Lesson plan for week 2 ending, 19th January, 2024

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| Term | 2nd term |
| Week | Week 3 |
| Date | 15th/18th January, 2024 |
| Class | JSS 3 |
| Subject | Basic Science |
| Topic | Resources from non-living things |
| Period | 8th/9th |
| Time | 1:20-2:00pm/2:00-2:30 pm |
| Duration | 40 minutes/40 minutes |
| Number in class | Twelve |
| Average age | 13 years |
| Sex | Mixed |
| Specific Objectives | By the end of the lesson, the students should be able to:  1.List solid minerals found in Nigeria  2.State the locations and use of the minerals mentioned  3.State the importance of mineral resources to the economy of Nigeria. |
| Rationale | To enable students know the various solid minerals in Nigeria, their locations and uses. |
| Previous Knowledge | Students have knowledge of mineral resources. |
| Instructional Resource | Picture from textbook |
| Reference Materials | i.Comprehensive Basic Science for JSS 3 by O.J Ehindero et al  ii.Fundamentals of Basic Science for JSS 3 by Adebesin. O. Michael |

Lesson Development

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| Steps | Teacher’s Activities | Students’ Activities | Learning Point |
| Introduction | Teacher asks students to mention the two resources from living things | Students respond to teacher’s questions | To arouse students' interest |
| Step I | Teacher guides students to list some solid minerals found in Nigeria | Students list some solid minerals in Nigeria | To encourage critical thinking |
| Step II | Teacher states the locations and use of solid minerals | Students listen to teacher’s explanation | To keep students focus on the lesson |
| Step III | Teacher guides students to state the importance of mineral resources to the economy of Nigeria | Students participate in classroom discussion | To encourage active participation of the students |
| Board Summary | Resources from non- living things  The two non- living resources in Nigeria are: Oil and Solid minerals.  Some solid minerals found in Nigeria include: Limestone, Coal, Gold, Tin, Salt, Iron ore, Zinc, Copper etc.  Some solid minerals, location and their uses   |  |  |  | | --- | --- | --- | | Minerals | Location | Uses | | 1.Iron ore | Itakpe in Kogi state | For making iron sheets, rod and poles used for building and construction | | 2.Limestone | i.Ewekoro in Ogun state.  ii.Nkalagu in Enugu state.  iii.Okpella in Edo state  iv.Ado in Benue state. | For making cement | | 3.Tin | Plateau | For making roofing material and in coating other netals | | 4.Gold | Kebbi, Osun, Oyo, Kaduna, Sokoto, Zamfara, Niger, Abuja, Abia | For making jewelleries and valuable materials. | | 5.Zinc | Ebonyi state, Plateau, Benue, Cross rivet, Enugu. | For making roofing sheets, battery. In alloy making with other metals like copper. | | 6.Copper | Kano | In making wires and cabled. It is the principal alloying metal in coins and jewellery. | | 7.Lead | Plateau, Benue, Cross river, Enugu. | In car batteries, also in making pipes. | | 8.Coal | Udi hills in Enugu state. | As fuel for lightening, cooking, power steam engine e.t.c | | 9.Kaolin | Kogi, Ogun, Ondo, Plateau, Sokoto, Adamawa. | In making plates, mugs, water closet (WC) e.t.c | | 10.Salt | Awe in Plateau state, Uburu in Ebonyi state. | For food, in chemical processing. | | Students copy the note on the board | To serve as a reference point to students. |
|  | Importance of Mineral Resources to the Economy of Nigeria  1.Mineral resources serve as source of income and foreign exchange for the country.  2.They provide employment through mining and their processing.  3.Resources like Gold and Diamond are forms of wealth for individual.  4.They help in the development of towns and cities.  5.They make life comfortable through the use of their end products. |  |  |
| Evaluation | Teacher asks students the following questions:  1.List five solid minerals found in Nigeria.  2.State the location and use of the minerals mentioned.  3.State three importance of mineral resources to the economy of Nigeria. | Students respond to teacher’s questions. | To ascertain students’ understanding of the lesson. |
| Conclusion | Teacher assesses students and make corrections where necessary | Students take corrections. | To ensure a better understanding. |
| Assignment | Outline five solid minerals in Nigeria and state their uses | Students write down the assignment | To engage students at home. |