

Year Level: 8

KLA: Digital Technologies

Subject: Digital Technologies

Week	Unit	Learning Focus	Victorian Curriculum
1-5	Programming	<ul style="list-style-type: none">• Use Python to create and edit simple programs.• Use 'if Statements', 'for loops, 'While statements'• Use programming language to display on-screen information	Develop and modify programs with user interfaces involving branching, iteration and functions using a general-purpose programming language (VCDTCD043)
6-8	Robotics	<ul style="list-style-type: none">• Understanding the brain• Programming the brain• Designing a program• Testing• Evaluating	Evaluate how well student-developed solutions and existing information systems meet needs, are innovative and take account of future risks and sustainability (VCDTCD044)
9-10	Photography	<ul style="list-style-type: none">• Understand the difference between different image types• Understand the difference between vector and bitmap images• Using an image editor to manipulate colours.• Relate the physical characteristics of cameras and lenses to the images obtained	Investigate how digital systems represent text, image and sound data in binary (VCDTDI036)