactive learning tools help to remove anxiety, fear, boredom or any other complex negative feeling from students. Modern teaching tools include audio-visual films and documentaries, digital storytelling, general comics, radio or television, educational CD and DVD projectors, computers and laptops, computer-based educational games, interactive whiteboards also called smart boards, and many other devices that are in currently in use. Some important Modern Teaching Tools used in Teaching Learner Process are as under: -

❖ **News Papers or News Bulletin Boards are in this category:** - Daily newspapers can be an effective teaching tool. They are full of information about the general, economic and social life of the people. They are actually a minimal textbook for studying current events. Modern education focuses on interlinking different areas, such as social, political, economic. Newspapers contain a reservoir of resources and illustrations. News boards can be used to display interesting images and news. The display includes news of local interest, news of national and international importance.

While using News Papers or News Bulletin Boards as teaching tools, the mentor needs to pay attention to the following points.

- Exhibited materials should be in line with students' needs and interests.
- The information to be displayed should be in the correct order.
- Students may also be given the opportunity to display their collected materials on a bulletin board. This gives them a sense of ownership.
- Pupils read with great interest news related to their own life in the community.
- Every part of information should have its own heading.

❖ **Models, specimens and other objects are useful teaching aids:** - Models of Physical topography, core of earth and many other models, depicting the replica of the things taught in the classrooms. They help students to better understands their concepts in more effective way.

❖ **Flannel Board:** - Flannel board consists of a piece of flannel/flattery stretched tightly over a thick plywood backing. Objects to be portrayed on the flannel board should be taped with a small piece of sandpaper stuck behind the object so that it can be stuck to the flannel board. Displaying images or materials on a flannel board makes it easy to move items from one place to another.

❖ **Magnetic Boards are also very handy teaching tools:** - The magnetic board is a modification of the flannel board. Instead of flannel, a metal sheet is attached to the plywood. Small magnets are used to hold materials to be displayed on metal plates.

❖ **Digital Story-telling is an innovative teaching tool:** - Digital storytelling is a modern expression of the ancient art of storytelling. It combines a narrated piece of personal writing, photography and still images, and a musical soundtrack. The role of the teacher in the classroom would be primarily to use digital stories to make the teaching and learning environment lively and educational. While using digital story-telling the teacher must remember the following points:

- Identify appropriate digital stories that can be used in the literacy focus.
- Inform the students/learners about it well in advance.
- Arrange for equipment needed (computer, CD player, CD and Screen etc.) for using the digital stories
- Make a brief introduction about the story before showing the digital stories.

❖ **Radio and Television:** - They also find their place among modern teaching tools. Currently, several radio stations including FM and community radio regularly produce episodes for all types of people, including literacy beneficiaries in remote areas. Based on numerous experiments and studies, the broadcast has been created to be self-sustaining and feasible to ensure that broadcast messages reach students when mentors or teachers do not provide the necessary assistance. Listening to broadcast dramas, storytelling, rendition of classical, instrumental and light music helps in the harmonious developmental growth of the students and makes them fit to be useful members of the society.

❖ **Documentaries and Films are also used as teaching aids:** - A documentary film is defined as a non-fiction film that creatively deals with cultural, artistic, historical, social, economic or other topics. It may be photographed in actuality or may use partial reconstruction, animation, slow motion or other techniques as long as the emphasis is on factual content rather than fiction.

While using Documentaries and Films as teaching aids, the teacher must pay attention to the following: -

- More important than the film is the way it is shown. All necessary arrangements for projector, operator, suitable location, etc. will need to be made well in advance. The day, date and time of screening should be announced in advance so that students come to watch the movie in large numbers.

- Movies should be selected according to the needs and interests of the students.
- Questions, comments and discussions should follow the screening of the film. Only in this way will the learning be strengthened.

8. Projectors, VCRs, VCPs and DVD Players as teaching aids: Projectors, VCRs, VCPs and DVD Players are used for digital story-telling or during lectures, discussions, film or documentary shows and so on.

