

Appropriate use of Media

MET Unit, NKPSIMS

Teaching

- * Is an art
- * Requires 3 things
 - 1) **Expertise** at the subject
 - 2) Grasp of the **language**
 - 3) Skills to **communicate**

* 4th important thing required is

**CHOOSING THE
APPROPRIATE
TEACHING AID**

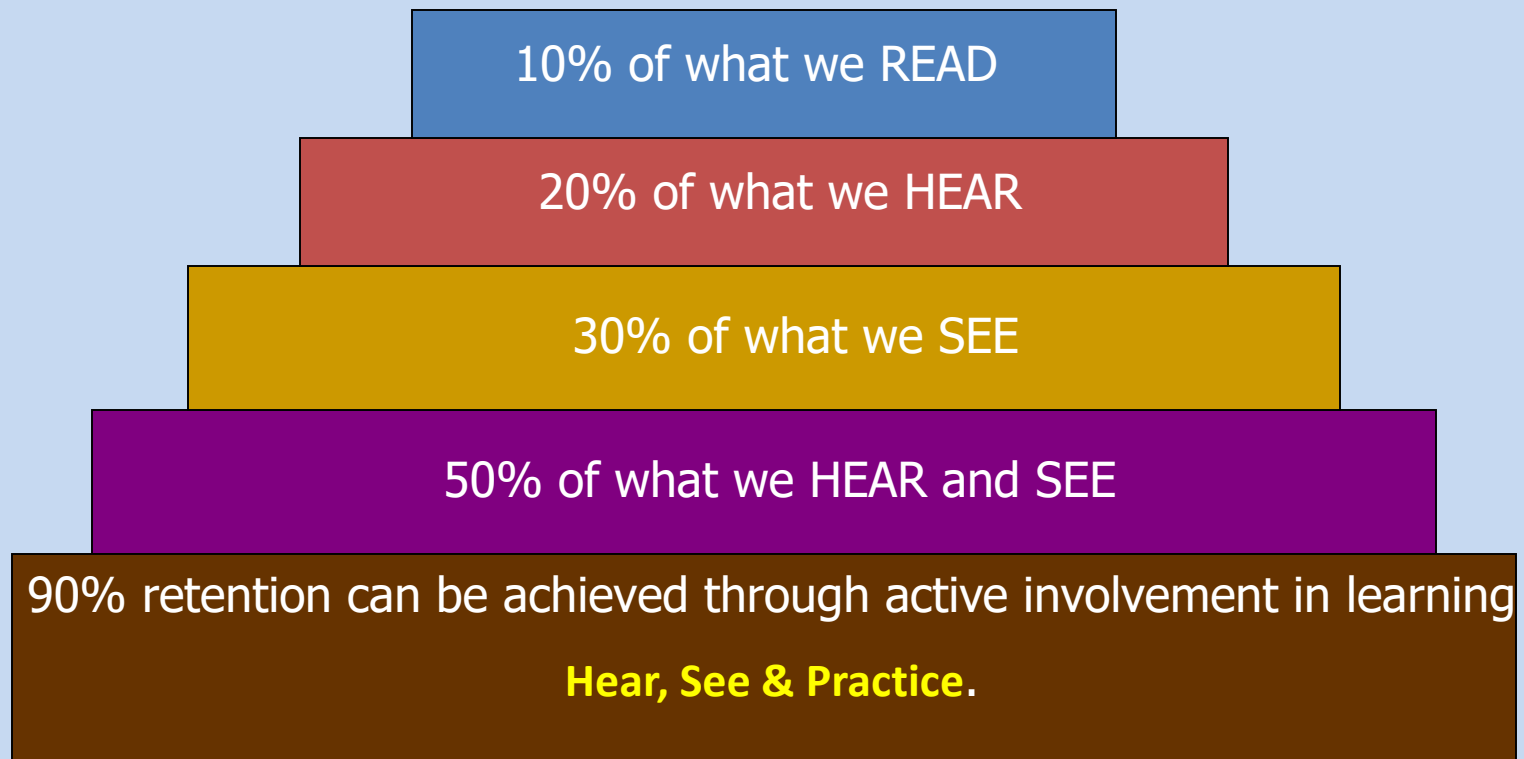
Definition

- T-L method:
 - A planned way of providing a teaching learning experience
- T-L media:
 - means of communicating educational information

Why Use Teaching Aids?

Facts of learning

We Learn and Retain:



Why use Teaching Aids?



