



Computing Progression Map

Technology in the real world

Nursery	Reception	Year 1	Year 2
Explore the technology that we use at home and school. To use technology for a specific purpose Ipad for a game, camera for photos etc, walkie talkies.	To talk about and explore uses of technology beyond school. What have in the home. To use programmable toys, equipment such as cameras and laptops and Ipads, walkie talkies.	To select an image to add to work. To use a keyboard and change font, colour, size and add effects. To begin to use e-mail for communicating with other classes.	To use different font sizes, colours and images to communicate meaning. To navigate email folders. To know what language to use in an email. To save work on a computer.

Programming

Nursery	Reception	Year 1	Year 2
Interact with age appropriate software. Complete a simple programme or app on a digital device.	Be able to programme a bee bot or remote control car. To use a directional app e.g turtle or beebot. To use some logic to predict what will happen next in a program.	To know what algorithms are and how they are used. Use algorithms to programme something. E.g Scratch Control something using simple instructions. Predict the behaviour of simple programs. E.g scratch or using remote control cars etc.	To understand that programs are a sequence of instructions. Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs. Use a program to control a physical hardware.

Purposeful application

Nursery	Reception	Year 1	Year 2
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Use technology for a purpose e.g to play a game	Begin to use technology to create simple programs. Use cameras and I pads to take photos.	Recognise how ICT is used beyond school Use technology to create digital content	Use technology to create and share digital content. Create and implement simple programs on digital devices. Use technology to retrieve, organise and manipulate digital content.
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E-safety – cross over with PSHE

Nursery	Reception	Year 1	Year 2
To know that they have to be careful using games or apps on a tablet and to make sure they do it with an adult.	To know who to talk to if they are worried or saw something online or on a tablet for example. To use technology carefully and respectfully – follow school's iPad rules. Begin to know that they need to talk to adults when worried about something they see or hear online.	Know what to do if they see something inappropriate online and to know the sorts of things that could be inappropriate. Begin to understand and follow e-safety and acceptable use policy. Know where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	Know what personal information is and why they need to keep it private, Use technology safely and respectfully. Know where to go for help and support when they have concerns about content or contact on the internet or other online technologies.