❖ **Computers:** - Today, computers in their various forms such as desktops, laptops, tablets, etc. are of great importance at all levels of education. This is the basic engine upon which all other electronic learning media depend. Several state resource centers have developed digital readers that are increasingly used in many states today. These are said to reduce the time to acquire literacy by one-third. Within a short period of time, students will begin to independently practice and learn on computers. In addition to literacy, students also acquire computer skills that are essential today.

❖ **Interactive Electronic White board or Smart Board:** - Interactive electronic whiteboards, also known today as Smart boards, are the latest and most modern tools that can be used in the classroom or in literacy focus. These require a computer, an overhead projector and pre-installed learning software. The electronic whiteboard is user-friendly and offers many interactions to the user. It is a colorful aid in the hands of mentors or teachers. With interactive whiteboards, teachers can teach and save their content with important points they want to review and save it to computer files, which cannot be done through traditional whiteboards. The time has come to integrate the use of modern teaching aids in the classroom for effective learning. But the main obstacle is that these are very expensive devices and require a lot of investment.

### **Need of Modern Teaching Tools for the Learners**

- Learning tools attract students' attention, create a compulsion to learn.
- Learning tools make the learning process interesting.
- Its use makes learning easier.
- Using teaching tools brings affectivity to learning.
- Their use enriches the teaching-learning process by bringing variety, diversity and originality to it.

- Learning tools keep students motivated to learn.
- Learning tools concretize the learning experience of students. They enable them to understand the most difficult and abstract concepts.
- They provide students with direct meaningful experiences.
- Students tend to forget but when they used properly, teaching tools can help to retain concepts permanently.
- Learning tools can enhance learning.
- Learning tools can reach students regardless of their literacy and language levels.
- Learning tools, when used in groups, help promote greater group interaction.

### **Need of Modern Teaching Tools for the Teacher/Facilitator**

- The use of modern teaching tools helps teachers/facilitators create a lively and interesting environment for teaching and learning.
- By their use, teachers can disrupt the dullness in teaching caused by the uncontrollable use of verbalism (Lecture Method).
- Their use leads to an interactive learning environment and thus brings affectivity to teaching.
- It helps the teacher to use innovative materials and methods to clarify concepts and thereby become more effective and efficient teachers.
- Enables facilitators to determine the rate of student learning.
- Their use helps in monitoring student progress.
- They help to minimize the efforts of teachers and facilitators also in the teaching process.
- Save time and energy spent by both teachers on transactional concepts and students on understanding them.
- Using modern teaching tools, teachers can meet the needs of different groups of students, different learning styles by using different materials, aids and devices connected in the teaching process.
- Assist facilitators in skillfully achieving teaching goals and objectives.
- It can help teachers/facilitators in spreading awareness and education on a mass scale.

**Conclusion:** - A large number of teaching tools are available to the teacher/facilitator. A teacher uses teaching tool to supplement classroom education and stimulate student interest. The

interactive whiteboard has replaced the blackboard and is a powerful tool in the classroom. Computers and the Internet constitute a very important electronic resource. Books, materials, resources, research Websites, project discussions, online discussion forums - all this is possible through a computer. Elements of text, graphics, video, audio and animation in multimedia can lead to interactive learning. Multimedia projectors are used to project them. Teachers and facilitators create WhatsApp groups as an alternative teaching and learning tool. WhatsApp uses the technology students are most familiar with, their cell phones. Radio is the most sought-after means of entertainment and education. Being a cheap medium is ideal for information, education and communication to the masses. For a long time, it was impossible to visualize teaching without a teacher standing at the blackboard and using it extensively to communicate with students. However, today's mentors and teachers must keep up with the modern teaching tools available to them and choose the appropriate tools that are appropriate for the group of students and are most suitable for communicating the lesson. The use of these learning tools will certainly enhance learning and help in education in an effective manner.

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