



COMPUTING

Progression Map

COMPUTING PROGRESSION MAP



Vocabulary

Input

Output

Process

Software

Hardware

Computer

Device

Digital

Binary

YEAR 1

- Recognise common uses of information technology in the home and school environment.

YEAR 2

- Recognise common uses of information technology beyond school.

WHAT IS A COMPUTER?

Progression Map

YEAR 3

- Recognise familiar forms of input and output devices and how they are used.

YEAR 4

- Use other input devices such as cameras or sensors.

COMPUTING PROGRESSION MAP



Vocabulary

- Network
- Topology
- Sharing
- Server
- Device

YEAR 3

- Understand that computer networks enable the sharing of data and information.
- Understand that the internet is a large network of computers and that information can be shared between computers.

YEAR 4

- Understand what servers are and how they provide services to a network.

YEAR 5

- Begin to use internet services to share and transfer data to a third party.

YEAR 6

- Understand how computer networks enable computers to communicate and collaborate.
- Begin to use internet services within his/her own creations to share and transfer data to a third party.

NETWORKS
Progression Map

COMPUTING PROGRESSION MAP



Vocabulary

Hardware
Software
Application

USING A COMPUTER

Progression Map

YEAR 1

- Use technology purposefully to create digital content.

YEAR 2

- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.
- Use technology purposefully to create digital content comparing the benefits of different programs.

YEAR 3

- With support select and use a variety of software to accomplish goals.

YEAR 4

- With support select and use a variety of software on a range of digital devices.
- With support select, use and combine a variety of software on a range of digital devices to accomplish given goals.

YEAR 5

- Independently select and use appropriate software for a task.
- Independently select, use and combine a variety of software to design and create content for a given audience.

YEAR 6

- Independently select, use and combine a variety of software to design and create content for a given audience, including collecting, analysing, evaluating and presenting data and information.
- Design and create a range of programs, systems and content for a given audience.
- Independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information.

COMPUTING PROGRESSION MAP



Vocabulary

Internet
Sharing
Searching
Personal Information
Privacy
Content

YEAR 1

- Understand where to go for help and support when he/she has concerns about content or contact on the internet or other online technologies.

YEAR 2

- Use technology safely and keep personal information private.

e-SAFETY

Progression Map

YEAR 3

- Use technology safely and respectfully, keeping personal information private.
- Use technology safely and recognise acceptable and unacceptable behaviour.

YEAR 4

- Use technology responsibly and understand that communication online may be seen by others.
- Understand where to go for help and support when he/she has concerns about content or contact on the internet or other online technologies.

YEAR 6

- Use technology respectfully and responsibly.
- Identify a range of ways to report concerns about content and contact in and out of school.

YEAR 5

- Understand the need to only select age appropriate content.

COMPUTING PROGRESSION MAP



Vocabulary

Search engine

Internet

Results

Input

Evaluate / Discern

YEAR 3

- Use simple search technologies.
- Use simple search technologies and recognise that some sources are more reliable than others.

YEAR 4

- Understand how results are selected and ranked by search engines.

YEAR 5

- Use filters in search technologies effectively.
- Use filters in search technologies effectively and appreciates how results are selected and ranked.

YEAR 6

- Be discerning when evaluating digital content.
- Use filters in search technologies effectively and is discerning when evaluating digital content.

NET SEARCHING

Progression Map

COMPUTING PROGRESSION MAP



Vocabulary

Algorithm
Sequence
Selection
Repetition
Variable
Instruction
Debug
Test
Prediction
Design

