



Progression of Knowledge and Skills in **Computing**

Nursery	Reception	Year One	Year Two
Explore how things work. Provide mechanical equipment for children to play with and investigate. Suggestions: wind-up toys, pulleys, sets of cogs with pegs and boards	I can make a floor robot move. I can use simple software to make something happen. I can make choices about the buttons or icons I press, touch or click on. I can move objects on a screen. I can tell you about technology that is used at home and in school. I can operate simple equipment. I can record sound clips. I can take photographs.	I can use a safe part of the internet to play and learn. I know what coding means. I know that programs are made up of a sequence of codes. I can use instructions to control devices or objects on screen. I can solve problems with instructions on and off screen. I can get online and use websites. I can ask questions and find the answer. I can use the internet to find information. I am safe online.	I know what an algorithm is. I can use algorithms to control devices or objects on screen. I can write a program using instructions and know that this is coding. I can solve problems with Instructions on and off screen. I can predict the behaviour of simple programs or code. I can get online and use websites. I can ask questions and find the answer. I can explore and share information online. I am safe online. I can create presentations for a specific audience.

Nursery	Reception	Year One	Year Two
	I can tell you about different kinds of information such as photos, videos, words and sound. I can tell an adult when something worrying or unexpected happens while I am using technology. I can talk about the amount of time I spend using a tablet, computer or gaming device. I am careful with technology.	I can log in to Purple Mash. I know that passwords are private information. I can add text to pictures. I can record and use sound clips. I can take photographs/videos on cameras and other digital devices. I can edit photos. I can use a data logger to collect information. I can edit photos. I know messages can be sent electronically. I know that information online can be seen by others. I understand that some computer games, apps and websites have age restrictions.	I can take and edit photos and videos using an iPad. I can save and use recorded sounds. I can use a data logger to collect and record information. I can use software to represent data on screen. I can create a graph or chart to answer questions. I can use passwords and keep them safe. I know that private information shouldn't be given out on the internet. I know that information including images online can be shared at home, school and worldwide. I understand that some computer games, apps and websites such as social media, have age restrictions to help protect me.