



			Y4	Y5	Y6
Technology around us	Information technology	<u>Connecting</u>	Desktop publishing	Sharing information	<u>Internet</u>
To identify technology	around us	<u>computers</u>	To describe how	To explain that	<u>communication</u>
la identify a computer					To identify how to use a search
		devices foricitori	networks		engine
		To identify input and		systems	g
To use a mouse in	To identify the uses of	output devices	To recognise how		To describe how
different ways				<u> </u>	search engines select results
To use a keyboard to	in the school	-	make up the internet		selectresults
type on a computer	To identify information	change the way we	To outline how websites		To explain how
	technology beyond	work	can be shared via the	To recognise how	search results are
To use the keyboard to	school	To overlate how a			ranked
edit text	To explain how		(** ** **)		To recognise why
To create rules for using	information technology	can be used to share	To describe how	ine inener	the order of results
technology responsibly	helps us	information	content can be added	To explain how	is important, and to
		<b>-</b>			whom
	-				To recognise how
		connected	(*****)		we communicate
	1		To recognise how the	, j	using technology
	To recognise that	To recognise the	content of the WWW is	To contribute to a	
			created by people		To evaluate different methods
	<u> </u>	or a network	To evaluate the	onime	of online
			consequences of	To evaluate	communication
			unreliable content	different ways of	
	o identify a computer and its main parts o use a mouse in lifferent ways o use a keyboard to ype on a computer o use the keyboard to dit text	o identify technologyTo recognise the uses and features of information technologyo use a mouse in lifferent waysTo identify the uses of information technologyo use a keyboard to ype on a computerTo identify information technology beyond schoolo use the keyboard to adit textTo identify information technology beyond schoolo create rules for using echnology responsiblyTo explain how information technology information technology safely	o identify technologyTo recognise the uses and features of information technologyTo explain how digital devices functiono use a mouse in lifferent waysTo identify the uses of information technology in the schoolTo identify input and output deviceso use a keyboard to ype on a computerTo identify information technology beyond schoolTo recognise how digital devices can change the way we worko use the keyboard to odit textTo explain how information technology in the schoolTo explain how acomputerTo identify information technology beyond schoolTo explain how information technology helps usTo explain how a computer network can be used to share information technology helps usTo explain how to use information technology safelyTo explain how to use information technology helps usTo explore how digital devices can be connectedTo recognise that choices are made when using informationTo recognise the physical components of a network	o identify technology o identify a computer ind its main partsTo recognise the uses and features of information technologyTo explain how digital devices functionTo describe how networks physically connect to other networkso use a mouse in lifferent waysTo identify the uses of information technology in the schoolTo identify input and output devicesTo recognise how networksTo recognise how networksTo use a keyboard to ype on a computer o use the keyboard to did textTo identify information technology beyond schoolTo identify information technology beyond schoolTo explain how a change the way we workTo outline how websites can be used to share information technology helps usTo explain how a computer network can be used to share information technology helps usTo explore how digital devices can change the way we workTo describe how networksTo crecognise that choices are made when using information technologyTo recognise that choices are made when using information technologyTo recognise the physical components of a networkTo recognise the connectedTo evaluate the consequences ofTo revaluate the consequences ofTo evaluate the consequences of	o identify technology o identify a computer ind its main partsTo recognise the uses and features of information technology in the schoolTo explain how digital devices functionTo describe how networks physically connect to other networksTo explain that computer scan be connectedTo identify the uses of information technology po use a keyboard to ouse the keyboard to ouse the keyboard to diff textTo identify information technology beyond schoolTo recognise how digital devices can change the way we workTo recognise how digital devices can change the way we workTo recognise how output devicesTo recognise how networks devices make up the internetTo recognise the role of computerTo explain how information technology belps usTo explain how information technology helps usTo explain how to use information technology helps usTo explain how to use information technology safelyTo recognise that choices are made when using information technologyTo recognise the physical components of a networkTo recognise the physical componentsTo evaluate the consequences ofTo evaluate





