

Computing Knowledge Building

Know how to be a discerning digital citizen, questioning the validity of content and challenging improper representations

Know that not everything online is true and take care when communicating and sharing information

Know that everything online is public and know what to do if they see something they don't like

Understand that we can communicate online and know that the internet contains information

**Digital
Citizenship**

Know how to recognise, create and combine variables

Know how to use repetition, loops and selection and how to decompose problems to create solutions

Understand the terms algorithm and program, and that they need to be clear and unambiguous

Know how to follow and input simple instructions to control and operate devices

**Computer
Science**

Know what a spreadsheet is, what it is used for and how to create one

Know how to use technology, such as data loggers, to collect information and draw conclusions

Know how to use specific software to create simple charts, pictograms and branching databases

Know how to collect, sort and present simple data e.g. images

Data

Computing Knowledge Building

Understand how to use search engines, how results are selected and ranked, and know about satellite technologies

Know how networks and the internet work, the history of the WWW and the opportunities for communication online

Understand the historical and modern-day uses of technology as a means of communication

Know some of the ways technology is used in and beyond school

Information Technology

Know and understand the terms 'block', 'command', 'simulation', 'script' and 'variables'

Know and understand the terms 'network', 'input', 'output', 'World Wide Web', 'PageRank' and 'Sprite'

Know and understand the terms 'algorithm', 'search', 'program' and 'debug'

Know and understand the terms 'information', 'Internet' and 'communication'

Technical Vocabulary

Know how to identify hardware / software needed to fulfil a specific task & create new content using existing media

Know how to use a range of tools to combine, edit and enhance a range of media for a particular purpose or effect

Know how to use media to convey information or intent by employing tools to create simple digital content

Know which technology to select and use for particular purposes

Multimedia