

Computer Science progression

	Year R	Year 1	Year 2
Computer Science	I can understand that technology works through instructions I can work collaboratively to solve problems with peers.	I can begin to understand how computers work. I can understand how a simple database works. I can understand what algorithms are. I can explore using an algorithm. I can understand that algorithms are precise I can begin to programme a simple sequence of commands into a programmable toy.	I can understand how a computer uses instructions and commands. I can use algorithms to solve a problem. I can write a sequence of instructions to control a <u>programmable toy</u>. I can predict what will happen in a program. I can record a simple sequence of instructions to control a <u>programmable toy</u>. I can create a plan of the steps needed to solve a more complicated problem. I can create a plan of the steps needed to solve a more complicated problem. I can debug my programs. I can identify errors in my program programs and talk about how to fix them I can use algorithms to create programs to move an object within simple on-screen program

Information Technology progression

	Year R	Year 1	Year 2
Information Technology	I can use an iPad to record. I can use a touchscreen device to practise my name. I can begin to log into a computer I can load a programme with help.	I can load a program I can print and save my work I can begin to record a video using a device. I can use a paint package to create a picture to communicate my ideas I can save my work with help I can begin to take photos using a device. I can use ICT to begin to organise items.	I can improve my typing skills and edit my work. I can plan a video recording. I can use an iPad to film a video. I can use an app to create and edit my work. I can create, save, organise and retrieve digital content. I can use technology to create graphs and show data. I can copy and insert images. I can manipulate digital content.

Digital Literacy progression

	Year R	Year 1	Year 2
Digital Literacy (keeping safe)	I can recognise that a range of technology is used in places such as homes and schools I know what to do if I am unsure of something online. I know the rules when I use YouTube.	I can identify technology around me I can understand the purpose of different technology. I can understand and explain the use of ICT I can explain what to do if I am unsure of something. I know to ask for help from a trusted adult and talk to them if I am worried about something. I can explain how to stay safe on YouTube or a similar app. I know to ask a trusted adult for help if I am unsure about something.	I can understand the purpose of, and begin to independently use a range of different technology. I can identify technology in our world. I can discuss the pros and cons for technology. I can explain what to do if I am unsure of something. I know to ask for help from a trusted adult and talk to them if I am worried about something. I can explain what to do if I am unsure of something. I can identify the problems of some technology.