



Highfields State
Secondary College

Semester 1 Course Overview

Faculty: e-Learning
Subject: Digital Technologies
Year level: 10

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: Managing Data	Unit 2: Website Development and Design
<p>Managing data is an integral part of building advanced digital systems. Throughout this unit, students are introduced to the fundamental ideas that drive relational database design, which provides the context necessary for SQL problems to be solved. A culmination of these skills allow students to recognise digital problems and model appropriate database schemas for them. Finally, in order to conclude the unit after a final examination, students make use of their knowledge to design and generate a database that works with a WPF interface.</p> <p>Assessment – Examination Students will complete a closed book examination, writing SQL code by hand to construct functional query statements that return table data results.</p>	<p>In this unit, students will learn to develop websites using HTML5 standards, CSS and jQuery plugins to create a static website. Students will learn about the design principles of website development and create website assets using Adobe Photoshop.</p> <p>Assessment - Project This assessment will be assessing student's ability to design a modern website experience using HTML5 and CSS, by constructing a website for a local business.</p>