**EMERALD ROYAL INT’L SCHOOL**

**LESSON PLAN/NOTE FOR WEEK 1 ENDING: 13TH JANUARY 2023**

|  |  |
| --- | --- |
| **Term** | 2nd |
| **Week** | 1 |
| **Class** | SS1 |
| **Date** | 09/01/2023 |
| **Subject** | Data Processing |
| **Topic** | Operating System |
| **Sub-Topic** | Functions of Operating System |
| **Period** | 7th |
| **Time** | 12:30 – 1: 10 |
| **Duration** | 40minutes |
| **Number in class** | 7 |
| **Average age** | 15years |
| **Sex** | Mixed |
| **Specific Objectives** | By the end of the lesson, students should be able to:   1. List the functions of Operating System 2. Explain the functions of Operating System |
| **Rationale** | To enable students understand the functions of Operating System |
| **Previous knowledge** | Students have been taught the examples of Operating System in their previous class |
| **Instructional material** | A chart showing functions of operating system |
| **Reference** | Data Processing for Senior Secondary Education (SS1 – 3) by Hiit Plc |

|  |  |  |  |
| --- | --- | --- | --- |
| **STEPS** | **TEACHER’S ACTIVITIES** | **STUDENTS ACTIVITIES** | **LEARNING POINTS** |
| Introduction | The teacher introduces the lesson by asking the students to define Operating System. | Students answer the teacher’s question orally. | To arouse the students interest for the lesson. |
| Step I | *Lists the functions of Operating System thus:*   1. Storage management 2. Process management 3. Resource management 4. Security management 5. Load and Run application software | Students pay attention and listen to the teacher. | To ensure keep them focused. |
| Step II | *The teacher explains the functions of Operating System:*  *STORAGE MANAGEMENT*  Operating System controls how data or files will be stored into the computers and how the files will be accessed by the users. It also allows creation of files, reaching of data, writing of data to files and copying of contents of files from one place to another.  *PROCESS MANAGEMENT*  All processes given by the user or the system’s own process are handled by the Operating System. It also manages the sharing of internal memory among multiple applications. E.g. Hard dis, CD, DVD etc.  *RESOURCE MANAGEMENT*  Operating System manages both hardware and software resources. It identifies what time the CPU will perform an operation and which memory is used by a program.  *SECURITY MANAGEMENT*  These includes; virus management, alert messages, passwords, etc. | Students pay attention, participate in class by asking questions where necessary and copy note into their exercise books. | For reference purpose |
| Summary | *Teacher summarizes the lesson thus:*  A computer’s operating system is its most important program. It is considered the backbone of the computer and without it, a computer and other software programs would be useless. | Students pay attention and copy the note into their exercise books. | For reference purpose |
| Evaluation | The teacher asks the students to explain the functions of Operating System. | Students answer the question orally | To ascertain the students level of understanding of the lesson |
| Conclusion | The teacher corrects the students where necessary. | Students take note of the correction(s) made. | To ensure proper understanding of the lesson |
| Assignment | The teacher gives the students the following assignment:  Explain the function of load and run operating system. | Students copy the assignment in their exercise books | To encourage studying at home. |



**21/2/2023**

**Head Instructor**