**EMERALD ROYAL INTERNATIONAL SCHOOL, MPAPE ABUJA**

**LESSON PLAN AND NOTE FOR WEEK 1 ENDING 5TH MAY, 2023**

**TERM: THIRD**

**WEEK: WEEK 1**

**DATE** : **2ND - 5TH MAY, 2023**

**SUBJECT:** **Biology**

**CLASS : SS 2**

**TOPIC :**  **HOMEOSTASIS**

**SUB - TOPIC: 1. definition of homeostasis.**

1. **Organs involved in homeostasis.**
2. **Homeostasis in flowering plants and unicellular organisms.**

**PERIOD : 7th**

**TIME :** 12: 30 - **1:00**

**DURATION : 40 minutes**

**AVERAGE AGE : 15 years**

**SEX: mixed**

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

1. Define homeostasis.
2. State the organs involved in homeostasis.
3. Explain homeostasis in flowering plants.

**RATIONALE:** the students should understand homeostasis and organs involved in homeostasis.

**PREVIOUS KNOWLEDGE:** The students have been taught organs of excretion.

**INSTRUCTIONAL MATERIALS:** chart showing organs involved in homeostasis.

**Reference Material:** Essential Biology foe Senior Secondary School by M.C. Michael.

**LESSON DEVELOPMENT**

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| **STAGES** | **TEACHER’S ACTIVITIES** | **STUDENTS’**  **ACTIVITIES** | **LEARNING POINT** |
| **INTRODUCTION** | The teacher introduces the lesson by writing the scheme of work for the term on the board. | The students copy the scheme of work into their note books. | To arouse the students interest. |
| **PRESENTATION**  **STEP 1** | The teacher defines homeostasis. | The students pay attention. | To keep them focus. |
| **STEP 2** | The teacher asks the students to state the organs involved in homeostasis. | The students state the organs involved in homeostasis. | To encourage critical thinking. |
| **STEP 3** | The teacher explains homeostasis in flowering plants. | The students were active. | To keep them focus. |
| **BOARD SUMMARY** | **HOMEOSTASIS( REGULATION OF INTERNAL ENVIRONMENT)**  Homeostasis is defined as the maintenance of a fairly constant internalenvironment in an organism.  Body fluid such as blood, lymph and tissue fluid makes up the internal environment of the organism. The internal environment must be kept fairly constant for the healthy growth and efficient functioning of the body cells.  **ORGANS INVOLVED IN HOMEOSTASIS**   1. Kidney 2. Liver 3. Skin 4. Ductless glands(hormones) 5. Brain - the brain has the overall control of the homeostasis processes in the body.   **HOMEOSTASIS IN FLOWERING PLANTS**  In flowering plants hormones such as auxin gibberellin and cytokines help in maintaining constant internal environment. | The students ask questions for further clarification. | To create room for slow learners. |
| **Evaluation** | The teacher evaluates the students with the following questions:   1. define homeostasis. 2. State the organs involved in homeostasis. 3. Explain homeostasis in flowering plants. | The students attempt the questions. | To ascertain their level of understanding. |
| **Conclusion** | The teacher concludes by coping the note on the board. She checks and marks the note. | The students copy the note on the board. | For future use. |
| **Assignment** | Explain homeostasis in unicellular. | The students did and submit their assignment for marking and correction. | To encourage the students to study at home. |



11/5/2023

Principal Head Instuctor