

**WEEK: FOUR and FIVE.**

**SUBJECT: TECHNICAL DRAWING.**

**CLASS: SS1.**

**TOPIC: BOARD PRACTICE AND SAFE WORKING HABITS**

## **BOARD PRACTICE**

To achieve the desired result in technical drawing, the principles of board practice must be strictly observed. Both the drawing board, T-square, border line, pencils, etc. must adhere to standards.

Board practice entails all the actions and activities done on the drawing board to get it ready for the actual drawing.

### **Practical board practice procedures**

1. The drawing board must be conveniently placed on a drawing table with the stock of the T-square at the left hand side of the drawing board.
2. Ensure that the stock of the T-square laps with the edge of the drawing board. The T-square should be free to slide on the drawing board.
3. The drawing paper should be placed at the centre of the board, leaving equal spaces around the board.
4. Place the T-square on the drawing paper and gently slide it to the top edge of the drawing paper without moving the paper itself. Ensure that the T-square is parallel to the edge of the drawing paper.
5. Grip the drawing paper firmly with the blade of the T-square, carefully slide the T-square downwards without moving the drawing paper.
6. Cut four pieces of tape or drawing pin to hold the four edges of the drawing paper on the drawing board.
7. Mark out 10mm from the four edges of the drawing paper with pair of compasses and pencil for a border line.
8. Mark out 120mm x 50mm from right bottom side of the drawing paper for the title block.

## **TITLE BLOCK AND LETTERING**

The title block contains all the relevant details concerning a particular drawing; Name, School, Class, Subject, Date.

Lettering is a systematic arrangement of letters or alphabets and numbers in an acceptable standard.


## **Safe working habits and precautions in handling technical drawing instruments**

Technical drawing involves the handling of some sharp and dangerous instruments during execution of a drawing. These instruments when not properly handled, may result to injury which may lead to temporary or permanent disabilities.

### **Some safe working habits include;**

1. Ensure that technical drawing instruments are kept clean before and after use.
2. Do not lean or press hard on the drawing instruments because, they are fragile and could break easily.
3. Do not use the T-square as a walking stick.
4. Do not use the pair of dividers, compasses or any other drawing instrument as a fighting weapon.
5. Do not engage in horse play in the drawing studio.
6. Use the right instrument for the right application (job).
7. Ensure that the instruments are stored in a safe and dry place.
8. Ensure good housekeeping in the studio.
9. Exercise patience while carrying out drawing assignments. Do not abandon your drawing half-way.
10. Always practice constantly with worked examples using the instruments to increase your speed and master of your instruments.
11. Always wash your hands regularly to ensure neat job.
12. Do not use pen for construction purposes unless otherwise stated.
13. Ensure that your work is always clean and neat.

### **ASSIGNMENT:**

1. Why is knowledge of board practice necessary?
2. Explain the term, "good housekeeping"