**LESSON PLAN/NOTE FOR WEEK 2 ENDING 12/05/2023**

**Term**: 3rd

**Week**: 2

**Date**: 09/05/2023

**Class**: ss 1

**Subject**: Economics

**Topic**: mining

**Sub-topic**:types and uses of minerals resources

**Period**: 5th

**Time**: 10:30-11:10

**Duration**: 40 minutes

**Number in class**: 8 students

**Average Age:** 14 years

**Sex**: mixed

**Specific objectives**: By the end of the lesson, the students should be able to:

1. Mention the types of mineral resources in Nigeria
2. Explain the types of mineral resources in Nigeria
3. State the uses of mineral resources in Nigeria

**Rationale**: for the students to be able to state the uses of mineral resources in Nigeria.

**Previous knowledge:** the students have seen the product from the mineral resources such as gas, petrol limestone etc.

**Instructional material:** A chart showing the mineral resources in Nigeria.

**Reference material**: Gbenga Babalola (2017) metropolitan Economics for senior secondary schools.

**LESSON DEVELOPMENT**

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| **Stages/steps** | **Teacher’s Activities** | **Students’ Activities** | **Learning points** |
| **Introduction** | Review the previous lesson | Participate actively in the class discussion | To arouse the stdents interest to learn. |
| **Step 1** | Mentions the types of mineral resources as: (1) solid minerals and liquid minerals | Listen carefully to the teacher | For better understanding of the lesson |
| **Step 11** | Guides the students to explain the types of mineral resources | Respond to the class activity | To encourage critical thinking. |
| **Step 111** | Asks the students to state the uses of mineral resources. | State the types of mineral resources as: (1) antimony: it is used as a hardening alloy for lead. (2) iron ore: used in manufacturing steels of various types. | To enable the students to reason logically. |
| **Board summary** | Summarizes the lesson as:  **Types of mineral resources in Nigeria.**  There are two types of mineral resources in Nigeria. These are: (1)solid mineral: this is the hard part of the mineral resources that are extracted from the earth. Eg limestone, clay, iron ore etc.   1. Liquid mineral: this is the watery or gaseous part of the Nigeria mineral resources. Eg crude oil, gas etc.   **Uses of mineral resources in Nigeria.**   1. Crude oil: the crude oil is used as petrol, kerosene, diesel and gas is use for cooking. 2. Coal: coal is used as a major sources of fuel in the home and in the railway locomotives in the past. 3. Iron ore: this is used for manufacturing steels of various kinds. 4. Lead: lead is used in lead batteries, gasoline additives, tanks and solders, seals or bearing used in electrical and electronic applications. 5. Tin and columbite: tin is used in coating containers in the canning industry while columbite is used in the manufacturing of heat-resistant steel used to inject engines. 6. Limestone: limestone is used in the manufacturing of cement. 7. Gold: this is used in dentistry and medicine; in jewelry and arts; in medallions and coins; in ingots as a store of value; for scientific and electronic instruments; as an electrolyte in the electroplating industry. | Copy and submit the note book for marking. | For future reference. |
| **Evaluation** | Evaluates the lesson as:   1. Mention the two types of mineral resources in Nigeria. 2. Explain two types of mineral resources in Nigeria. 3. State five uses of mineral resources in Nigeria. | Respond to the questions | Ascertaining the attainment of the stated objectives. |
| **Conclusion** | Rounds up the lesson by marking and correcting students work. | Check and do their correction | Consolidation of the lesson. |
| **Assignment** | Gives home work as:   1. Mention 10 mineral resources in Nigeria and state their uses. | Respond by doing the home work at home. | To ensure continuity of learning. |



11/5/2023

Principal Head Instuctor