

**LEARNING PLAN**

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| **DEPARTMENT: ICT** | | | | **NAME OF TRAINER: DUNCAN NDEGWA** | | | **NUMBER OF TRAINEES:** | | |
| **UNIT CODE:** 0714 351 07A | | | | **TERM: I** | **DATE OF PREPARATION: 20/08/2025** | | **CLASS: ICT S25** | | |
| **COURSE: ICT** | | | | | | | **LEVEL: MODULE I** | | |
| UNIT OF COMPETENCE:  **COMPUTER REPAIR AND MAINTENANCE** | | | | | | | **DATE OF REVISION: 3/9/2025** | | |
| **SCHEDULE** | | | | | | | | | |
| **WEEK** | **HOURS** | **LEARNING OUTCOME / ELEMENT** | **SUB-TOPIC / CONTENT** | **SPECIFIC OBJECTIVES / PERFORMANCE CRITERIA** | | **ACTIVITIES** | | **RESOURCES / REFERENCES** | **SUGGESTED ASSESSMENT** |
|  | **REPORTING AND REGISTRATION** | | | | | | | | |
|  | 8 | Perform Computer Troubleshooting | * Introduction to Computer Repair & Maintenance; Documenting User Data * Troubleshooting Approaches; Hardware Faults; Methods of Information Gathering | Explain troubleshooting process and document faults  Identify and classify faults | | * Lecture, Case study, Demo * Group discussion, Practical demo | | Faulty computers | Observation checklist |
|  | 8 | Perform Computer Troubleshooting | * User Data Analysis; Remedies to Hardware Faults | Apply hypothesis testing in troubleshooting | | Practical session | | Lab tools | Practical assessment |
|  | 8 | Perform Computer Troubleshooting | * Documentation of Solutions | Produce troubleshooting documentation | | Individual assignment | | Reports, Worksheets | Portfolio of evidence |
|  | 8 | Repair Faulty Components | * Selection of Components for Replacement | Identify parts for replacement and sourcing | | Group activity, Demonstration | | Manuals, Catalogues | Written + Practical |
|  | 8 | Repair Faulty Components | * Tools for Repair and Replacement | Use computer repair tools (screwdrivers, pliers, etc.) | | Hands-on practice | | Toolkits | Observation checklist |
|  | 8 | Repair Faulty Components | * Safety Procedures (PPE, Fire Safety, First Aid, Emergency contacts) | Demonstrate safety in repair lab | | Role-play, Demonstration | | Safety posters, First Aid Kit | Observation checklist |
|  | 8 | Repair Faulty Components | * Repair and Replacing Components (Disassembly, Reassembly, Manuals) | Perform safe disassembly and reassembly | | Practical session | | Faulty computers | Practical assessment |
|  | 8 | Repair Faulty Components | * Disposal of Faulty/Obsolete Components (E-waste, Hazards, Pollution) | Apply proper disposal measures | | * Field trip / Case study | | * NEMA guidelines, Articles | Project work |
|  | 8 | Test Computer Component Functionality | * POST; Component Testing; Techniques & Evaluation | Perform testing and evaluate results | | Lab test exercises | | Diagnostic software | Practical + Checklist |
|  | 8 | Test & Report Functionality | * Report Generation | Generate test results report | | Individual assignment | | Report templates | Portfolio of evidence |
|  | **REVISION AND EXAMS** | | | | | | | | |

CHECKED BY VERIFIED BY:

NAME: NAME:

DESIGNATION DESIGNATION