

**SCHEME OF WORK (KNEC CLASSES)**

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| **DEPARTMENT: COMPUTING AND INFOMATICS** | | | | **NAME OF TRAINER: DUNCAN NDEGWA** | | | **NUMBER OF TRAINEES:** | | |
| **UNIT CODE: 1920/201** | | | | **TERM: II** | **DATE OF PREPARATION: 28/8/2024** | | **CLASS: CICT/J23** | | |
| **COURSE: CERTIFICATE IN ICT** | | | | | | | **LEVEL:** | | |
| **UNIT OF COMPETENCE: COMPUTER SUPPORT & MAINTENANCE** | | | | | | | **DATE OF REVISION:3/9/2024** | | |
| **SCHEDULE** | | | | | | | | | |
| **WEEK** | **NUMBER OF HOURS** | **TOPIC** | **SUB -TOPIC** | **SPECIFIC OBJECTIVES** | | **ACTVITIES** | | **REFERENCE/ RESOURCES** | **REMARKS** |
| 1 | **REPORTING AND REISTRATION OF STUDENTS** | | | | | | | | |
| 2 | 4 | Power Supply | * Functions * Form Factors * Power supply problems * Protection devices | By the end of the lesson the leaner should be able to:   * Outline the importance of power supply * Explain power supply form factors and connectors * Explain power supply problems * Explain power supply problems * Explain the power supply protection devices | | * Taking notes * Practical session * Class discussion * Questions and answers | | * E-books * Graves, M. (2001). *PC Hardware Maintenance and Repair*. Prompt Publications. |  |
| 3 | 4 | Computer Assembly and Disassembly | * Procedures * Computer upgrading * Inventory | By the end of the lesson the leaner should be able to:   * Describe hardware inventory * Outline assembly and disassembly features * Explain computer upgrading | | * Taking notes * Demonstration * Class discussion * Questions and answers | | * E-books * Graves, M. (2001). *PC Hardware Maintenance and Repair*. Prompt Publications. |  |
| 4 | 4 | Computer Assembly and Disassembly | * Procedures * Computer upgrading * Inventory | By the end of the lesson the leaner should be able to:   * Describe hardware inventory * Outline assembly and disassembly features * Explain computer upgrading | | * Taking notes * Demonstration * Class discussion * Questions and answers | | * E-books * Graves, M. (2001). *PC Hardware Maintenance and Repair*. Prompt Publications. |  |
| 5 | 4 | Software Installation | * file systems * software installation | By the end of the lesson the leaner should be able to:   * Describe file systems * Install software | | * Taking notes * Demonstration * Class discussion   Questions and answers | | * E-books * Graves, M. (2001). *PC Hardware Maintenance and Repair*. Prompt Publications. |  |
| 6 | 4 | Troubleshooting | * Troubleshooting steps * Types of viruses * Hardware faults | By the end of the lesson the leaner should be able to:   * Explain the principles of fault finding * Explain hardware faults * Scan for viruses | | * Taking notes * Demonstration * Class discussion   Questions and answers | | * E-books * Graves, M. (2001). *PC Hardware Maintenance and Repair*. Prompt Publications. |  |
| 7 | **CAT ONE** | | | | | | | | |
| 8 | 4 | Computer User Support | * Types of user support | By the end of the lesson the leaner should be able to:   * Describe types of user support * Explain requirements of user support | | * Interactive lectures * Practical session * Class discussion * Questions and answers | | * E-books * Graves, M. (2001). *PC Hardware Maintenance and Repair*. Prompt Publications. |  |
| 9 | 4 | Electronic Waste Management | * Definitions * Classes of E-waste | By the end of the lesson the leaner should be able to:   * Define electronic waste * Classify electronic wastes * Effects of electronic waste * Procedure in waste management | | * Interactive lectures * Class discussion   Questions and answers | | * E-books * Graves, M. (2001). *PC Hardware Maintenance and Repair*. Prompt Publications. |  |
| 10 | 4 | Emerging Trends | * Trends in computer application * Challenges of emerging trends | By the end of the lesson the leaner should be able to:   * Identify trends in computer application * Explain challenges of emerging trends | | * Interactive lectures * Class discussion   Questions and answers | | * E-books * Graves, M. (2001). *PC Hardware Maintenance and Repair*. Prompt Publications. |  |
| 11 | **REVISION (KNEC EXAMS PAST PAPERS)** | | | | | | | | |
| 12 | **REVISION AND EXAMINATIONS** | | | | | | | | |

CHECKED BY VERIFIED BY:

NAME: NAME:

DESIGNATION DESIGNATION