	Digital painting	Digital photography	Stop frame	Audio aditing	Video oditing	Webpage
	<u>Digital painting</u>	Digital photography	Stop-frame animation	Audio editing	<u>Video editing</u>	creation
	To describe what	To uno a diaital	animation	To identify that	To ovolgio what	creation
		To use a digital	To support the standard	To identify that	To explain what	Terreterre
	different freehand	device to take a	To explain that	sound can be	makes a video	To review an
	tools do	photograph	animation is a	digitally recorded	effective	existing website
		To so also also in an	sequence of	To succe of distinct		and consider its
	To use the shape tool	To make choices	drawings or	To use a digital	To identify digital	structure
	and the line tools	when taking a	photographs	device to record	devices that can	To plan the
-		photograph	To collete endered	sound	record video	To plan the
0	To make careful	To describe where	To relate animated	To suplain that a	To combine dates	features of a web
·=	choices when	To describe what	movement with a	To explain that a	To capture video	page
<i>d</i>	painting a digital	makes a good	sequence of	digital recording is stored as a file	using a range of	To consider the
Ψ	picture	photograph	images	stored as a file	techniques	To consider the
media		To decide how	To plan an	To evolution that audio	To progto g	ownership and
	To explain why I chose the tools I used	To decide how photographs can be	To plan an animation	To explain that audio can be changed	To create a storyboard	use of images
Creating	The Tools Tosed	improved	animation	through editing	siorybourd	(copyright)
$\subseteq$	To use a computer on	Improved	To identify the	moognedning	To identify that	To recognise the
÷=	my own to paint a	To use tools to	need to work	To show that	video can be	need to preview
σ	picture	change an image	consistently and	different types of	improved	pages
(I)	pictore	change an image	carefully	audio can be	through	pages
<u> </u>	To compare painting	To recognise that	culeioliy	combined and	reshooting and	To outline the
()	a picture on a	photos can be	To review and	played together	editing	need for a
<b>~</b>	computer and on	changed	improve an	played logenier	coming	navigation path
	paper	onangoa	animation	To evaluate editing	To consider the	nangalion pali
	papoi		animanon	choices made	impact of the	To recognise the
			To evaluate the		choices made	implications of
			impact of adding		when making	linking to content
			other media to an		and sharing a	owned by other
			animation		video	people
						1P





	Moving a robot	Robot algorithms	Sequencing sounds	Repetition in	Section in physical	Variables in
				shapes	computing	games
	To explain what a	To describe a series	To explore a new			
	given command will	of instructions as a	programming	To identify that	To control a simple	To define a
	do	sequence	environment	accuracy in	circuit connected	'variable' as
		To overlein wheel		programming is	to a computer	something that is
	To act out a given word	To explain what happens when we	To identify that commands have	important	To write a program	changeable
	word	change the order of	an outcome	To create a	that includes	To explain why a
	To combine forwards	instructions	dirooleonie	program in a text-	count-controlled	variable is used in
$\triangleleft$	and backwards		To explain that a	based language	loops	a program
	commands to make a	To use logical	program has a start	0 0		
Programming	sequence	reasoning to predict		To explain what	To explain that a	To choose how to
.⊆		the outcome of a	To recognise that a	'repeat' means	loop can stop	improve a game
$\subseteq$	To combine four	program (series of	sequence of		when a condition	by using variables
	direction commands	commands)	commands can	To modify a count-	is met	To design a
	to make sequences	To explain that	have an order	controlled loop to produce a given	To explain that a	To design a project that
σ	To plan a simple	programming	To change the	outcome	loop can be used	builds on a given
JC	program	projects can have	appearance of my	obleonie	to repeatedly	example
$\mathcal{O}$	P 0	code and artwork	project	To decompose a	check whether a	
9	To find more than one			task into small steps	condition has	To use my design
	solution to a problem	To design an	To create a project		been met	to create a
		algorithm	from a task	To create a		project
		To one she and	description	program that uses	To design a	To such a to such
		To create and		count-controlled	physical project that includes	To evaluate my
		debug a program that I have written		loops to produce a given outcome	selection	project
				given oucome	3616011011	
					To create a	
					program that	
					controls a physical	
					computing project	





