







Lanyon High School



7 Digital Technologies

Identify curriculum	Achievement Standard	By the end of Year 8, students distinguish between different types of networks and defined purposes. They explain how text, image and audio data can be represented, secured and presented in digital systems. Students plan and manage digital projects to create interactive information. They define and decompose problems in terms of functional requirements and constraints. Students design user experiences and algorithms incorporating branching and iterations, and test, modify and implement digital solutions. They evaluate information systems and their solutions in terms of meeting needs, innovation and sustainability. They analyse and evaluate data from a range of sources to model and create solutions. They use appropriate protocols when communicating and collaborating online.	
Teaching and learning	Term overview	Year 7	
		<p>Understandings</p> <ul style="list-style-type: none"> Investigating and defining real world problems taking into account requirements Evaluate how student solutions and existing systems meet needs, innovation and sustainability Investigate how digital systems affect our world and create user experiences Digital safety and online awareness <p>Skills</p> <ul style="list-style-type: none"> Design algorithms represented diagrammatically and in English, and trace algorithms to predict output for a given input and to identify errors Implement and modify programs with user interfaces involving branching, iteration and functions in a general-purpose programming language Plan and manage projects that create and communicate ideas and information collaboratively online, taking safety and social contexts into account 	
	Cross curriculum priorities General capabilities	 Literacy  Numeracy  ICT capability  Critical and creative thinking  Aboriginal and Torres Strait Islander histories and cultures  Sustainability	
Develop assessment	Assessment	Week	Assessment
		Ongoing	Computational thinking, design and creation
		3	Digital Safety and online awareness
		6	Digital Systems
		9	Final product & testing
Make judgments and use feedback	Moderation	Teachers moderate assessment tasks to ensure consistency of judgement and effective student learning.	