Digital Technologies Curriculum – Foundation to Level 2

Content descriptions

Digital Systems

Identify and explore digital systems (hardware and software components) for a purpose (VCDTDS013)

* Exploring the use of software to create simple presentations
* Identifying and describing hardware components
* Taking a photo with a tablet device
* Inserting an image into a document

Data and Information

Recognise and explore patterns in data and represent data as pictures, symbols and diagrams (VCDTDI014)

* Sorting blocks into patterns
* Exploring data sets
* Recognising patterns in sound data
* Saving a document as a PDF to reduce file size

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Content descriptions

Data and Information

Collect, explore and sort data, and use digital systems to present the data creatively (VCDTDI015)

* Sorting data or objects into categories
* Creating a mind map [A diagram of a mind map is illustrated here. At the centre is ‘Winter food’, with balloons branching off it including Roasts (Lamb), Stews, Soup (Chicken Noodle, Pea and Ham, Pumpkin) and Pies (Beef and Mushroom).]
* Presenting data in a table [A table is included with the following data listed: Cakes – Apple, Chocolate, Lemon, Banana. Puddings – Sticky, Christmas, Caramel, Citrus. Biscuits – Anzac, Ginger, Orange, Choc-chip. Ice cream – Strawberry, Caramel, Vanilla, Mint.]
* Presenting data in a chart

Independently and with others create and organise ideas and information using information systems, and share these with known people in safe online environments (VCDTDI016)

* Using images, sound and text
* Creating a photo story to share online
* Deciding what to publish and not publish
* Sharing ideas with classmates in a safe online environment

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Content descriptions

Creating Digital Solutions

Follow, describe and represent a sequence of steps and decisions (algorithms) needed to solve simple problems (VCDTCD017)

* Following some steps to perform a task
* Describing the steps and decisions needed when washing the dishes
* Providing instructions to a robotic device to move across the floor
* Writing a simple algorithm involving the required steps and decisions for brushing your teeth

Explore how people safely use common information systems to meet information, communication and recreation needs (VCDTCD018)

* Describing how computers can be used as phones
* Discussing the need for cyber safety when on the internet
* Following ergonomic practices
* Investigating how computers are used by families and friends

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