



COMPUTING OVERVIEW

COMPUTING	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Nursery		Understanding the World Can we sequence the events in a story?	Understanding the World Can we sequence a journey?	Understanding the World Can we create a set of instructions?	Understanding the World Can we sequence the life cycle of a caterpillar?	Understanding the World How can we take a photograph?
Reception	Understanding the World How do we use technology?	Understanding the World What are the different parts of a computer?	Understanding the World Can we sequence the events from Mr Gumpy's journey?	Understanding the World Can we create a set of instructions for how to build a house?	Understanding the World Can we direct the baby monkey to his Mum?	Understanding the World Can we give Little Red Riding Hood instructions to travel through the forest safely?
Year 1	Computing Systems and Networks How can we use a computer?	Programming How can we program a Bee-Bot to follow a set of instructions?	Creating Media How can we create our own digital painting?	Data and Information What can we use to group and sort information?	Programming How can we move a character?	Creating Media How can we add and edit text?
Year 2	Computing Systems and Networks How does technology benefit society?	Creating Media How can we take and edit digital photographs?		Data and Information How can we organise and present data using charts?	Programming How can we debug programs that control a Bee-Bot?	Programming How can we create an interactive quiz?
Year 3	Data and Information How can we create a branching database?	Computing Systems and Networks What are computer networks and how do they work?	Creating Media How can we combine text and images for effect?	Programming How can we use sequences of code?	Creating Media How can we create a stop-frame animation?	Programming How can we program and debug using a range of events?
Year 4	Computing Systems and Networks How can we evaluate online content?	Data and Information How can we use special input devices to capture and analyse data?	Creating Media How do we capture and edit audio to produce a podcast?	Creating Media How can we manipulate digital images?	Programming How can we code using repetition and count controlled loops?	Programming How can we code using infinite loops?
Year 5	Computing Systems and Networks How can we refine searches and understand how results are ranked?		Programming How can program a microcontroller using repetition and conditionals?	Creating Media How can we plan, capture and edit video?	Data and Information How can we interrogate a database to answer questions?	Programming How can we use variables to create an interactive quiz?
Year 6	Computing Systems and Networks How does the internet facilitate online communication and collaboration?	Creating Media How do we plan, design and create a webpage?	Data and Information How can we use spreadsheets to organise and calculate data?		Programming How can we use variables to create a coding game?	