**LESSON/NOTE PLAN FOR WEEK 5 ENDING 10th FEBRUARY 2023.**

**TERM: SECOND**

**WEEK: FIVE**

**DATE: 9TH FEBRUARY 2023**

**CLASS: JSS THREE**

**SUBJECT: BASIC TECHNOLOGY**

**TOPIC: DRAWING PRACTICE**

**SUB-TOPIC: ORTHOGRAPHIC PROJECTION**

**PERIOD: 5th**

**TIME: 11:10-11:50**

**DURATION: 40 MINUTES**

**NO IN CLASS: 13**

**AVERAGE AGE: 12-13 years**

**SEX: Mixed**

**SPECIFIC OBJECTIVE; By the end of the lesson the student should be able to:**

1. **Define Orthographic projection**
2. **State the various types of orthographic project**
3. **Draw orthographic projection of different shapes**

**RATIONALE: To introduce to the student the concept of technical and engineering drawing.**

**PREVIOUS KNOWLEDGE : The student are familiar with the topic.**

**INSTRUCTIONAL RESOURSE: Charts , pictures, diagram from the reference material.**

**REFERENCE MATERIAL[S]: Comprehensive basic technology for junior secondary school by**

**B A Adelekan.**

**LESSON DEVELOPMENT**

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| **STEPS** | **TEACHERS’ ACTIVITY** | | **STUDENT’S ACVITITY** | **LEARNING POINT** |
| **INTRODUCTION** | **The teacher introduces the topic by reviewing the previous lesson** | | **The students participate in the discussion** | **To arouse the students learning interest** |
| **STEP 1** | **The teacher guides the students to define orthographic projection** | | **The students define orthographic projection** | **To ensure proper understanding** |
| **STEP2** | **The teacher leads the students to state the types of orthographic projection** | | **The students state the types of orthographic projection** | **To ensure good proper understanding.** |
| **STEP 3** | **The teacher draw different shapes of object and explain the principles of orthographic projection** | | **The students pay attention as the teacher explain** | **To ensure proper understanding** |
| **BOARD SUMMARY**  **images (5)** | **PRINCIPAL PLANES OF PROJECTION.**  **When constructing an orthographic drawing lines are imagined as being drawn in or projected from the object to three mutually perpendicular surfaces called the horizontal plane ,vertical plane and side vertical plane .**  **ANGLES OF PROJECTION**  **When constructing an orthographic drawing it necessary to specify the angle of projection which is being used. The expression angle of projection refers to the quadrant of a circle in which the object being drawn is imagined to be placed. There are four types of angle of projections**   * **First angle** * **Second angle** * **Third angle**   **Four angle** | | **The students ask question for more clarification** | **To create room for slow learners** |
| **EVALUATION** | **The teacher asks the students to**   1. **Define orthographic drawing** 2. **State two advantage of orthographic drawing** | | **The students attempt the question** | **To ascertain the students understanding** |
| **CONCLUSION** | **The teacher end the lesson by marking the students note** | **The students submit their note for marking** | | **For future use** |
| **HOME WORK** | **Draw the following isometric drawingortho** | **The students copy the question** | | **To encourage learning at home** |

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**10th February 2023**

**DEPUTY HEAD INSTRUCTOR ADMIN**

**NB: APPROVED!**