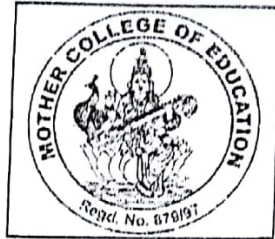


Mother College of Education, Code Number:249

Y.D.PETA-531115



B.Ed. Programme (Academic Year-2015-2017)

Semester-- I / II / III / IV

Course: I.C.T

Name: Ch. Ramamma

Roll No: 06 Regd.No: 216/24902006

Pedagogy: Biological Science / Telugu




ANDHRA UNIVERSITY
VISAKHAPATNAM

CERTIFICATE

This is to certify that Mr./Mrs/Kumari Ch. Ramamma student of Mother College of Education completed _____ activities in College /School/Society and submitted the same as **Activities Record** of the Course ICT for Enriching Teaching and Learning as a part of his/her I / II / III / IV Semester in B.Ed., Programme.

ROLL. NO. 06

REG. NO. 216124902006


Signature of the Lecturer

Signature of the Principal

Initial of the member of
Moderation Board


College Seal

ICT FOR ENRICHING TEACHING AND LEARNING

ACTIVITY-1

Use various visual aids in the class room and report their effectiveness on learning of students.

Use various visual aids in the class room and report their effectiveness on Learning of the student :-

* Visual Material :-

These aids involves the use of the sense of sight and hence called as visual aids.

Student gain knowledge through only seeing the type of visual material include.

Display boards, charts, diagrams, models, motion, picture, film, strips and slides 2D, 3D material Ex. These are explained in coming classification in detail.

* Merits of visual materials :-

1. These develop interest towards material.
2. These material help to reduce abstractness in the concept.
3. Preparation procedure in motivating the students to develop motor skills, such as moulding drawing etc.

4. Creative thinking is developed.
5. These help to achieve objectives of mathematics
6. They have an astonishing power of attracting and holding the attention of the pupils.
7. They afford variety in teaching and breaks the monotony of narration.
8. They connect the aural and visual sensations which is helpful to learning.

* Audio-Visual Material :-

These materials involves the use of the sense of learning and seeing these include, educational films [Sound and motion picture (EF) Educational Television (ETV)]

* i). Educational films :-

An educational film is one which contributes to the achievement of desirable educational goals by making an effective use of motion pictures as a medium of communication. The film make the concept clear, durable and realistic they have helped in developing and modifying the teaching techniques,

Educational films are categorized generally as a class room films, school made film, industrial film, Documentary films, news reels etc.

Some films are directly concerned with class room teaching.

There are many films showing the different concepts of mathematics and school activities.

* Merits :-

1. Films stimulate imaginal and sustains interest.
2. It provides information along with recreation.
3. These act as mass media
4. Films provide vicarious visual experience with light and motivation.
5. Films are used no of times.
6. The past can be shown effectively through films.

* Limitations :-

1. The equipment is expensive.
2. Technicians are very little.
3. No idea to the teacher in making films.
4. They make films in local language as a barrier.

5. Lack of facilities to show the films.
6. These provide on way interaction.

Educational Televisions :-

This is the latest addition to the list of audio visual aids. It combines the radio and the potentialities of the films. So it is called as Queen of audio-visual aids. It is also means of mass communication. That appeals to both the eye and ear.

Based on the nature of television programmes they categorized into.

Direct teaching programmes.

Supplementary enrichment programmes.

Demonstration type of programmes power point presentation also come under demonstrations.

Merits :-

1. These bring the real world room.
2. It creates and develop the interest in the subject.
3. More sensory organs are activated.
4. Students can gain knowledge with ease.
5. New ideas are implemented so students can develop creative thinking.
6. It is best mass media.

Limitations :-

- It is one way communication.
- All the concepts can't be explained.
- There is no learning by doing principle.
- Too expensive to prepare.
- Timing of the programme are not suitable to the class time table.
- Individual difference are not taken into consideration.

Based on the mode of projections or non-projection, teaching materials are classified into projected and non-projected material respectively.

Projected Material :-

Materials which are projected to visual with the help of different projectors are termed as projected materials.

Ex :- Projected Material projector :-

Transparencies	-	OHP
Slides	-	Slide projector
Film Strips	-	Film Strip projector
Films	-	Motion picture projector
CD	-	DVD player or Computer
OHP	-	Computer

Over head projector :-

Defination :- An instrument that projects and amplifies an image or -

- Written text on a Transparency.

