**EMERALD ROYAL INTERNATIONAL SCHOOL, MPAPE ABUJA**

**LESSON PLAN AND NOTE FOR WEEK 1 ENDING 15TH SEPTEMBER, 2023**

**TERM: FIRST**

**WEEK : 1**

**DATE: 11TH - 15TH SEPTEMBER, 2023**

**SUBJECT : CHEMISTRY**

**TOPIC : INTRODUCTION TO CHEMISTRY**

**SUB- TOPIC : 1. meaning of chemistry**

1. **Chemistry in our life**
2. **Career prospects in chemistry**

**PERIOD: 1**

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

**DURATION: 40 minutes**

**CLASS: SS2**

**NUMBER IN CLASS:**  3

**AVERAGE AGE: 14 years**

**SEX: mixed**

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

1. Define chemistry.
2. Explain chemistry in our everyday life.
3. State the career prospects in chemistry.

**RATIONALE:** The students should understand meaning and career prospect in chemistry.

**PREVIOUS KNOWLEGDE:** The students can state some career prospect in chemistry.

**INSTRUCTIONAL MATERIALS:** A chart showing the different application of chemistry.

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

**LESSON DEVELOPMENT**

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| --- | --- | --- | --- |
| **STAGES/STEPS** | **TEACHER’S ACTIVITIES** | **STUDENTS’ ACTIVITIES** | **LEARNING POINTS** |
| **INTRODUCTION** | The teacher introduces the lesson by writing scheme of work. | The students were active. | To arouse the students interest. |
| **PRESENTATION**  **STEP 1** | The teacher defines chemistry. | The students pay attention. | To keep them focus for better understanding. |
| **STEP 2** | The teacher ask the students state some chemistry in our every day life. | The students state some chemistry in our every day life. | To encourage critical thinking. |
| **STEP 3** | The teacher explains the career prospect in chemistry. | The students pay attention. | To keep them focus for better understanding. |
| **BOARD SUMMARY** | **MEANING OF CHEMISTRY**  **Chemistry is defined as** the study of the composition, properties and uses of matter. It deals with the principles governing the changes that matter undergoes. Chemistry is one of the three main branches of pure science, the other two being biology and physics.  **chemistry**, the [science](https://www.britannica.com/science/science) that deals with the properties, [composition](https://www.merriam-webster.com/dictionary/composition), and structure of substances (defined as elements and compounds), the transformations they undergo, and the [energy](https://www.britannica.com/science/energy) that is released or absorbed during these processes. Every substance, whether naturally occurring or artificially produced, consists of one or more of the hundred-odd species of [atoms](https://www.britannica.com/science/atom) that have been identified as elements. Although these atoms, in turn, are composed of more elementary particles, they are the basic building blocks of chemical substances; there is no quantity of [oxygen](https://www.britannica.com/science/oxygen), [mercury](https://www.britannica.com/science/mercury-chemical-element), or [gold](https://www.britannica.com/science/gold-chemical-element), for example, smaller than an [atom](https://www.britannica.com/science/atom) of that substance. Chemistry, therefore, is concerned not with the [subatomic domain](https://www.britannica.com/science/subatomic-particle) but with the properties of atoms and the laws governing their combinations and how the knowledge of these properties can be used to achieve specific purposes.  **CHEMISTRY IN OUR LIFE**  We see chemical changes around us all the time like; lighting a match, cooking, burning firewood, making palm wine, rusting of nails, rotting of leaves etc.  **CAREER PROSPECTS IN CHEMISTRY**  Many job opportunities are available for students with a knowledge of chemistry, such opportunities are;   1. Teaching service - chemistry teachers and lecturers in secondary schools, polytechnics, colleges of Education and Universities. 2. Health services - Pharmacists, Biochemists, chemists, nutritionist, dietitians, doctors, nurses, medical assistance etc. 3. Food processing - food technologist and research chemist. 4. Petroleum and petrochemical industries - application chemists, research chemists, chemical engineers and laboratory assistance. 5. Manufacturing industry - research chemist and chemical engineers in the wide variety of manufacturing industries such as iron and steel work and cement factories. | The students ask question for clarification. | To create room for slow learners. |
| **EVALUATION** | The teacher evaluates the students with the following questions;   1. Define chemistry. 2. State at least 3 chemical change in our every day life. 3. List 5 career prospect in chemistry. | 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** | Explain the 3 main branches of pure science. | The students did their assignment and submit for marking and correction. | To encourage the students to study at home. |



15TH SEPTEMBER, 2023

APPROVED!

Deputy Head Instructor Admin