**REX CHRISTUS COLLEGE**

**LESSON PLAN FOR WEEK 2 ENDING 20th SEPTEMBER, 2024**

**SUBJECT: COMPUTER STUDIES**

**TEACHER: CHUKWUEMEKA UCHECHI. P FIRST TERM**

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| **Theme** | **Computer Software** |
| **Lesson Topic** | **Application and System Software** |
| **Date** | **17th September to 20th September 2024** |
| **Time** | **8:00 – 9:20am, 8:40 – 10 :00am, 12:40 – 2:00pm** |
| **Duration** | **80 minutes** |
| **Class** | **S.S 1 A, B, and C** |
| **Average Age** | **13 years** |
| **Sex** | **Mixed** |
| **Period** | **1st, 2nd, 3rd, 4th and 5th** |
| **Behavioural Objectives** | **At the end of the lesson, students should be able to;**   1. **List the components of computer software.** 2. **Explain System software** 3. **Explain Application Software** 4. **State the characteristics of a computer** |
| **Previous Knowledge** | **The students have learnt the meaning of hardware.** |
| **Instructional Resources** | **Softcopies of software in CD’s and DVD’s** |
| **Reference** | 1. **New Computer Studies for Senior secondary Schools 1** 2. [**https://www.techopedia.com/definition/2308/system-unit**](https://www.techopedia.com/definition/2308/system-unit) |

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| **STAGES/STEPS** | **TEACHER’S**  **ACTIVITIES** | **STUDENT’S**  **ACTIVITIES** | **MODE** |
| **INTRODUCTION** | The teacher introduces the topic by asking the students to mention the types of software they have used before. | The students respond to the question asked by the teacher | **Individual** |
| **PRESENTATION** | **The teacher presents the topic with the following steps:** |  |  |
| **STEP 1 (EXPLORATION)** | The teacher displays the CDs containing operating system and other application programs. | Students observe and identify the software. | **Individual** |
| **STEP 2 (DISCUSSION)** | The teacher discusses the lesson plans as follows:  **THE COMPUTER SOFTWARE**  Computer software is a collection of computer programs that provides the instructions needed by the computers to perform specific functions.  The software can be categorized into two:   1. System software 2. Application software.   **SYSTEM SOFTWARE**  System software is a computer software designed to operate the computer hardware and to provide and maintain a platform for running application software.  Some of the system software include:   1. Operating system 2. Device drivers 3. Utility software 4. Language translator 5. Server software   **APPLICATION SOFTWARE**  An application software is a computer software designed to help the user to perform a singular or multiple related specific tasks.  Examples of Application software include:   1. Computer Aided Design 2. Presentation package 3. Spreadsheets 4. Image editing 5. Educational software 6. Database 7. Word processors 8. Media players 9. Mathematical software   **CHARACTERISTICS OF A COMPUTER**   * Speed * Accuracy * Reliability * Diligent * Versatility * Mass storage capability * Retrieving data and programs * Arithmetic and logical operations * Automation * Resource sharing * Security | The students give their views on the meaning of computer software and listen to the teachers’ explanation. | **Entire class** |
| **STEP 3 (APPLICATION)** | The teacher allows the students to see how the software can be copied, transferred and installed into the computer system. | The students can identify device drivers, operating system and other software CDs and DVDs. | Individual |
| **STEP 4 (EVALUATION)** | The teacher accesses the students understanding with the following questions:   1. What are the components of computer software 2. What is a system software? 3. What is application software? 4. List four Characteristics of a computer. | The students respond to the teacher’s questions actively. | Individual |
| **CONCLUSION** | The teacher recaps the lesson and answers questions from the students. | The students listen to the summary of the topic and ask their respective questions where necessary. | **Entire class** |
| **ASSIGNMENT** | 1. What are the classes of application software. 2. List three (3) examples of system software. |  | **Individual** |