



St Martin's CE Primary Computing Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	What is a computer? make their own computers using junk.	iPads – phonics, games, typing.	Operate Bee-bots using a sequence of instructions.	Unplugged - the importance of sequencing and order by breaking down popular stories /making a sandwich	E-Safety – create own videos using iPads giving guidance on how to use the internet safely.	Children will practise typing on desktop computers.
Year 1	Programme a toy to move around a map. Algorithms, input, predictions and debugging.	Create and film a short video using iPads.	Computer skills: using a mouse, saving docs, logging on/off, shutting down, using keyboard and navigating files.	Electronic artwork to illustrate a traditional tale using Tux paint.	Use search engines to collect pictures of different animals and explore how they can be grouped and organised.	Create a digital greetings card using Microsoft paint/google slides.
Year 2	Espresso Block Coding Level 1	Espresso Block Coding Level 2	Taking photos, importing and editing.	Research a topic, share findings through a computer presentation	Understanding emails: how to create emails, email addresses, sending emails and email safety	Organise collected data, record it using a graphing packages and interpret the data.
Year 3	Espresso Block Coding Level 3	Scratch coding - finding and correcting bugs in computer programmes.	iMovie - make a narrated video, practising a sport or other skill.	E-Safety, communicating safely on the internet.	Using google forms, data collection and analysis.	Espresso Block Coding Level 4
Year 4	Espresso Block Coding Level 5	Scratch coding - toy designers, making an interactive toy	Producing digital music using garage band.	Raspberry pi / BB8 coding.	Producing a Wiki page or google site based on a topic.	Research the weather and make a presentation as weather reporters.
Year 5	Espresso Block Coding Level 6	Develop a game using scratch coding.	Creating geometry and art using block coding.	Creating a class web page based on topic using google sites.	Create a class blog on topic using Padlet.	Architects – design and create virtual spaces using Sketchup.
Year 6	Espresso Python Coding Introduction	Espresso Python Coding Level 2	Create, film and edit a short television advert.	E-Safety	Using media and mapping to document a trip.	Create a computer based yearbook or magazine.