

Salisbury State School: Sequence of achievement for Technologies V2020



This document maps out the Technologies Learning Area Achievement Standards over a two-year banding for teaching and assessment purposes. Teachers will use marking guides which align to the aspects of the Achievement Standard shown for the year (even or odd) against summative tasks in their unit/s of work. Technologies will be reported on as a Learning Area.	blue font text Indicates parts of the achievement standard that align to a strand and sub-strand of both Digital Technologies and Design and Technologies subjects	orange font text Indicates parts of the achievement standard that align to a strand and sub-strand of Design and Technologies
	green font text: Indicates parts of the achievement standard that align to a strand and sub-strand of Digital Technologies	grey font text: Indicates those parts of the achievement standard that align to a different sub-strand of a Technologies subject/s within and across bands

STRUCTURE			PREP – YEAR 2	YEARS 3 & 4	YEARS 5 & 6	ODD OR EVEN YEAR (both)
STRAND	SUB-STRANDS					
Both Technologies subjects	Design and Technologies	Digital Technologies				
Knowledge and understanding	Technologies and society		describe the purpose of familiar products, services and environments and how they meet a range of present needs	describe how social, technical and sustainability factors influence the design of solutions to meet present and future needs	explain how social, ethical, technical and sustainability considerations influence the design of solutions to meet a range of present and future needs	
	Technologies contexts		list the features of technologies that influence design decisions and identify how digital systems are used*	describe features of technologies that influence design decisions and how a range of digital systems can be used*	explain how the features of technologies influence design decisions and how digital systems are connected to form networks*	
		Digital systems	list the features of technologies that influence design decisions and identify how digital systems are used*	describe features of technologies that influence design decisions and how a range of digital systems can be used*	explain how the features of technologies influence design decisions and how digital systems are connected to form networks*	
Processes and production skills		Collecting, managing and analysing data	collect, sort and display familiar data from a range of sources and recognise patterns in data	collect, manipulate and interpret data from a range of sources to support decisions	collect and validate data from a range of sources to assist in making judgements	
		Investigating and defining	identify needs, opportunities or problems and describe them	outline and define needs, opportunities or problems	describe a range of needs, opportunities or problems and define them in terms of functional requirements	
		Generating and designing	record design ideas using techniques including labelled drawings, lists and sequenced instructions	generate and record design ideas for an audience using technical terms and graphical and non-graphical representation techniques including algorithms	generate and record design ideas for specified audiences using appropriate technical terms, and graphical and non-graphical representation techniques including algorithms	
				plan, design, test, modify and create digital solutions that meet intended purposes including user interfaces and a visual program		
		Producing and implementing	with guidance, produce designed solutions for each of the prescribed technologies contexts	plan and safely produce designed solutions for each of the prescribed technologies contexts*	plan and document processes and resources and safely produce designed solutions for each of the prescribed technologies contexts*	
				plan a sequence of steps (algorithms) to create solutions, including visual programs	plan, design, test, modify and create digital solutions that meet intended purposes including user interfaces and a visual program*	
		Evaluating	evaluate their ideas, information and solutions on the basis of personal preferences and provided criteria including care for the environment	use identified criteria for success, including sustainability considerations, to judge the suitability of their ideas, solutions and processes	negotiate criteria for success, including sustainability considerations, and use these to judge the suitability of their ideas, solutions and processes	
		Collaborating and managing	design solutions to simple problems using a sequence of steps and decisions	plan and safely produce designed solutions for each of the prescribed technologies contexts*	plan and document processes and resources and safely produce designed solutions for each of the prescribed technologies contexts*	
			safely create solutions and communicate ideas and information face-to-face and online	use agreed protocols when collaborating, and creating and communicating ideas, information and solutions face-to-face and online	use ethical, social and technical protocols when collaborating, and creating and communicating ideas, information and solutions face-to-face and online	

*Indicates aspect of the achievement standard is repeated within the band to show alignment to multiple sub-strands