**EMERALD ROYAL INT’L SCHOOL**

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

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| **Term** | 2nd |
| **Week** | 1 |
| **Date** | 11/01/2023 |
| **Subject** | Data Processing |
| **Topic** | Operating System |
| **Sub-Topic** | Types 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 types of Operating System 2. Explain the types of Operating System |
| **Rationale** | To enable students understand the types of Operating System |
| **Previous knowledge** | Students have been taught Operating System in their previous class |
| **Instructional material** | A chart showing a computer’s operating system |
| **Reference** | Data Processing for Senior Secondary Education (SS1 – 3) by Hiit Plc |

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| **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 | *List the* t*ypes of Operating System*  There are six types of Operating System. They are:   1. Single user Operating System 2. Multi – Tasking Operating System 3. Multi – User Operating System 4. Batch Processing Operating System 5. Distribute Operating System 6. Real – Time Operating System | Students Copy the note in their exercise books | For reference purpose. |
| Step II | *Explains the types of Operating System thus:*   1. Single user Operating System.   This is an Operating System designed for a user to use a computer at a time. Single user Operating System allows a single user to run different applications at the same time. Windows of Microsoft and Macintosh of Apple are the most commonly used Single user Operating System.   1. Multi-Tasking Operating System   This is an Operating System that allows several applications to be simultaneously loaded and used in the memory. It is capable of switching between applications effectively to apparently simultaneously execute each application.  The Windows Operating System is an example of multi-tasking Operating System.   1. Multi – user Operating System   This type of Operating System allows multiple user to simultaneously use the system while the processor splits its resources and handles one user at a time.  Some network system utilizes the multi – user Operating System.   1. Distributed Operating System   In this Operating System software data, program and files may be stored in different geographical locations and may be accessed from different terminals.   1. Batch Operating System   In this Operating System, there is little or no interaction between the user and the processor. Data and programs that need to be processed are bundled, collected and executed together.   1. Real – Time Operating System   This Operating System processes input simultaneously which is fast enough to effect the next input or process. | Students asks questions for clarification. | To encourage critical thinking. |
| Summary | *Teacher summarizes the lesson thus:*  Real – Time Operating System are usually used to control complex systems that require a lot of processing like machinery and industrial system. | Students pay attention and copy the note into their exercise books. | For reference purpose |
| Evaluation | The teacher asks the students to explain the types 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 | In your own words, explain the Operating system | Students copy the assignment in their exercise books | To encourage studying at a home. |



22/2/2023

Head Instructor

NOTE: No class, omission of some information and check all the highlighted items for necessary corrections before uploading.