COMPUTING





DIGITAL SAFETY					
YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Create a memorable password and keep it private	Understand how and why to keep personal information private	Create a suitable secure password	Choose and create a secure password	Protect my password and other personal information	Use the internet safely and respectfully, understanding ways in
		Use safety features (e.g.	Log off any programs		which to keep safe and
Understand what	Understand what is	safesearch) and know	used	Choose an age-	secure.
personal information is	appropriate and not	how to report a problem		appropriate website or	
and how to keep it	appropriate and how to		Know how to protect	game	
private	tell an adult	Ask an adult before	myself and report any		
		downloading anything	issues	Know which resources on	
Recognise websites which	Know that not everyone is			the Internet are safe to	
are age appropriate	who they are on the internet	Understand what is safe to share online	Comment respectfully online	download and use.	
To follow rules set when					
using computers			Begin to identify false information		

PROGRAMMING						
YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	
Understand that a	Code simple instructions	Create, save and open a	Solve problems by	Decompose a	Deconstruct a problem	
computer follows	(forward, backward, left	new project	deconstructing them	problem/algorithm into	into smaller steps,	
commands	and right)			smaller steps	recognising similarities to	
		Begin to animate a sprite	Test code regularly to		solutions used before	
Issue a robot with simple	Decide the order in which	Use repetition to ensure	ensure it works	Avoid 'smelly code' by		
commands	instructions need to occur	efficiency		checking my code is	Evaluate the effectiveness	
	for code to work		Create and use variables	efficient	and efficiency of my	
Break down commands		Edit a sprite	with code		algorithm	
into simple steps	Tell you what will happen			Test, detect and debug		
	by reading a line of code		Use repeat and selection	issues and problems with		
			to ensure efficient code	my code		

Plan, test and debug	Begin to spot mistakes	Test and debug my code	Explain and program each
simple programs and	when watching code	with support from a	of the steps in my
steps	execute	friend	algorithm.

HANDLING DATA						
YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	
Organise files and data into groups	Identify the different ways that technology captures data including a	Use the internet to research data	Use an appropriate tool to research and record information	Edit, open and save a document in a specific location	Select the most effective tool/program to collect and represent data	
Locate data within a file Search for data using	camera and a microscope Make and save a chart or	Use suitable tools to search, find and record data	Know how to save and access work	Share data safely and	Present the data I collect	
appropriate tools	graph	Use an appropriate tool	Edit, improve and	securely using an appropriate tool	in an appropriate way Present data in a range of	
Use key words to locate relevant data	Organise and save pictures	to record my data	evaluate mine and others' work online	Present data in an appropriate way	forms using different tools	

MULTIMEDIA						
YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	
Select a program by	Use suitable tools to	Compose and send an	Make decisions about the	Use text, photo, sound	Use a broad range of	
identifying the correct	complete a task	email	structure and	and video editing	multimedia to accomplish	
icon			presentation of my work	software to enhance my	different tasks	
	Use tools to change font,	Understand that different		work		
Present work using a	design and layout of my	multimedia is used for	Create, modify and		Understand that some	
suitable tool	work	different purposes	present work effectively	Review and improve my own and others' work	multimedia is more appropriate than others	
Begin to use and	Begin to learn about what	Use spellchecking devices	Navigate a keyboard		when completing tasks	
understand common	the different software	to edit and improve work	efficiently	Use skills acquired to		
programs and their	programs can do and are			create content using	Edit a range of	
purpose	used for		Begin to understand	unfamiliar tools	multimedia to enhance its	
			some shortcuts on a		impact	
			keyboard and use them in			
			a program			

TECHNOLOGY IN OUR LIVES					
YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Create a memorable password and login safely	Begin to understand how and when to use technology around the	Retrieve work from a computer and shared network	Use key words to use when searching safely on the World Wide Web	Use relevant online tools to communicate	select an appropriate tool to communicate and collaborate online
Log off shared devices	class	Use search tools to find	Create a hyperlink within	Use search engines appropriately to find	check the reliability of a
Use technology to present my work effectively	Know that information on the internet can come from a range of sources	appropriate websites Share information and	a document/presentation	information and check its credibility	website and its content
Use different devices including tablets, laptops and robots	Understand the benefits of technology including searching, finding, creating and communicating	details using a suitable method	Navigate a computer and the shared networks to find and save work.	Navigate a webpage and understand ways to find what I need	