

Progression in Computing

Updated - May 2026

Skills	Early Years Foundation Stage	Key Stage 1 (Years 1 and 2)	Lower Key Stage 2 (Years 3 and 4)	Upper Key Stage 2 (Years 5 and 6)	As All Saints' Pupils make the transition to secondary school we want them to be able to ...
Digital Literacy and Online safety	Start to develop an understanding of how to use the Internet safely. Children start their phonics journey with Phonics Shed.	Children are taught how to search the internet safely to select and retrieve appropriate data. Also the impact of screen time on physical and mental wellbeing. <i>(Explorers) (Prehistoric Predators)(Fire Fire!)</i>	Children to be taught to safely collect and analyse data through online questionnaires <i>(Dear Earth)</i> Children taught how to search safely and effectively to find content when creating own websites and wikis <i>(Antarctic Adventure)</i> Children will be exploring methods of online communication & developing our understanding of digital devices <i>(Stone Age Survival)</i> Children learn about sharing information and the internet. <i>(Saxons and Vikings)</i> Children learn how to manage online relationships and communicate safely online <i>(Top Gear)</i> We will explore the concept of the internet and the systems and networks around it. <i>(Under the Sea)</i>	Children will recognise how to use technology responsibly and look critically at the role of the media. <i>(The Empire)</i> Children taught how to search safely and effectively to find content when creating own websites and reference used sources <i>(Holes)</i> Children taught how to search safely and effectively to find content when creating own websites <i>(The Magic of Harry Potter)</i>	Be digitally literate across a range of operating systems and be able to use their computational thinking across a range of situations so that they are prepared for a future that we cannot yet imagine. We want them to be able to navigate the online world safely and securely.

Computer Science eg. Coding		The children create programmable toys such as LEGO SPIKE <i>(Toy Makers)</i> Children will be using Scratch Jr to investigate, modify and create animations using Sprites and backgrounds. <i>(Oh I do like to be beside the Seaside)</i> We will be using our finger puppets made in DT to create a Stop Go animation. <i>(Lights, Camera, Action)</i>	Children use LEGO SPIKE to build amusement parks. <i>(Megastructures)</i> Children use LEGO SPIKE to experiment with modes of transport <i>(Top Gear)</i> Children use Scratch to programme their own computer games <i>(Imaginary Worlds)</i> Children use Scratch to find and fix bugs <i>(Under the Sea)</i> Children use SketchUp to design buildings <i>(Megastructures)</i> Children learn how to communicate online and how networks work <i>(Stone Age Survival and Invaders and Settlers)</i> <i>We will use Stop Go Animation software to make mini movies. (Tomb Raiders)</i>	The children will use the LEGO SPIKE kits to create their own carnival games <i>(Terrible Tudors)</i> Children use AppMaker to code their own apps and learn how to design an effective interface <i>(Remarkable Rainforests) (The Empire)</i> Children use computational thinking eg. bug fixing and coding, to crack codes <i>(We'll Meet Again)</i> Children will be Game Developers; using programming skills to develop an interactive game. <i>(Sun Moon and Stars)</i>	
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Information Technology eg. software	Children to use laptops to develop mouse control Children use iPads to record and retell stories.	Children will be learning about technology within their classroom and how to correctly use a chromebook. <i>(Mr Men Come To Maldon Explorers)</i> Children will be creating digital paintings <i>(Shiver me Timbers)</i> Children create fact files and Top Trump Cards about fossilisation <i>(Prehistoric Predators)</i> Children use Google Slides to recount our trip to a castle. <i>(Dungeons and Dragons)</i> Children will be exploring photography <i>(Ready Steady Grow)</i> <i>Children will collect data and make their own digital pictograms. (Towers, Turrets and Tiaras)</i>	Children use Chromebooks to sample, sequence and compose their own theme tunes <i>(Top Gear)</i> Children use Stop Go animation app on a Chrome tablet to make an Egyptian Story <i>(Tomb Raiders)</i> Children create websites and wikis using HTML and Google Sites <i>(Antarctic Adventure Celts & Romans)</i> Children will learn to edit photos and import them into our own Slide shows. We will also film our own advert. <i>(Eureka!)</i> Children collect and analyse data through Google Sheets and Graphs <i>(Dear Earth)</i>	Children use O-Generator to compose a backing track for a song <i>(Sun, Moon and Stars)</i> Create and edit videos using different software <i>(Where the World Turns Wild)</i> Children use Google Sites to design and create Harry Potter themed webpages with links to external sources. <i>(The Magic of Harry Potter)</i> Children will be creating images using Canva <i>(Back to the Future)</i> Children use Google Drawings to create Vector Drawings <i>(Faster, Higher, Stronger)</i>	
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