What is it?

• VERBAL EXPLANATION + LIVE DISPLAY USING APPARATUS/MODELS
  = DEMONSTRATION.

TELLING

DEMONSTRATION

SHOWING

DOING
PURPOSE OF DEMONSTRATION

• Teaching a skill, concept or principle.
• Delicate and dangerous experiments involving careful manipulation.
• Experiments involving difficult and complex operations.
• Use of costly apparatus.
• Several experiments are to be performed in one period to establish connections between them to derive conclusions.

• **Number of operations** in an experiment are **too many**.
ADVANTAGES

• Concrete things are shown. So students don’t enter into false imagination as it happens in a lecture.

• Students get confidence in the application of scientific principles as they observe them working and not simply hear about them.
• Motivates the students for further learning.
• Number of equipment is less and students are more, this is an ideal method.
• Method is aligned to the principle, ‘Learning is more in seeing than in hearing; Learning is more in doing than in seeing and hearing;
(Dramatization in the important steps and procedures)

GUIDELINES FOR EFFECTIVE DEMONSTRATION

• Specify the **objective** of the demonstration.
• Prepare a **plan** for your demo listing the various steps in the proper sequence.
• Decide what information should be presented to the students **BEFORE, DURING** and **AFTER** THE Demonstration.

• Choose **appropriate equipment**, tools and other accessories.

• Practice or rehearse the presentation.
• Arrange the **physical setting** so that each student will be able to see clearly.
• Arrange the **equipment** to be demonstrated **in order**. It is convenient to keep the equipment to be used on the left hand side and the used ones on the right hand side.
• Demonstrate **step by step**. match explanation with manipulation. Avoid lengthy explanations.

• Use a **pointer** to **highlight** the details/specific features.

• **Do not show** how **Not** to do a particular thing.

• Provide **opportunities** for **students’** participation in the demonstration.
Thank you

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