

## KIRWAN STATE HIGH SCHOOL: YEAR 11 VIT UNIT OVERVIEW

### Term 2 Unit 3 Programming

#### Unit Description:

This unit describes the skills and knowledge required to create simple applications or games. It applies to individuals with responsibility for creating applications or games and includes creating code, using programming standards, testing, and debugging. It also involves the skills and knowledge required to create user documentation that is clear to the target audience and easy to navigate.

#### Unit Objectives:

1. Determine documentation standards and requirements
2. Produce user documentation
3. Review and obtain sign-off
4. Apply language syntax and layout
5. Apply control structures
6. Code using standard algorithms
7. Test the code
8. Create an application or game

#### Assessment Overview:

##### D3-1 Learner Diary

This unit includes 22 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:

22 entries. Each a paragraph in length.

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

##### A3-2 Assignment

The assignment operates within a simulated work scenario where students are working for a client who requires a program developed to perform a specific task. The tasks include:

1. Create the application
2. Create a "Quick Start Guide" document to show users how to use the program
3. Develop a sign off form that the client can fill in when evaluating the finished articles.
4. Review and evaluate the user interface in terms of principles of aesthetics and user friendliness

##### Conditions:

In-class, limited support, open book, 3 weeks duration

#### Guaranteed Vocabulary

Sequence, selection, iteration, algorithm, user documentation, interface, client requirements, debugging, variables