USES :-

1. To present activity plan or objectives.
2. To show tables.
3. To Systematize the information to be Comueyed.
4. To list brain - Storming ideas.

Advantages :-

1. Spontaneous if used as a board for large group [Magnification effect]
2. Allows speaker to face students.
3. Can be refused.

Dis advantages :-

1. Awkward to handle.
2. Transparencies can be difficult to design and make.

Uses rules :-

1. Place screen 2 meters from the first student 1.8 meters from the floor.

2. Schematize: Present essential point organization charts etc.
3. Use mounts.
4. Face Students, points to the transparency and not to the Screen.
5. Check visibility do not black the Screen.
6. Transparencel every 2 or 3 mints.
7. Turn on the lamp only if there is a transparencel on the projects.
8. The Transparencel should have a maximum of lines.
9. Handle the equipment Correctly.

LCD projector :-

LCD (Liquied crybtal display) is the technology used for display in note book and other smaller Computers like light-emitting diode (LED) amages-plasma technologies, LCDs allow displayer to be much thinner than cathoderay tube(CRT)-

- technology. LCDs consume much less power than LED and gas-display, because they work on principle of blocking light rather than emitting it.

An LCD is made with either a passive matrix or an active matrix display grid. The active matrix LCD is also known as a thin film transistor (TFT) display. The passive matrix LCD has a grid of conductors with pixels located at each intersection in the grid. A current is sent across two conductors on the grid to control the light for any pixel. An active matrix has a transistor located at each pixel intersection, requiring less current to control the luminance of a pixel for this reason, the current in an active matrix display can be switched on and off more frequently, improving the screen refresh-

11
- Time [your mouse will appear to move more smoothly across the screen the screen, for example]



Slide projector :-

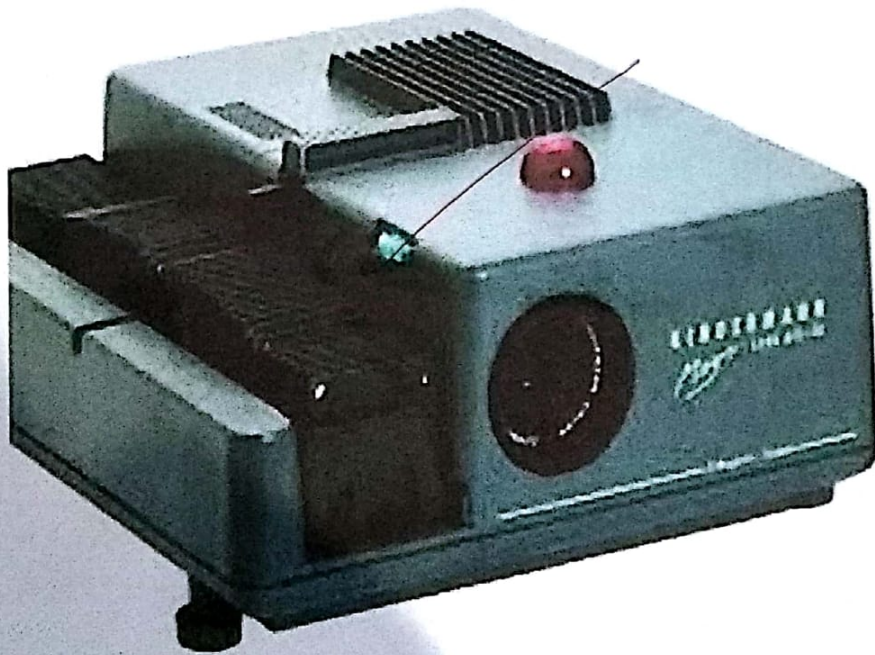
A slide projector is a device that is used to view - photographic slides by using optical and mechanical methods. -

It contains an electric light bulb. Focusing reflector and condensing lenses a holder that hold the slide.

A flat piece of heat absorbing glass is often placed between the condensing lens and the slide, to avoid damaging the slide this glass absorbs infrared. Light passes through the transparent slide and lens and the resulting image is enlarged projected onto a screen. So the ~~audience~~ audience can view its reflection. The image may be projected into a translucent rear projection screen that is used for continuous automation, display for close viewing. That ~~form~~ projection also avoids that people who look at the show interrupt the light stream or dump in to the projector.