- Reinforce
- Ensure that your point is understood
- Enable students to visualize or experience something that is impractical to see or do in real life,
- Engage or stimulate students' other senses in the learning process,
- Facilitate different learning styles.
- Summarize key concepts

CLASSIFICATION

1. Non-projected visual aids
 - a. Chalkboard
 - b. Display board, cards and charts

2. Projected visual aids
 - a. Overhead projector
 - b. Slide-projector
 - c. Episcope
 - d. Direct projector

3. Audio aids

- a. Public address system
- b. Audio tape system

4. Written aids

5. Patients and real objects

6. Three dimensional representation

1. Models
2. Simulators

7. Simulation and role play

8. Audio visual aids

1. Videotapes
2. Tape slide system and cine film
3. Video scope
4. LCD panel
5. Virtual reality

9. Mass communication media – radio, TV

GROUP ACTIVITY

- From the given teaching aid summarize:-
 - 1) The salient features of its use
 - 2) The advantages and disadvantages of its use
 - 3) The do's and don'ts of this aid
 - 4) In which type of setting is this teaching aid useful

Group 1

- Video

Group 2

- LCD projector- Power Point Presentation

Advantages

- Attractive
- Clarity and visibility of the text
- Material -reused and updated
- Go back to previous slides
- Complicated diagrams, pictures, charts, illustrations can be used

Disadvantages

- Depends on power
- Difficult to take notes
- Technical skills are required

Guidelines for power point presentation

- Maintain eye contact with audience
- Use slide titles. Keep text to minimum
- Use images and graphics
- Simple uniform font of size **20 to 24 points**
- **3-5 points per slide**
- Give audience time to absorb the points

Don't go overboard with the animation

WEINSTEIN(1982)



H



HEMOLYSIS

EL



ELEVATED LIVER ENZYMES

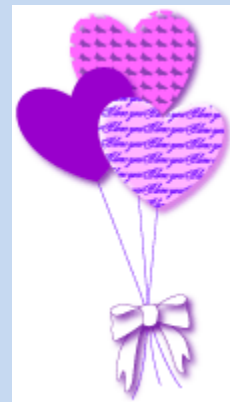
LP



LOW PLATELETS



- Avoid complicated fonts
- DON'T CAPITALIZE FONT
- Overuse of colours , fluorescent colors ,
- dark on dark
- Clipart / animation sparingly
- Too much text ...?



- Sachin Tendulkar is a cricketer
- What a surprise ? MCI tomorrow
- *Katrina is coming to LMH next week*
- MET audience are wonderful !!

Group 3

- E-learning

e- learning

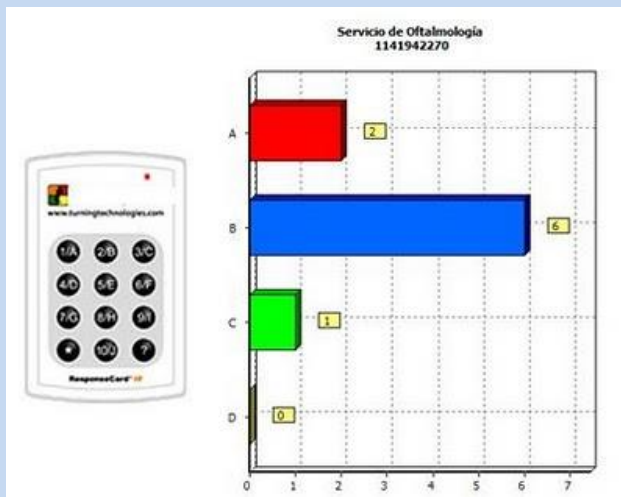
- ❖ anyplace, anytime, on-demand education.
online courses and discussion boards
- ❖ real-time interactive Webinars and online lectures

Benefits

- Convenient
- Cost effective
- Consistent
- Media – rich
- repeatable

'interactive answering system'

- Hardware that allows participants to answer a MCQ
- Software for voting /surveys : use cell phone and SMS
Survey monkey and Studio software



01141942270 > c

01159674159 > Laser in situ keratomileusis

01154579354 > laser in situ intra-epitelial keratoplasty

01159674159 > Laser in situ keratomileusis

01130542372 > Laser in situ

01157536809 > Laser Queratomileusis in situ

01154579354 > Laser in situ estromal keratoplasty

01162712658 > Láser asisted in situ Keratomileusis láser subepitelal Keratomileusis

GROUP 4

- Blackboard/ Whiteboard

Tips for effective use of writing board

- Write only key points
- Don't use non standard abbreviations
- Use clean board for new concept
- Legible handwriting- Letters 1 inch
- Use white/yellow chalk
- Use little pressure while writing

