Digital Technologies Curriculum – Levels 3 and 4
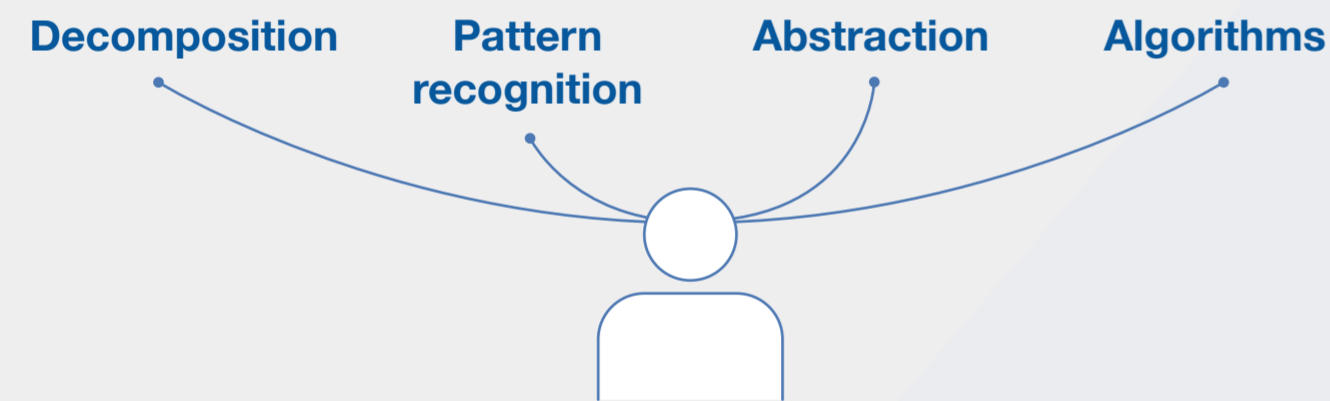
Content descriptions

Digital Systems
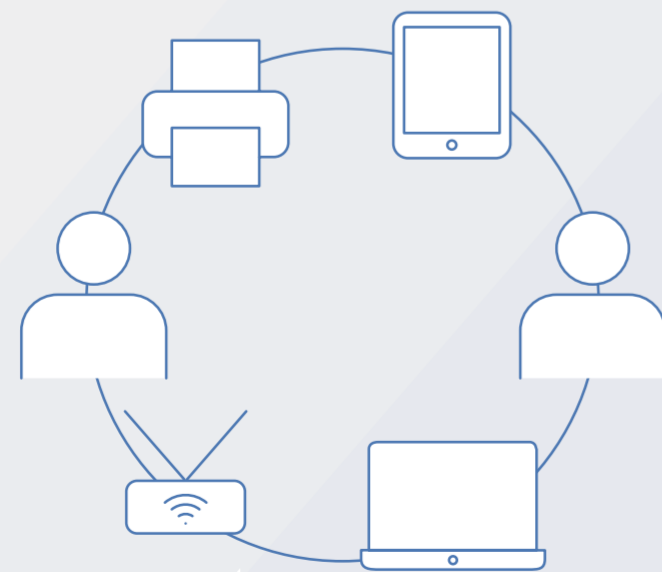
Explore a range of digital systems

Headset

Laptop

Printer

USB cable
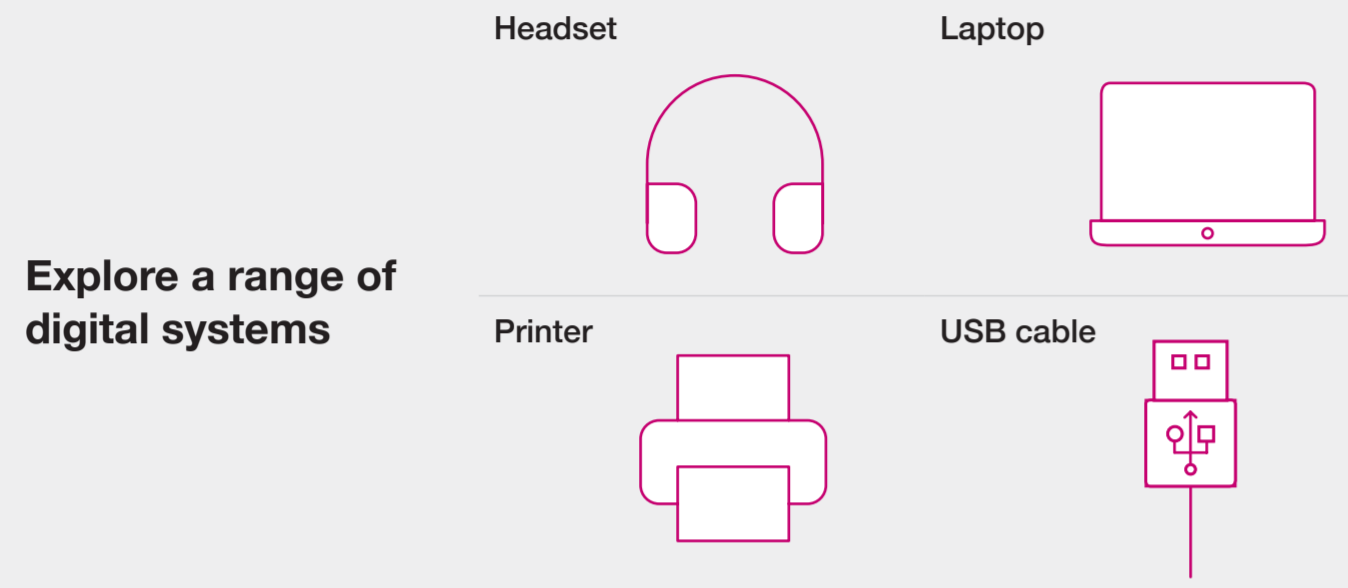
Ways of thinking at Levels 3 and 4

Computational thinking

Decomposition

Pattern recognition

Abstraction

Algorithms

Systems thinking

Interactions and interrelationships between components, devices and people

Data and Information

Recognise different types of data

Image data

Text data

Sound data

Video data

Collect, access and present different types of data

Collected data

Calculations

Files

Line chart

Plan, create and communicate ideas and information

Collaborate

Plan

Privacy

Protocols

Creating Digital Solutions

Define simple problems

Decision

Yes   No

Define problem

?

Steps

1
2
3
4
5

User input

value = input

Develop simple solutions as visual programs

Decision

Solutions

User input

Visual program

Explain how solutions and information systems meet needs

Evaluate classmate's solution

Evaluate own solution

Present data

Survey

VICTORIAN CURRICULUM AND ASSESSMENT AUTHORITY

VICTORIA State Government