

SUBJECT: Computing				YEAR GROUP: 6		
Half-Term	Aut1	Aut2	Spr1	Spr2	Summ1	Summ2
Statement of Intent	Networks: Children know to question information they find on the internet	Spreadsheets: Children know how to use formulas in Spreadsheets and create outcomes	Graphing: To use Excel to create graphs and data tables. Link to maths	Coding: Children can create and design a game using coding / Scratch	Blogging To understand how to write a blog and a blog post Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.	Microbits To collect data on environmental conditions. Children will create programs that use the micro:bit's pin input to create outputs when testing materials for conductivity.
Key Curriculum Coverage	To understand what a computer network is and identify examples of networks at home, school and in the wider world. To understand the difference between the internet and the World Wide Web and explore the services they provide. To explore how the internet can be used for communication and collaboration, and how	Make graphs from own spreadsheets Use spreadsheets for a purpose To understand and use basic formatting in Excel. To develop skills in using basic functions in Excel. To create and format charts in Excel. To sort and filter data within a spreadsheet. To understand and use advanced functions in Excel. To combine Excel skills to create an effective	To create comparative bar charts using graphing software. To create pie charts using graphing software. To create line graphs using graphing software. To present data in graphs to support an argument <u>Online safety – Online data and misinformation</u>	To understand ways to use cloning in 2Code. To explore the use of hotspots in 2Code. To understand the different options for generating and using user input in 2Code. To use flowcharts to test and debug a simulation.	I know how hits work on a website I can compare searches and understand how key words work I can use google in a safe way Features of a successful blog The effect of a blog Commenting <u>Online safety – recap online data and misinformation</u>	To code a micro:bit to identify materials that are conductors. To use a micro:bit to collect step count data and use this data in graphing software. To use a micro:bit to collect temperature data and use this data in graphing software. To use a micro:bit to collect light level data and use this data in graphing software.

	to do this safely and respectfully. . <u>Online safety:</u> Know sources of help on the Internet eg childline Create own class rules for using online sites and activities Discuss scenarios involving online risks	spreadsheet for a given purpose <u>Online safety – Online data and misinformation</u>		To use program design documentation to produce a program. To understand how 2Code can be used to make a text-based adventure game <u>Online safety – use of Ai: potential risks</u>		
Key Vocabulary	WAN LAN Safety Fake news Digital footprint Trolls Cyber bullying Hits Algorithms Internet WWW GPS NAN WAN	Cell Formula / * Sum colon	Glide Sprite Broadcast Receive Debug Clone Hotspot	Debugging Sprite Selection Function Glide Sprite Broadcast Receive Clone Hotspot	Hits Algorithms Internet WWW GPS NAN WAN Blog post Collaborative vlog archive	Input Output Algorithm Processor