Coddington C of E Primary and Nursery School

Computing Progression Document

Key Area	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Sequencing and logical reasoning	Know that by pressing different buttons the output can change	Know that by combining or ordering button presses more complex sequences can be created	Know that by changing the commands with precision, a specific goal can be achieved Know that by selecting code carefully, less commands can be used	Know that commands can be repeated and that by using a repeat block it can make algorithms more efficient. Know that the number of times a command is repeated, a specific goal can be achieved	Know that a variable is an element of code that can be changed Know that by adding a variable the outcome is able to be changed	Know that logic statements "IF, THEN, ELSE" can be used to achieve different outcomes Know that each command has a specific use that can impact the output.	Know that by combining or decomposing procedures, more complex goals can be achieved Know that how and when the procedures are used the output of the entire program is changed
Select, use and combine	Know that different technology has specific uses.	Know that technology can be used to create sound, images and other digital content.	Know that different forms of digital content such as images and text can be combined	Know that combining digital media allows information to be presented effectively	Know that the use of appropriate animation can impact the presentation	Know that data collected can be analysed to present trends and other key findings.	Know that by combining digital media can have a persuasive effect.

Computer Networks	Know that technology can be used to achieve specific life tasks Know that some devices use 'the internet'	Know that if work is saved it can be accessed later on	Know that some networks are local and some are global and can be linked together	Know that the internet is a source of information and entertainment and that using a search engine is an efficient way to find information	Know that there is a global infrastructure that enables the internet to work and your information travels across the globe.	Know that our personal information is stored in the cloud which is a physical place	Know that hackers exploit vulnerabilities in networks and that cryptography is used to keep information safe.
Personal information	Know that personal information is important and who they can share it with.	Know that we have to keep personal information private	Know that there are ways to recognise who they are sharing their information with online	Know that any personal information they put online can be seen and used by others.	Know that choosing a secure password enables us to protect our data.	Know that passwords are made more secure by using numbers symbols and capital letters.	Know that they are responsible for information that is shared and how it may impact on others.
Staying safe	Know that there are people who they can tell when they see something that makes them uncomfortable	Know that there are good choices that can be made about age appropriate activities.	Know that there is different types of content on websites and how to recognise it (e.g. adverts, links)	Know that they need to be careful about downloading files and games from the Internet.	Know that it isn't healthy to excessively use computers and other devices. Know that devices need to be protected from viruses.	Know that inappropriate content can be reported on some websites (CEOP)	Know that potential threats including viruses and phishing attacks can put their personal data at risk.
Digital citizenship	Know that they must respect the work of others online	Know that the Internet is a platform for learning and communication	Know that sometimes pictures and words on the Internet cannot be copied because they belong to someone else	Know that information on websites may not be accurate or reliable.	Know that information on websites may be used for manipulation, persuasion or promote bias.	Know that it is important to respect the rights of other users.	Know that they are responsible for information that is shared and how it may impact on others.