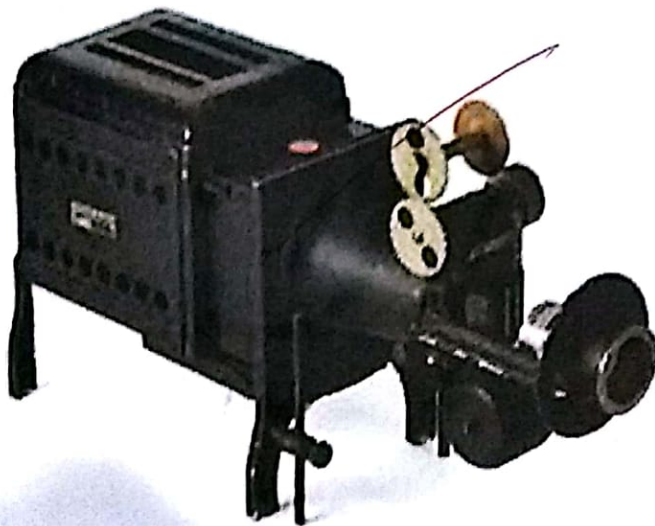
Slide projector were common in the 1950 and 1960 as a form of entertainment, family members and friends would gather to view slide shows.

In-home photographic slides and slide projectors have largely been replaced by low cost paper prints, digital cameras, DVD media, video display monitors and digital projectors.



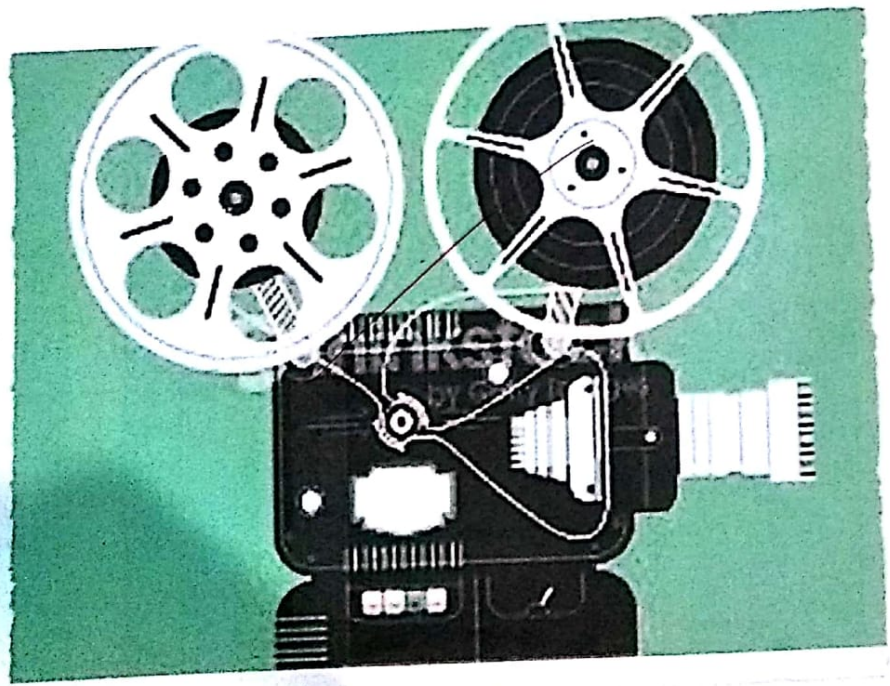
Film Strip projector :-

A length of film containing a series of photographs, diagrams or other graphics matter prepared for still projection. A strip of film composed of different images projected separately as slides.



Motion Picture Projector :-

A motion picture projector and shows motion pictures on a screen and that is usually fitted with suitable electrical or mechanical attachments for reproducing sound in synchronism with the picture.



Conclusion :-

I am from Mother college of education Name is Ch. Ramanamma doing the course of teacher training. In this process I visit a school to do my activity of using various aids in the class room for efficient learning and teaching of the students.

The students are learning in creative method by using overhead projectors and LCD projectors. By using overhead projector and LCD's the students are remembered for a long time.

For giving this opportunity. I am thankful to the principal madam and the staff members in that school. And I am also thankful

- To over Mother College principal
madam garu and P.C.T Sir Ramesh
Sir for giving the opportunity.

