

**SUBJECT:** BASIC TECHNOLOGY  
**TOPIC:** BOARD PRACTICE (II) (DEMONSTRATION)  
**CLASS:** JS1  
**WEEK:** 4  
**DATE:** 29TH JANUARY 2024

**BOARD PRACTICE II**

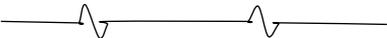
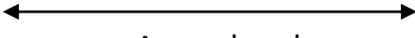
**4.1 USING THE TEE-SQUARE AND SET-SQUARES FOR DRAWING LINES**

The various uses of setsquares are given below:

1. It is used sitting squarely on the tee-square to draw vertical lines.
2. It is used to draw angle (inclined) lines with the set-squares turned in different directions depending on the desired angle.

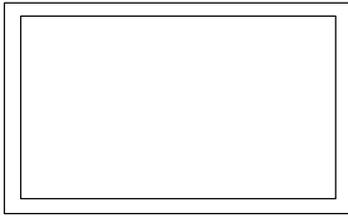
**4.1.1 TYPES AND USES OF LINES IN TECHNICAL DRAWING**

The different lines used to make a drawing are shown in the table below.

TYPES OF LINES	THEIR USES
 Thick continuous line	For visible outlines and edges.
 Thin continuous line	For dimension lines, projection lines and construction lines.
 Thick long chain line	For cutting and viewing planes as centre lines and path lines for indicating movement
 Thin long chain line	For short break lines and boundary lines.
 Thick continuous wavy line	For limits of partial views.
 Thin ruled line with short zig-zags	For long break lines.
 Arrow heads	Used at the end of dimension lines
 Dotted straight line	For hidden outlines and edges

**4.1.2 DRAWING BORDERLINES**

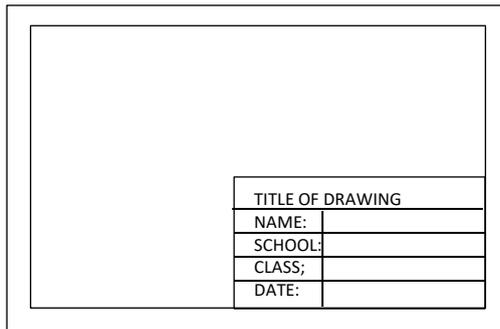
Boarder lines are also called margins. A space of about 10-15mm is left all around the drawing paper and is demarcated with straight lines. These lines are called border lines. They beautify the drawing paper and protect the drawing inside.



#### 4.2 POSITIONING AND DRAWING THE TITLE BLOCK

##### Title Block:

It gives necessary information about the drawing such as name of designer, school, class, date, scale etc. The title block is usually at the bottom right-hand corner of the drawing paper.



#### 4.3 WRITING (FREEHAND) LEGIBLE LETTERS AND NUMERALS (LETTERING)

##### Lettering:

Lettering is the art of writing of letters (alphabets) and numbers (figures) in bold form or lower case form on drawing.

The most important point is that the characters of the lettering must be uniform, legible, equally spaced and well proportioned. Lettering can be done either by free hand or with an instrument. The two styles of lettering are vertical or inclined styles.

##### ASSIGNMENT:

1. Briefly explain how set-square can be used to draw vertical lines.
2. What is lettering?