**EMERALD ROYAL INTERNATIONAL SCHOOL, MPAPE ABUJA**

**LESSON PLAN AND NOTE FOR WEEK 3 ENDING 29TH SEPTEMBER, 2023**

**TERM: FIRST**

**WEEK : 3**

**DATE: 25 TH - 29TH SEPTEMBER, 2023**

**SUBJECT : CHEMISTRY**

**TOPIC : CHEMICAL INDUSTRIES**

**SUB- TOPIC : 1. Meaning of chemical industries.**

1. **Types of chemical industries.**

**PERIOD: 1**

**TIME : 8: 10 - 8 :50**

**DURATION: 40 minutes**

**CLASS: SS1**

**NUMBER IN CLASS: 7**

**AVERAGE AGE: 14 years**

**SEX: mixed**

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

1. Define chemical industries.
2. State the types of chemical industries.
3. Explain the types of chemical the industries.

**RATIONALE:** The students should understand types of chemical industries.

**PREVIOUS KNOWLEGDE:** The student can state the adverse effect of chemicals.

**INSTRUCTIONAL MATERIALS:** A chart showing different types of chemical industries.

**REFERENCE MATERIALS:** New school Chemistry for Senior Secondary Schools by Osei Yaw Ababio .

**LESSON DEVELOPMENT**

|  |  |  |  |
| --- | --- | --- | --- |
| **STAGES/STEPS** | **TEACHER’S ACTIVITIES** | **STUDENTS’ ACTIVITIES** | **LEARNING POINTS** |
| **INTRODUCTION** | The teacher introduces the lesson by reviewing the previous lesson. | The students were active. | To arouse the students interest. |
| **RESENTATION**  **STEP 1** | The teacher explains defines chemical industries. | The students pay attention. | To keep them focus for better understanding. |
| **STEP 2** | The teacher ask the students to state the types of chemical industries. | The students explain the types of chemical industries. | To encourage critical thinking. |
| **STEP 3** | The teacher explains the types of chemical industies. | The students pay attention. | To keep them focus for better understanding. |
| **BOARD SUMMARY** | CHEMICAL INDUSTRIES  Chemical industry is defined as an industry that uses chemistry to make chemicals from other chemical substances.  TYPES OF CHEMICAL INDUSTRIES  Chemical industries are grouped into two namely;   1. Heavy chemicals - they are chemicals produced in large quantities. Examples are; 2. Hydrogen tetraoxosulphate (vi) acid H2SO4 which is used in making fertilizers and cleaning steel (steel). 3. Sodium hydroxide NaOH which is used in making soap. 4. Ammonia NH3 which is used in making fertilizers and explosive. 5. Fine chemicals - it is refers to as chemical produced in relatively small amount to a very high degree of purity. Example is drugs. | The students ask question for clarification. | To create room for slow learners. |
| **EVALUATION** | The teacher evaluates the students with the following questions;   1. Define chemical industry. 2. State the types of chemical industries. 3. Explain and give an examples of chemical industries. | The students attempt the questions. | To ascertain their level of understanding. |
| **CONCLUSION** | The teacher concludes by copying note on the board. | The students copy the note into their note books. | For future use. |
| **HOME WORK** | 1. State the uses of the following chemical ; 2. NaOH 3. H2SO4 4. NH3 5. HCL | The students did their assignment and submit for marking and correction. | To encourage the students to study at home. |



29TH september, 2023

Deputy Head Instructor Admin

APPROVED