Curriculum Design for Computing

Year – 1

Skills	Learning Objectives
Understanding the web and E-safety (Digital Citizenship and Technology - DL)	To understand what is meant by personal information.
	To be able to identify what is personal information.
	To understand why you need to keep personal information safe.
	To identify adults they can trust to share their personal information with.
	To be aware that technology can be used for communicating.
	To know that when they need help online children should speak to a trusted adult.
Using Technology (Information Technology - IT)	To understand the main functions of a digital camera.
	Begin to use conditional language like 'if' and 'when'.
	To retrieve and open digital files.
	To learn basic web navigation skills such as how to launch the internet and search for a site.
	Identify different kinds of content on the internet such as words, pictures, films, animations and games.
	To search the internet for information.
	Understand basic language like 'hyper link'.
	Understand that a search engine helps you find things.
	Identify that databases are the means of arranging things to make them easier to find. Use Google Earth to travel around the world.

The ability to creat multimedia content (Digital Creativity - DL)	To have an understanding of different camera shots such as close ups, long and wide angle shots.
	To take, view and edit photographs on an iPad.
	Use simple drawing tool to express ideas.
	Create a video using an app on an iPad.
Computer programmes and understanding how computers work (Computer Science -CS)	To understand and explain the meaning of an algorithm and the importance of order and the need for them to be precise and accurate.
	To identify algorithms in everyday life.
	To use a simple app on an iPad to create a word algorithm.
	To recognise, use and understand more complex directional language such as the difference between 'forwards' and 'up'.
	Understand that digital games are made up of different elements.
	To perform a simple program unaided.
	To apply the same principles of sequential instruction using an iPad application or PC.