

## Year 8 Digital Technologies

### Semester 2 2017

Week	Unit	Learning Focus	Victorian Curriculum - Sub-strand
Term 3 1-4	Python	<ul style="list-style-type: none"> <li>Using Python to create simple programs</li> <li>Using control statements such as if...else, for, while</li> <li>Designing an algorithm to assist in creating the final program</li> </ul>	Design algorithms represented diagrammatically and in English, and trace algorithms to predict output for a given input and to identify errors VCDTCD042 Develop and modify programs with user interfaces involving branching, iteration and functions using a general-purpose programming language VCDTCD043
5-10	Robotics	<ul style="list-style-type: none"> <li>Understanding why the lights are blinking</li> <li>Modifying code to change an outcome</li> <li>Designing an algorithm before modifying a program</li> </ul>	Design algorithms represented diagrammatically and in English, and trace algorithms to predict output for a given input and to identify errors VCDTCD042 Develop and modify programs with user interfaces involving branching, iteration and functions using a general-purpose programming language VCDTCD043
Term 4 1-9	e-Portfolio	<ul style="list-style-type: none"> <li>Creating a digital portfolio of tasks completed in 2017 at ASC using HTML and CSS</li> </ul>	Manage, create and communicate interactive ideas, information and projects collaboratively online, taking safety and social contexts into account ( <a href="#">VCDTDI039</a> ) Design the user experience of a digital system, generating, evaluating and communicating alternative designs ( <a href="#">VCDTCD041</a> )