Our Golden Threads: vocabulary, knowledge of the world and promoting diversity

Our curriculum is knowledge based and designed to have an impact on long term memory. See long, medium, short term plans and knowledge mats regarding curriculum content and coverage. The following outlines the progress expected within the subject and helps to provide progression throughout the school in our mixed age classes.

Due to the impact of Covid, teachers assess children at the beginning of units of work and track back through the colours when necessary, to fill gaps and ensure sound understanding before moving on.

Curriculum Progression in Computing

	Rainbow reference	NETWORK AND INTERNET Children can:	USING ICT Children can:	MAKING THINGS HAPPEN Children can:
Pre-school	White			
Reception	Red	Identify things they see on screen	Use a mouse or key pad to make marks	Enjoy simple computer games
Year One	Orange	Remember and recall information they have seen on screen Recognise ICT around them Explore information from various ICT sources Know that information comes in different forms	Write simple ideas and make lists Use names for ICT components – e.g. mouse Record their own voice and that of others Use a simple art program	Play computer games Move objects around on a screen Repeat a series of actions for a purpose Recognise things around them which respond to signals and instructions
Year Two	Yellow	Find information on the internet	Understand the importance of ICT Recognise different ways of using ICT and decide which to use Take digital photos Use shape tools to draw Use the space bar Store documents into a folder and retrieve them Use clip art to add and resize a picture	Understand how to make something move Give a single instruction to make something happen Explain what has happened when using ICT for control Predict what might happen when controlling Move and control a programmable toy

			Use shortcuts to insert objects and delete them Make a simple slide show	
Year Three	Green	Understand different ways to send a message Recognise an email address Use @ in emails Send an email and reply to one Navigate a website by clicking on links Use the back button to return to a previous website page Understand the importance of email safety Keep their own personal information private	Recognise the importance of ICT in the real world Record using video and sound, and amend what they have recorded Use ICT to organise and present their work Use a spell checker Fill in a data collection sheet Enter information to make a graph Create and position text, alter font and align text Change page layout Find and use stored information	Understand the importance of clear and precise instructions Use algorithms to control movement Create and debug simple programs Control an avatar in a game Make appropriate choices in simulations and models
Year Four	Blue	Recognise immediately when online safety is compromised and know how to get support Understand and use networks Use a search program and understand how to rank information Add an attachment to an email	Search databases Recognise terms – e.g. cell, row, column Format text towards a specific purpose Use word count, bullets, numbering Present information using a range of software Use ICT across a range of subjects Order and organise text using a word processing program	Program an external device Design and write simple programs Debug programs when they go wrong Use control commands to draw shapes Add animation to presentations Use ICT to control events and sense physical data – for example in a weather program
Year Five	Indigo	Conduct a safe internet search and refine it for both speed and accuracy Know how to distinguish between good and bad information found on the internet Rank information found on the internet in order of importance and relevance Extrapolate the best information and summarise it using ICT	Analyse a range of information using ICT Capture sound, still and video images using a range of hardware Save documents and images into different formats for different purposes Organise a wide range of information using ICT and save it in appropriate ways	Work with variables and various forms of input and output Adapt and modify programs and add refinements Use simulations to explore patterns and relationships Make predictions about what might happen in a game program Understand the use of sensors to monitor and measure
Year Six	Violet	Make a home page for a website Use information to hypothesise and speculate in a range of everyday situations	Use video chat in school Add, amend and combine different forms of information in different ways	Understand that poor input equals unreliable results Use sequence, selection, and repetition in control

			Use a range of concepts and ideas when presenting across different subjects Use and add menu options, including hyperlinks	Use ICT to measure sound, light, temperature Create databases with fields, rows, columns Add special effects to work Know that devices can have more than one pre determined action or result Make devices have more than one pre determined action Explore what-if scenarios