	Programming	Programming quizzes	Events an	Repetition in games	Selection in	Sensing
	<u>animations</u>	To supply that a	Ta availata havva	To double a the second	<u>quizzes</u>	Talana
Ф	To choose a command for a given purpose	To explain that a sequence of commands has a start	To explain how a sprite moves in an existing project actions in programs	To develop the use of count-controlled loops in a different programming environment	To explain how selection is used in computer programs	To create a program to run on a controllable device
	To show that a series of commands can be joined together To identify the effect of changing a value	To explain that a sequence of commands has an outcome To create a program	To create a program to move a sprite in four directions To adapt a	To explain that in programming there are infinite loops and count controlled loops	To relate that a conditional statement connects a condition to an	To explain that selection can control the flow of a program To update a
Programming	To explain that each sprite has its own instructions To design the parts of	using a given design To change a given design To create a program	program to a new context To develop my program by adding features	To develop a design that includes two or more loops which run at the same time	outcome To explain how selection directs the flow of a program	variable with a user input To use an conditional statement to
grai	a project	using my own design	To identify and fix	To modify an infinite loop in a given	To design a	compare a variable to a
õ	To use my algorithm to create a program	To decide how my project can be improved	bugs in a program To design and	program To design a project	program which uses selection	value To design a
<u>م</u>		Improved	create a maze- based challenge	that includes repetition	To create a program which uses selection	project that uses inputs and outputs on a controllable
				To create a project that includes repetition	To evaluate my program	device
						To develop a program to use inputs and
						outputs on a controllable device





	Grouping data	Dictograms	Branching	Data logging	Flat-file	Introduction to
	<u>Grouping data</u>	Pictograms	databases	Data logging	databases	spreadsheets
	To label objects	To recognise that we	dalabases	To explain that data	dalabases	spreddsneets
		can count and	To create questions	gathered over time	To use a form to	To identify
	To identify that	compare objects	with yes/no	can be used to	record	questions which
	objects can be	using tally charts	answers	answer questions	information	can be answered
	counted	<u> </u>				using data
~		To recognise that	To identify the	To use a digital	To compare	
	To describe objects in	objects can be	object attributes	device to collect	paper and	To explain that
.9	different ways	represented as	needed to collect	data automatically	computer-based	objects can be
1t		pictures	relevant data		databases	described using
Q	To count objects with	To progto g	To orogto a	To explain that a	To outline hour	data
3	the same properties	To create a pictogram	To create a branching	data logger collects 'data points' from	To outline how grouping and	To explain that
	To compare groups of	picrogram	database	sensors over time	then sorting data	formulas can be
U U	objects	To select objects by	To explain why it is	sensors over nime	allows us to	used to produce
information	00,0013	attribute and make	helpful for a	To use data	answer questions	calculated data
.=	To answer questions	comparisons	database to be	collected over a		
and	about groups of		well structured	long duration to find	To explain that	To apply formulas
č	objects	To recognise that		information	tools can be	to data, including
ā		people can be	To identify objects		used to select	duplicating
$\leq$		described by	using a branching	To identify the data	specific data	
ata		attributes	database	needed to answer	To sum lots the st	To create a
Ħ		To evoluin that we	To compare the	questions	To explain that	spreadsheet to
ĕ		To explain that we can present	To compare the information shown	To use collected	computer programs can be	plan an event
		information using a	in a pictogram with	data to answer	used to compare	To choose
		computer	a branching	questions	data visually	suitable ways to
		oonipere.	database	quotinono	aara mooany	present data
					To apply my	
					knowledge of a	
					database to ask	
					and answer real-	
					world questions	





	Digital writing	Making music	Desktop publishing	Photo editing	Vector drawing	<u>3D Modelling</u>
Creating media	To use a computer to write To add and remove text on a computer To identify that the look of text can be changed on a computer To make careful choices when changing text To explain why I used the tools that I chose To compare typing on a computer to writing on paper	To say how music can make us feel To identify that there are patterns in music To show how music is made from a series of notes To create music for a purpose To review and refine our computer work	To recognise how text and images convey information To recognise that text and layout can be edited To choose appropriate page settings To add content to a desktop publishing publication To consider how different layouts can suit different purposes To consider the benefits of desktop publishing	To explain that digital images can be changed To change the composition of an image To describe how images can be changed for different uses To make good choices when selecting different tools To recognise that not all images are real To evaluate how changes can improve an image	To identify that drawing tools can be used to produce different outcomes To create a vector drawing by combining shapes To use tools to achieve a desired effect To recognise that vector drawings consist of layers To group objects to make them easier to work with To evaluate my vector drawing	To use a computer to create and manipulate three-dimensional (3D) digital objects To compare working digitally with 2D and 3D graphics To construct a digital 3D model of a physical object To identify that physical objects can be broken down into a collection of 3D shapes To design a digital model by combining 3D objects To develop and improve a digital 3D model