**LESSON PLAN/NOTE FOR WEEK 8 [EIGHT] ENDING 3RD MARCH 2023.**

**TERM : SECOND**

**WEEK: EIGHT**

**DATE : 27TH FEBRUARY 2023.**

**CLASS: JSS TWO**

**SUBJECT: BASIC TECHNOLOGY**

**TOPIC: ENERGY AND POWER**

**SUB- TOPIC : ENERGY BASED TECHNOLOGICAL APPLIANCES**

**PERIOD : 2ND**

**TIME : 08:50-09:30**

**DURATION : 40 MINUTE**

**NO IN CLASS: 13**

**AVERAGE AGE: 13 YEARS**

**SEX: MIXED**

**LEARNING OBJECTIVE: By the end of the lesson the students should be able to ;**

1. **Define energy and power**
2. **Describe few appliances that uses energy**
3. **Explain technology of appliances based on electromechanical principles.**

**RATIONALE: To introduce to the students the concept of energy conversion from one form to another.**

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

**INSTRUCTION MATERIALS: Charts, pictures and diagram from the reference material.**

**REFERENCE MATERIALS: Comprehensive basic technology for junior secondary school. By A Adelekan.**

**LESSON DEVELOPMENT**

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| **STEPS** | **TEACHER’S ACTIVITY** | **STUDENTS’ ACTIVITY** | **LEARNING POINT** |
| **INTRODUCTION** | **The teacher introduces the lesson by reviewing the previous lesson** | **The students participate in the class discussion.** | **To arouse the students interest** |
| **STEP 1** | **The teacher guides the student to define energy and power.** | **The students answer the question** | **To encourage critical thinking.** |
| **STEP 2** | **The teacher asks the students to describe few appliance that uses energy** | **The students describe few appliances that uses energy e g refrigerator , air conditioner, freezer , e t c** | **To ensure proper understanding** |
| **STEP 3** | **The teacher explain the concept of energy change from one form to another.** | **The students pay attention to the teachers explanation** | **To ensure good understanding** |
| **BOARD SUMMARY** | **ENERGY AND POWER.**  **ENERGY;- Is the ability to do work, the sources of energy are materials from which energy can be obtain for beneficial use.these sources of energy are some are sometimes grouped into two namely; non renewable sources and renewable sources.**  **POWER;-Power as a technological or scientific concept makes it possible to rate machine ,appliances and engineering systems as regards how they use energy or perform work.**  **ELECTROMECHANICAL PRINCIPLES APPLIANCES.**  **These are appliances which depend on both electrical and mechanical energies to perform their normal functions. In this group belong refrigerator,freezer and air conditioners. A vital process which takes place while these appliances are being used is called heat transfer.** | **The student ask question for clarification** | **To create room for slow learners** |
| **EVALUATION** | **The teacher evaluate the student with following question.**   1. **Define energy and power** 2. **Mention 3 appliances that depend on electrical and mechanical energies to perform their function.** | **The student attempt the question** | **To ascertain the student understanding** |
| **CONCLUSION** | **The teacher round up the lesson by marking the students note** | **The student submit their note for marking and correction** | **For future use.** |
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3rd March 2023

DEPUTY HEAD INSTRUCTOR ADMIN

NB: APPROVED