v9 Australian Curriculum: Digital Technologies Years F–6 achievement standards ■ and aligned content descriptions ■ on a page

Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Knowledge and understanding strand	*Processes and production skills strand*		*Processes and production skills strand*		*Processes and production skills strand*	
Digital systems	*Investigating and defining*	*Evaluating*	*Investigating and defining*	*Generating and designing* / *Evaluating*	*Investigating and defining*	*Generating and designing* / *Evaluating*
Students show familiarity with digital systems and use them for a purpose. *recognise & explore digital systems (hardware & software) for a purpose AC9TDIFK01*	Students show how simple digital solutions meet a need for known users. *investigate simple problems for known users that can be solved with digital systems AC9TDI2P01* *discuss how existing digital systems satisfy identified needs for known users AC9TDI2P03*		Students create simple digital solutions and use provided design criteria to check if solutions meet user needs. *define problems with given design criteria and by co-creating user stories AC9TDI4P01* *generate, communicate and compare designs AC9TDI4P03* *discuss how existing and student solutions satisfy the design criteria and user stories AC9TDI4P05*		Students develop and modify digital solutions and define problems and evaluate solutions using user stories and design criteria. *define problems with given or co developed design criteria and by creating user stories AC9TDI6P01* *design a user interface for a digital system AC9TDI6P03* *generate, modify, communicate and evaluate designs AC9TDI6P04* *evaluate existing and student solutions against the design criteria and user stories and their broader community impact AC9TDI6P06*	
Knowledge and understanding strand	*Knowledge and understanding strand*		*Knowledge and understanding strand*		*Knowledge and understanding strand*	
Data representation	*Data representation*		*Digital Systems*	*Data representation*	*Data representation*	
Students represent data using objects, pictures and symbols. *represent data as objects, pictures & symbols AC9TDIFK02*	Students represent and process data in different ways. *represent data as pictures, symbols, numbers & words AC9TDI2K02*		Students process and represent data for different purposes. *explore transmitting different types of data between digital systems AC9TDI4K02* *recognise different types of data and explore how the same data can be represented differently depending on the purpose AC9TDI4K03*		Students process data and show how digital systems represent data. *explain how digital systems represent all data using numbers AC9TDI6K03* *explore how data can be represented by off and on states (zeros and ones in binary) AC9TDI6K04*	
Processes and production skills strand	*Processes and production skills strand*		*Processes and production skills strand*		*Processes and production skills strand*	
Privacy and security	*Generating and designing*		*Generating and designing*	*Producing and implementing*	*Generating and designing*	*Producing and implementing*
Students identify examples of data that is owned by them. *identify some data that is personal & owned by them AC9TDIFP01*	Students follow and describe basic algorithms involving a sequence of steps and branching. *follow & describe algorithms involving a sequence of steps, branching (decisions) & iteration (repetition) AC9TDI2P02*		Students follow and describe simple algorithms involving branching and iteration and implement them as visual programs. *follow and describe algorithms involving sequencing, comparison operators (branching) and iteration AC9TDI4P02* *Implement simple algorithms as visual programs involving control structures and input AC9TDI4P04*		Students design algorithms involving complex branching and iteration and implement them as visual programs including variables. *design algorithms involving multiple alternatives (branching) and iteration AC9TDI6P02* *implement algorithms as visual programs involving control structures, variables and input AC9TDI6P05*	
	Knowledge and understanding strand	*Processes and production skills strand*	*Knowledge and understanding strand*	*Processes and production skills strand*	*Knowledge and understanding strand*	*Processes and production skills strand*
	Digital systems	*Privacy and security*	*Digital systems*	*Privacy and security*	*Digital systems*	*Privacy and security*
	With assistance, students access and use digital systems for a purpose. *identify & explore digital systems & their components for a purpose AC9TDI2K01* *access their school account with a recorded username and password AC9TDI2P06*		Students securely access and use digital systems and their peripherals for a range of purposes, including transmitting data. *explore and describe a range of digital systems and their peripherals for a variety of purposes AC9TDI4K01* *explore transmitting different types of data between digital systems AC9TDI4K02* *access their school account using a memorised password and explain why it should be easy to remember, but hard for others to guess AC9TDI4P08*		Students securely access and use multiple digital systems and describe their components and how they interact to process and transmit data. *investigate the main internal components of common digital systems and their function AC9TDI6K01* *examine how digital systems form networks to transmit data AC9TDI6K02* *access multiple personal accounts using unique passphrases and explain the risks of password re-use AC9TDI6P09*	
	Processes and production skills strand		*Processes and production skills strand*		*Processes and production skills strand*	
	Collaborating and managing		*Collaborating and managing*		*Collaborating and managing*	
	Students use the basic features of common digital tools to create, locate and share content, and to collaborate, following agreed behaviours. *use the basic features of common digital tools to create, locate and communicate content AC9TDI2P04* *use the basic features of common digital tools to share content & collaborate demonstrating agreed behaviours, guided by trusted adults AC9TDI2P05*		Students use the core features of common digital tools to plan, create, locate and share content, and to collaborate, following agreed behaviours. *use the core features of common digital tools to create, locate and communicate content, following agreed conventions AC9TDI4P06* *use the core features of common digital tools to share content, plan tasks, and collaborate, following agreed behaviours, supported by trusted adults AC9TDI4P07*		Students select and use appropriate digital tools effectively to plan, create, locate and share content, and to collaborate, applying agreed conventions and behaviours. *select and use appropriate digital tools effectively to create, locate and communicate content, applying common conventions AC9TDI6P07* *select and use appropriate digital tools effectively to share content online, plan tasks and collaborate on projects, demonstrating agreed behaviours AC9TDI6P08*	
	Processes and production skills strand		*Processes and production skills strand*		*Processes and production skills strand*	
	Privacy and security		*Privacy and security*		*Privacy and security*	
	Students recognise that digital tools may store their personal data online. *discuss that some websites & apps store their personal data online AC9TDI2P07*		Students identify their personal data stored online and recognise the risks. *identify what personal data is stored and shared in their online accounts and discuss any associated risks AC9TDI4P09*		Students identify their digital footprint and recognise its permanence. *explain the creation and permanence of their digital footprint and consider privacy when collecting user data AC9TDI6P10*	