



Computing Skills and Knowledge

Expected by the End of Year __1__

Generic Skills and knowledge

- be able to print work using the Print icon
- load programs with support
- know that work can be saved and retrieved
- save work and retrieve work with support
- have experience of a range of ICT equipment and software
- talk about what they are doing with ICT

Computer Science

Control and Programming

- know that many everyday devices respond to commands
- follow simple instructions e.g. pre-Logo activities
- control a programmable robot in linear scenarios, using Forward and Backward commands (arrows) and the Go command
- know how to use trial and error to investigate hardware and software
- use trial and error to create a sequence of instructions to a move a programmable robot
- describe what actions are needed to make something happen and begin to use the word algorithm
- begin to predict what will happen for a short sequence of instructions
- begin to use software/apps to create movement and patterns on a screen
- use the word debug to correct mistakes when programming

Digital Literacy

Research

- beginning to know how we can use websites and the internet for research.
- with support, can use links to websites to find information

Data handling

- develop simple classification skills based on practical sorting activities
- with support, use simple data plotting/ graphing programs to produce pictograms and other simple graphs

E-Safety

- show a trusted adult when something worrying or unexpected happens when using a device
- understand what personal information is and to keep it private
- select from a list of apps, games and websites

Information Technology

Graphics and digital video

- be able to use an art package as medium to convey their ideas, as one of a range of media available
- be aware of a wider range of tools in the art package
- know how to use a digital camera or digital video camera to take pictures
- be aware that digital pictures and video can be saved on a computer

Sound

- use CD players independently to listen to pre-recorded sound
- use sound buttons/ microphones to record and playback sounds e.g. own voice, others voices
- with support, use music software to experiment, create and play their own compositions

Multimedia

- with support, add captions or sound to digital pictures or video

Word Processing and email

- Know how to use a keyboard to input characters
- put text on screen
- use upper and lower case
- use the space bar and the Return key
- use the Shift key to make a capital letter
- use word lists to enter text
- with support, print their work using the Print icon