

## KIRWAN STATE HIGH SCHOOL: YEAR 12 VIT UNIT OVERVIEW

### Term 2 Unit 6 Hardware and Software

This unit includes learning episodes on managing the maintenance and location of hardware. Students also learnt about modifying and connecting system hardware components according to client and user requirements. Students will learn how to carry out maintenance and fault repairs according to organisational procedures, in order to keep equipment functioning correctly and learn about and document software licensing.

[FORMATIVE ASSESSMENT](#) is done through activities, questions and answers on learning episodes in OneNote

#### Unit Objectives:

1. Establish safe work practices
2. Establish location requirements for hardware and peripherals
3. Establish maintenance practices
4. Determine appropriate hardware quality standards
5. Identify, categorise and distinguish between the different types of internal hardware components
6. Determine components required
7. Obtain components
8. Install components
9. Evaluate modified system
10. Determine and undertake required equipment maintenance
11. Diagnose and repair faults
12. Update documentation and make recommendations for future maintenance

#### Assessment Overview:

##### D6-1 Learner Diary

This unit includes 20 separate learning episodes. Students will learn from the episodes then complete various activities related to the episode. As students complete the learning episodes, they will then create a learner diary entry based on that episode. The learner diary entries involve students reflecting on what they have learnt (the knowledge) and what skills they have developed. They then write a paragraph outlining the knowledge and skills they now possess.

##### Conditions:

20 entries. Each a paragraph in length.

Open book, in-class task, limited support, reflects school assessment policy, aligned with school variation policy

##### A6-2 Assignment

This assignment involves theory questions as well as multiple scenarios in simulated work places. Students will demonstrate an understanding of the theory in the unit, as well as design and implement solutions to various scenarios.

##### Conditions:

In-class, limited support, open book, 3 weeks duration, reflects school assessment policy, aligned with school variation policy

#### Guaranteed Vocabulary

Hardware, Hardware categories, Devices, Internal and External, Guidelines, Component, Vendor, Installation, Requirements, Performance, Benchmarks, WHS, Safe work practices, Manufacturer, Environmental conditions, Protection, Peripherals, Maintenance, Warranty, Maintenance schedules, Upgrade, Diagnostic, Quality standards, Procedure, Fault, Degradation, Prioritised tasks, Disruption, Test faulty equipment, Reporting outcomes