- STATIC and DYNAMIC part of blackboard
- Avoid using sides & bottom
- Increase visibility-use tube light
- Use board symmetrically
- Move while writing
- Start your lecture with clean board
- Clean the board at the end

Group 5

- Mannequin/ Model

**Teaching aids can offer useful
support**

BUT

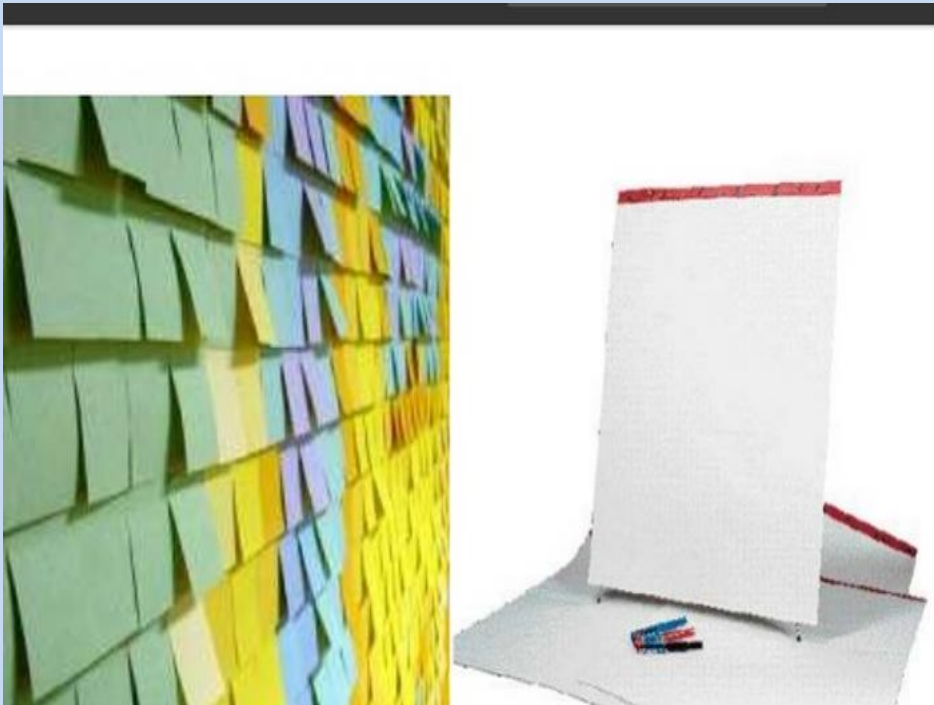
**they are no substitute for
your own words spoken with
sincerity, passion and clarity**

(GOOD TEACHER)

Thank-You

THE FLIP CHART

- * Large chart with a pad of paper on a tripod or stand



ADVANTAGES

- * The notes, diagrams or flow charts **can be prepared in advance**
- * **Revealed at the appropriate points** of the teaching session
- * Pages can be removed and **taped on the walls** for future reference.
- * **Can be preserved** for display even after the class

DISADVANTAGES

- * Not effective larger audiences
- * The chart **cannot hold large amount** of material
- * Writing at the same time during session is time consuming
- * **Difficult to talk** at the same time
- * Sometimes writing is illegible

Virtual reality

- Computer based 3D program
- VR helmet and electronic glove is worn by the user
- User is connected to computer
- Psychomotor skills like performing surgery can be learnt by VR machines in few years-

Virtual reality - Simulator



Overhead Projector (OHP)



ADVANTAGES

- * Simple
- * Can be used with the classroom **lights on**
- * Image can be **projected high**
- * Easily available and inexpensive
- * Can be **prepared quickly** and **in advance**
- * Allows more time for discussion
- * Allows **step-wise presentation** of material
- * **Overlay** can be done
- * can be **Preserved** for future use

DISADVANTAGES

- * Speaker has to be careful **not to block the view** of the screen
- * **Can go out of focus** if it is moved on the stage
- * **Crowding** can happen

PREPARING TRANSPARENCIES

- * **Thicker sheets** are more durable
- * Can be displayed in black and white or **colour**
- * **Computer printing** affords clarity of text
- * Limit each visual to **one main idea**
- * Use 6 -7 lines, 6 words in each line
- * Use large lettering (5 mm tall)
- * **Printed text** is easier to read

GUIDELINES

- * Check the **on/off switch**
- * Check if the **extra bulb** is working
- * Familiarise with **focusing and adjusting**
- * **Screen** for projection **placed on a higher level** than the speaker