



## **DESCRIPTION OF SELECTED TEACHING AIDS**

### **INTRODUCTION**

Teachers for effective communication with his student in the most interesting and useful way resort to certain aids generally known as Teaching Aids or Audio-Visual aids in the field of teaching learning process. If use effectively, they are information carrier and can promote and encourage learning in teaching learning activity. They may be classified as audio aids, visual aids, audio-visual aids and activity aids. To cause a meaningful learning in the student by engaging the learner to actively participate in the educative process, the teachers need to be well versed with the broad classification of teaching aids and possess desirable skill for teaching aid preparation, and should be very judicious in selecting the most appropriate teaching aids to be used for imparting a particular lesson such that teaching aids will render great help in enabling the teachers to achieve the instructional objectives.

### **ELABORATION OF DIFFERENT TEACHING AIDS**

#### **Chalk Board**

It is a simple non-projected and universally used visual teaching aid which comprises a Board and a chalk piece.

#### **Advantages for effective use of Chalk Board**

1. It serves as a mirror through which students visualize all about the teacher's mind regarding the lesson in hand, his way of explaining, illustrating and teaching.
2. Pupil's interest in classwork can be stimulated by skillful and creative use of Chalkboard writings and drawings.
3. It is economical and can be used over and over again.

#### **Suggestions for effective use of Chalk Board**

1. Chalk board should be kept clean so that writing on it could be legible and easily read by the students from all parts of the room.

2. Writing should be started from the top left corner and extreme lower corner of the chalk board should not be made use of as writing on it cannot be seen easily.
3. Only salient points of the subject matter should be written on the chalk board.
4. Teachers should develop the ability to draw freely on the chalk board.
5. It should be ensured that the chalk board is periodically serviced.

## **Charts**

A chart is a non-projected visual teaching aid with diagrammatic representation of a system, process and historical sequence of event. It is a combination of pictorial, graphic, numerical or vertical material designed for the orderly and logical visualizing of relationships between key facts and ideas. It is used in all subjects for concept formation and development among learners.

### **Advantages for effective use of charts**

1. It facilitates the teacher task in presenting and displaying information in the classroom interaction.
2. It helps to show the relationships by means of facts and figures.
3. It helps to show continuity in a process.
4. It helps in presenting the material symbolically.
5. It helps in showing the development structure.

### **Suggestions for effective use of charts**

1. Teacher made charts should be preferred and students should be involved in the preparation of charts.
2. Charts should display information about one specific area in a subject.
3. When a chart is to be used in the classroom, the teacher should make sure that there is provision for hanging the chart at a vintage point.
4. The teacher should have a pointer to point out specific factors in the chart.

## **Models**

Models are non-projected three dimensional visual aids with recognizable imitations of real things or abstract thing. Usually a model is similar to the original object in every aspect except the size. The size of an object may be reduced or enlarged.

### **Advantages for effective use of models**

1. They are the replicas of real objects therefore; they capture the attention of the learners and are best learning motivators.
2. Models simplifies difficult concepts, processes or complex situations by focusing on essential features only and eliminating complex details, which may hinder in understanding the concept.
3. A working model explains the various processes of objects and machines.

### **Suggestions for effective use of Models**

1. Models should be large enough to be seen easily by everyone in the class.
2. Models may be supplemented with other teaching learning materials like chart to help learners to understand the relationships.
3. If it is a working model-check before use in your class.
4. Learners should be allowed to touch the model and feel it for effective learning.
5. True colour should be used in models for realistic learning .It also makes the model more eye- catching.

### **Slide projector**

Slides projector is a projected visual teaching device by which photographic slides of relevant matter meant for teaching in the class can be developed and can be displayed by projecting on the screen or the wall before the class.

### **Advantages for effective use of Slide projector**

1. It helps in the longer retention of the material taught.
2. It captures the attention of the learners and arouses the spirit of readiness to learn the day's lesson.
3. It assists the lesson development and also facilitates student teacher interaction.
6. They can be easily used for small as well as large audience.

### **Suggestion for effective use of slide projector**

1. The content should be accurate and according to the level of the learner.
2. The text in the slide must be legible.
3. The slides should be comprehensible to learners, for this:
  - Use one line per point and use brief phrases. You can elaborate in it during classroom teaching.
  - Use one slide per minute, if you are running through.
  - Do not cram everything on the slide.
  - Do not copy tables or photographs from books.
  - Use abbreviation, which are universal.
  - Avoid complicated figures as they may confuse the learners.

### **Overhead projector**

It is a simple audio visual projecting device that can project a chart, a diagram, a map, a table or anything written on transparent plates upon a screen or the white wall before students in a class. The name comes from the fact that the projected image is behind and over the head of the speaker.

### **Advantage for effective use of Overhead Projector**

1. It makes teaching learning activity more illuminative, illustrative and impressive.
2. It helps in capturing the attention of the learners.
3. It also helps in saving a great deal of the teachers time used in drawing or writing.

4. These transparencies can also be preserved by the teacher for future display while taking up the same topic.

### **Suggestions for effective use of Overhead Projector**

1. The teacher should preferably use bold strong colours like black, red, blue, and green for slides preparation as they provide good contrast on transparent sheets.
2. Preferably eight lines should be written per transparency and eight words per line. This makes it readable with naked eye from 2 meters enabling students sitting at the back to read it clearly.
3. Ensure that all students can see the whole screen. Larger the screen used, better is the projection showing the details.
4. While teaching, progressive disclosure of the slides should be used. The transparency is totally covered with paper. One reveals the portion being discussed in class progressively as the classroom teaching proceeds. This helps the learners in concentrating on the topic being discussed and keeps alive the curiosity about the next point to be discussed.
5. You should face the class while explaining a concept with help of overhead projector slide. The presentation speed should be controlled.
6. Use pointer to focus on point being discussed.

### **Motion picture**

Motion picture is a traditional projected audio visual teaching aids that possess all the advantages inherent in projected still pictures plus the significant feature of motion.

### **Advantage for effective use of motion picture**

1. They draw attention of the students.
2. They can be used to show a record of an event.
3. They can serve a large class at a time.
4. They provide a good aesthetic experience.
5. They help learners in understanding relationship between things, ideas and events.

### **Suggestion for effective use of motion picture**

1. Teachers should highlight the purpose and value of the motion picture prior to showing.
2. Teachers should also asked students to make a note of concepts they do not understand for clarification after the showing of the motion picture.

### **Self-experiment**

Self experiment is an activity teaching aid in which the students learn by engaging in some useful activities. These aids facilitate learning through sight and sound as well as through doing.

### **Advantage for effective use of Self experiment**

1. Active participation of students during the process of learning as it ignites the curiosity to find out answer to the question of the experiment.
2. Students collect and interpret their observation during their experiment using some instrument to reach conclusion thereby build self-confidence in the learners.
3. It makes the learner not a passive recipient of information rather an active constructor of his own knowledge.

### **Suggestion for effective use of Self experiment**

1. Teachers should act as facilitator of the experiment.
2. Students should be aware about the :
  - Objectives of the experiment;
  - Apparatus required;
  - Procedure or methodology to be adopted;
  - Precaution to be taken up;and
  - Conclusion to be drawn.

### **Conclusion**

Teaching aid is an important teaching learning material. The variety of teaching aids discussed will be instrumental in enabling the teacher to realize the instructional objectives of a teaching learning process, if the Teacher is well versed with the principle of selection, principle of preparation, principle of presentation, principle of physical control of the Teaching aids relevant to the classroom instruction. Therefore, a good teacher always is more proficient than a mere teacher in her ability to decide the use of right teaching aid at the right place at the right time.