LESSON PLAN FOR WEEK TWO ENDING 20-09-2024

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| THEME: | Drawing Studio Practice |
| DATE: | 18-09-2024 |
| CLASS: | SSI |
| TIME: | 10:30-11:50 |
| DURATION | 80 Minutes |
| PERIOD | 5 & 6 |
| SUBJECT: | Technical Drawing |
| UNIT TOPIC: | Board practice |
| LESSON TOPIC: | Technique of fixing drawing sheet on the drawing board |

SPECIFIC OBJECTIVES: At the end of the lesson, learners should be able to:

1. Define Board practice
2. State steps for laying out drawing sheet
3. Draw title block and boarder lines

INSTRUCTIONAL RESOURCES: Set square, Tee, Drawing board, Drawing paper, Eraser and pencil.

LESSON PRESENTATION

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| STEPS | TEACHER’S ACTIVITIES | STUDENTS’ ACTIVITIES | MODE |
| STEP 1 | PREVIOUS KNOWLEDGE: The students were identified drawing instrument like drawing board and tee square in their last class and their uses. They will be curious to know their uses. | Students recall. | Entire class |
| STEP 2 | EXPLORATION: The teacher introduces the topic with the following activities that will arouse their curiosity thus;   1. What is board practice? 2. The teacher raises A3 paper and asks them to identify the grade. 3. The teacher instructs them to set the paper on board. | Students make attempt to answer the questions. | Entire class |
| STEP 3 | DISCUSSION (A) BOARD PRACTICE:  BOARD PRACTICE; This is the act of making technical drawing with the use of drawing board, other drawing instruments and drawing materials. The technical drawing people like engineers, technicians, draughtsmen (people that draw), architects, etc. must have knowledge of board practice for them to do exceedingly well in their professions.  (B) SETTING OR LAYING OUT DRAWING SHEET.  1. The drawing board is conveniently placed on the table with the paper on the board, leaving equal size all rounds, with the Tee-square edge to the left hand side.  2. Place the Tee- square on the paper and gently move or slide the Tee-square to the top edge of the paper. Set the top edge of the paper parallel to the edge of the Tee-square with the stock of the Tee-square firmly against the edge of the drawing board on the left-hand side.  3. Hold the paper with four pieces of adhesive tape or thumbtack to hold the paper in position at four corners.  4. Gently slide the Tee-square down without moving the paper.  (C) How to draw title block and boarder line  **A Border**is a line drawn around the edge of your sheet. It should be a dark line, and is normally 10mm in from the edge of the sheet from each side. It is done to improve the appearance of your drawing sheet. They should stop immediately when they meet in the four corners, if they run on past each other it will not look neat and take from the appearance.  1. Measure down 10mm from the top edge of the drawing sheet and mark a dot. Measure up 10mm from the bottom of your sheet and mark another dot.  2. Using your T-square draw two horizontal lines through the two dots after marking lightly (You do not know yet where they are going to stop).  3. Next, measure in 10mm from the left and the right hand side of your sheet and mark 2 separate dots.  4. This time using your T-square and your set square draw two vertical lines through these two dots. these two lines can be heavy and should stop when they meet the two horizontal lines previously drawn.  5. Now you can go over the horizontal lines heavy as you know where they will stop.  6. Finally remove the excess construction lines to tidy up your sheet.  1. Title block; this is an information containing the details of the drawing and the drawer (draughtsman). It introduces or identifies a drawing work. Inside the title block is printed important information such as Name, Title, Scale and Date. It is drawn at the bottom right hand corner of the drawing paper.   |  | | --- | | The measurements for the title block can be seen below. All the lines are dark with the exception of the guidelines between which the printing is positioned.  title block | |  |  |  | | --- | |  | | Students listen attentively and take down notes. | Entire class |
| STEP 4 | APPLICATION: The knowledge of board practice, title block and boarder line helps the young technologist to draw accurately and give accurate information about the drawing. Thus the need for the young technicians to acquire it. | Students ask questions on the topic which the teacher answers. | Entire class |
| STEP 5 | EVALUATION: the teacher evaluates the students with the following questions:  1. In your own words define board practice.  2. Using A3 paper draw a title block and include the following information; Name, School, Date, Scale, and Title block. | The students answer the questions. | Entire class |
| Assignment | Using A3 paper draw a title block and include the following information; Name, School, Date, Scale, and Title block |  |  |
| References | Technical drawing manual by Ajayi E.K .  [www.1.bp.blogspot.com](http://www.1.bp.blogspot.com)  [www.google.com](http://www.google.com) |  |  |