



Highfields State
Secondary College

Semester 1 Course Overview

Faculty: e-Learning
Subject: Digital Technologies
Year level: 8

Course Outline

The Australian Curriculum: Technology – Digital Technologies is organised into the following content descriptors:

- Knowledge and Understanding of Digital Technologies
- Process and Production Skills

Semester 1 2022

Unit 1: Basic JavaScript

Throughout this unit, students are required to study algorithms and programming syntax. The topics at the beginning of the unit place emphasis on exposing students to different algorithms, represented both diagrammatically and in pseudocode. Then, JavaScript syntax is introduced gradually, drawing shapes and accessing functions using the p5.js library. Finally, the unit concludes with console programming and a summative examination.

Assessment – Exam

This assessment will be a written exam where students will need to recall, write and solve paper based problems. No ICTs will be used in the exam, ensuring students can accurately recall correct syntax, procedures and structure for JavaScript.