**LESSON PLAN FOR WEEK 4 ENDING 3RD FEBRUARY, 2023.**

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| TERM | 2ND |
| WEEK | 4 |
| DATE | 30TH January-3rd February, 2023. |
| SUBJECT | Physical And Health Education |
| TOPIC | Non-renewable Energy |
| SUB-TOPIC | Implications of the misuse of Non-renewable Energy |
| PERIOD | 3rd |
| TIME | 9:30-10:10 |
| CLASS | JSS1 |
| NO IN CLASS | 18 |
| DURATION | 35 Minutes |
| SEX | Mixed |
| AVERAGE AGE | 9-10 Years |
| LEARNING OBJECTIVES | By the end of the lesson, scholars should be able to:  i.List the implications of the misuse of non-renewable energy.  ii.Explain the implications of the misuse of non-renewable energy sources. |
| RATIONALE | To acquaint scholars with the implications of the misuse of non-renewable energy sources. |
| PREVIOUS KNOWLEDEG | The scholars can mention some examples of renewable and non-renewable energy sources. |
| INSTRUCTIONAL RESOURCES | Charts from textbook explaining the topic. |
| REFERENCE MATERIAL | Physical and Health Education for Junior Secondary schools. Book 1.  Fadoju .A (2016). |

**LESSON DEVELOPMENT**

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| **STEPS** | **TEACHERS’S ACTIVITIES** | **SCHOLARS' ACTIVITIES** | **LEARNING POINTS** |
| Introduction | The teacher introduces the lesson by asking the scholars to mention two examples of renewable energy sources. | The scholars mention them as:  i.Solar power  ii.Hydro power | To ascertain what they learnt in the previous lesson. |
| Step 1 | The teacher lists the implications of the misuse of non-renewable energy. | The scholars pay attention. | To encourage proper understanding on the topic. |
| Step 2 | The teacher explains the implications of the misuse of non-renewable energy. | The scholars listen and asks relevant questions on the topic. | To make room for critical thinking on the topic. |
| Board summary | The teacher summerises the lesson thus:  Implications of the misuse of non-renewable energy:  i.Air pollution  ii.Greenhouse gas emissions  iii.Acid rain and water pollution  iv.Environmental damage  v.Land Pollution.  1.Air Pollution: Non-renewable energy sources are not just altering our Earth’s atmosphere by increasing the amount of greenhouse gas emissions. They also emit a variety of pollutants that affect people’s health and the environment.  ii.Greenhouse Gas Emissions: Perhaps the most wellknown impact of using non-renewable energy sources is the emission of greenhouse gases, in particular, carbon dioxide and methane, which contributes to climate change.  iii. Oil is pumped out of the ground and then transported in tankers all over the world. Sometimes, oil tankers have accidents in rough seas and this leads to oil spills, which can cause great environmental damage.  iv.Acid rain and water pollution: It is not just the air we breathe which gets polluted. Dangerous pollutants that are emitted into the air can take a part in the water cycle. This is the cause of acid rain which forms when Sulphur and other chemicals are introduced into the atmosphere from industrial processes. Chemicals suspended in the air then turn the rain mildly acidic.  V.Land Pollution: Surface mining both in the short and long term. For instance , huge volumes of excess rock or soil are dumped in other locations such as nearby valleys affecting those ecosystems. | The scholars copy notes into their notebooks. | For reference purposes. |
| Evaluation | The teacher evaluates the scholars thus:  i.What is greenhouse emission?  ii.Explain two implications of the misuse of non-renewable energy. | The scholars attempt the questions. | To ascertain scholars understanding of the lesson. |
| Conclusion | The teacher check scholars notes and make corrections. | The scholars take corrections made by the teacher. | For consolidation of the lesson. |
| Assignment | The teacher gives the scholars assignment:  -Explain the implication of the misuse of nuclear power energy. | The scholars copy their assignment to do it at home. | To encourage scholars’ study and learn at home. |



3RD FEBRUARY 2023

DEPUTY HEAD INSTRUCTOR ADMIN

NB: Correct the highlighted portion before upload. Approved!