



2-8: Selecting And Using Training Aids



Benefits Of Training Aids

- Enhance student understanding
- Increase student acceptance
- Add variety to a lecture
- Clarify, prove, or emphasize a key point
- Enhance memory
- Illustrate a sequence of events or steps in a process
- Save lecture time



Selection Considerations

- Learning objectives and lesson content
- Required student performance
- Class size and interaction
- Pace of learning
- Practice factors
- Evaluative factors
- Budget limitations



Nonprojected AV Advantages

- Do not depend on high levels of technology or technical skill
- Easier to use and less likely to malfunction during presentations
- Generally, nonprojection-type equipment also costs less to purchase, create, use, and maintain



Models

- Excellent medium for illustrating mechanical or spatial concepts
- Tabletop miniatures
- Cutaway models
- Anatomical models
- Replicas or miniatures
- Actual tools and equipment



Marker Board Illustrations

- Chalkboard
- Dry-erase marker board
- Electronic or interactive board
- Easel pad
- Advantages
 - Easiest and most versatile
 - May be fixed, movable, or portable
 - Useful for numerous instructional activities



Chalkboards

- Traditional mainstay and versatile tool
- Thoroughly erase between uses and periodically clean
- Advantages
 - Low cost
 - Low maintenance
 - High reliability
 - High visibility



Chalkboards

- Disadvantages

- Must either be left in place or erased
 - If left in place, that area is not available
- When erased, the presentation must be built from the beginning if needed again
- Chalk dust
 - Can create a respiratory hazard
 - Requires frequent cleaning of surfaces



Dry-erase Marker Boards

- Nonelectronic variation of a chalkboard
- Writing surface is white
- Can be written on with colored markers
- Easier to erase than a chalkboard
- Similar uses
 - Versatile
 - Reliable
 - Easy to use



Dry-erase Marker Boards

- Advantage

- Allows instructors to write or draw on the board with multiple color markers

- Disadvantages

- Use only dry-erase markers on marker boards
- More expensive than regular markers used on easel pads



Electronic Copyboards

- Versatile variation of the dry-erase marker board
- Scans and prints a reduced-size copy of material drawn or printed on the board
- Expensive



Peripheral Boards

- Transfers the information into a digital file and stored on an attached computer
- Can be attached to a projector, making the board interactive



Interactive Boards

- Most expensive and sophisticated form
- Operates like a large touch-screen monitor
- Synchronized to an attached computer
- Permits users to interact with the display, visit Internet sites, and access databases



Easel Pads

- A large pad of paper mounted on an easel for display
- Paper may be lined, unlined, or ruled for graphs
- Various grades and colors are available
- Can be wall-mounted, freestanding, or shortened for tabletop use
- Can use a variety of colored pens



Illustration or Diagram Displays

- Display topical illustrations or diagrams purchased or prepared in advance
- Can be mounted or created on poster board
- Saves class time
- Provides consistency between similar class sessions



Illustration or Diagram Displays

- Addresses a variety of learning styles
- Aids in explaining procedures and processes, statistical data, and anatomy and physiology
- Can distract the student



Duplicated Materials

- Any printed matter distributed before, during, or at the end of a class
- Distribute at the end of a presentation
 - Unless needed for reference during class
 - Avoids students dividing their attention between the handout and the instructor
- Consider using as precourse material



Duplicated Materials

- Self-study guides
- Assignments
- Activities
- Note guides



Audiotapes and CDs

- Instructor's use
 - Brings realism to many areas of training
- Student's use
 - Record and review lectures
 - Dictate and review notes
 - Listen to prerecorded books



Casualty Simulation

- Increased realism = increased value
- Simulating injuries
 - Commercially available kits and prostheses
 - Modeling paste, wax, and makeup
- Use qualified personnel
- Important to properly brief the individuals who are role players



Projected Training Aids

- Advantages

- Images are vivid, multicolored, and visible to a large audience
- Stimulate multiple senses simultaneously



Projected Training Aids

- Disadvantages

- Large investment in audiovisual equipment
- Costly purchase of presentations
- Device placement obstructing the vision of some students in the classroom
- Distraction for some students by instructor operating the device
- Extensive time spent in creating presentations



Use Guidelines

- Keep simple and easy to understand
- Allocate sufficient preparation time
- Rehearse
- Use only the number needed
- Create large enough to be seen and read by all
- Have a contingency plan



Avoiding Distractions

- Introduce at the right time
- Avoid simultaneous use
- Emphasize the message not the equipment
- Keep eye contact with students
- Ensure that all students can see and hear



Avoiding Distractions

- Display above eyelevel
- Adjust ambient lighting
- Reduce glare
- Minimize pedestrian and/or vehicle traffic in the training area