Computing Overview

National Curriculum Coverage, Progression in Skills and Knowledge and Supporting Resources/Schemes of Work

EYFS

	3 & 4-year-olds will be learning to:	Children in Reception will be learning to:	ELG
Personal, social and emotiona	 Select and use activities and resources with help To use large and small motor skills to do things independently 	To show resilience and perseverance	 Be confident to try new activities and show independence, resilience and perseverance in the face of challenge Work and play cooperatively with others
Maths	 Selecting shapes Recall of numbers Describe a familiar route Making comparisons 	 Subitise Make comparisons Directions Positional language 	 To explore and represent pattern To compare quantities Subitise
Understa nding the World	Explore how things work	 Draw information from a simple map Comment on images 	Look at different environments, maps etc
Expressiv e art and design	 Listen with increased attention to sound Respond to what they have heard Draw with increasing complexity and detail Develop their own ideas 	 Return to and build on ideas Watch and talk about dance and performance Listen attentively and respond to music 	 Exploring tools and techniques Experiment with colour, design, form and function

Year 1

Theme	National Curriculum	Progression in Skills	Disciplinary Knowledge		Substantive knowledge		Drivers & 50 things	British Values & Protective	Schemes/Resources/ Texts
	- Carriounum			Key Questions	Key Facts	Key Vocab		Characteristics	
Autumn 1 Computer Science	Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs. Recognise common uses of information technology beyond school.	Sequence a series of pre-written instructions to create an algorithm. Break an activity down into simple steps Independently list the steps in their own algorithms, test them and correct any mistakes Combine more than one command into a device to make a simple program	Children learn that an algorithm is a set of rules or instructions written to perform a task. Children will create a set of instructions on how to draw a crazy character starting to understand what algorithms are. Children use positional and directional language to control movements of other pupils which are written as algorithms. Children tinker with digital devices and describe how the various controls affect the device. Predict and test what would happen if a few of these commands were sequenced together to control various		eft and right commands t or right they may assume	Debug Computer Algorithm			Curriculum Innovation — Skills 4 Bradford Lolly Stick Puppet Algorithms CS1 Crazy Character Algorithms — Barefoot CS1 Human Robot Mazes CS2 Tinkering Time Beebots Project Evolve — online safety
Autumn 2 Digital Literacy	Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	To use the keyboard to type words on a screen To find and understand examples of where technology is used in the local community	children will follow a simple program to learn how to use different keys on a keyboard. Children will identify different forms of technology in the classroom and in the local environment.	What is technology?	The internet helps us to find out information about lots of different facts.	Computer Technology Keyboard Keys Space bar			https://www.abcya.com /games/cup_stack_typing_game Laptops Purple Mash – Unit 1.9 Technology outside school Project Evolve - online safety materials

	Recognise common uses of information technology beyond school	Consider types of technology used in school and out of school. To record examples of technology outside school.	Children explore what different items of technology do. Children explain what different items of technology are used for.		at technology is just compu as been invented/created.	ting devices but is		
Oracy	Problem Solving- Debu	 gging an Algorithm (Paire	l ed discussion)					
opportunities								
for Autumn								
term								
Spring 1	Use technology purposefully to create, organise,	Use the shape tool and the line tools	Children will be introduced to the freehand tools available for digital painting.	How can we paint using computers?	Computers can be used to create art.	Tool Erase Fill		Creating Media – Digital Painting (NCCE)
Media	store, manipulate,	Make careful choices	Tor digital pariiting.			Undo		Paintz.app
	and retrieve digital content	when painting a digital picture	Children will be introduced to					Project Evolve – online safety
	Content		the line and shape tools to create their own digital					Project Evolve – online safety
		Explain why a tool was used	painting in the style of an					
		was useu	artist.					
		Use a computer independently to	Children will use a range of					
		paint a picture	shape tools, to create a					
		Compare painting a	painting in the style of an					
		picture on a	artist.					
		computer and on paper	Children will select the best					
		P. P. C.	tools to create a digital	Possible Misconception	is:			
			painting in the style of Wassily Kandinsky.	Children might think dig traditional art.	gital art involves less skill an	nd practice than		
			Children will select appropriate colours, brush sizes, and brush tools to independently create their own image in the style of an artist.	Children think digital ar produce great work.	t entails expensive software	e and gadgets to		
			Children will compare their preferences when creating paintings on computers and on paper.					

Spring 2 Data Handling	Use technology purposefully to create, organise, store, manipulate and retrieve digital content Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have	Sort and classify objects based on their properties. Create a simple pictogram Create a pictogram and to interpret the data it represents. Change the data independently in a	Children will sort various items offline using a variety of criteria. Children will sort various items online using a variety of criteria. Children will collect data from the class to put into a pictogram Children will be able to	How can we sort objects? What is a pictogram? What is data? Possible Misconception	We can use different criteria to sort objects.	Sort Criteria Pictogram Data	Careers/ Aspirations week STEM visit	Purple Mash – Unit 1.2 & 1.3 Sorting rings Laptops Desktops Project Evolve – online safety
O 110	concerns about content or contact on the internet or other online technologies. Discussion- Is it fine to	pictogram and comment on the effects of the changes.	explain what the data in a pictogram means Children will collect simple data and create their own pictograms	Children may think they under each criterion bu	y need to have the same nu	•		
Oracy opportunities for spring term		snare images omme:						
Summer 1 Computer Science	Understand what algorithms are how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs	Create and debug simple programs & algorithms to achieve an outcome. Recognise common uses of technology in and beyond school and understand they are controlled by programs	Children will practise programming Bee Bots to navigate around a simple cone maze. Children will convert written algorithms into programs in Scratch Junior. Children will create a collage to show some devices used at home. Children will talk about the different parts of devices and how they are controlled by programs that tell them what to do. Children will label the different parts of a device and create a simple algorithm to show how it works.	-	We program commands to make the Beebots move. A block is a command in Scratch Junior. You need to put blocks in the correct order of the algorithm. Blocks ns: e they need to clear the me ot otherwise it will store all			Curriculum Innovation- Skills 4 Bradford CS3 Floor Robot Mazes Barefoot computing - Scratch Junior Tinkering Activity CS3 – Programs in Scratch Junior Part 1 BeeBots – will need booking from the Innovation Centre CS4 Technology at home – Skills 4 Bradford Scratch Junior on ipads Project Evolve – online safety

Summer 2	Use technology safely	Communicate simple	Children will compare	What is the difference	To change the font and	E book	Purple Mash Unit 1.6 -
	and respectfully,	ideas through the use	traditional story books with e-	between a traditional	size of writing you must	Insert	Animated Story books
	keeping personal	of text, images.	books.	book and an e-book?	highlight what you want	Animation	2Create
Media	information private;			What makes a good	to change first.	Paste	Laptops
	identify where to go	Type a phrase with	Children will start to create	sound effect?		Font	Desktops
	for help and support	spaces between	their own digital character.	How do you change			
	when they have	letters.		the font style and			Project Evolve – online safety
	concerns about		Children will begin to add	size?			
	content or contact on	Add text to images or	animation to their character.				
	the internet or other	images to text.					
	online technologies.		Children will begin to add				
		Change font, size	sound to their character page.	Possible Misconception	s:		
		colour and style					
		appropriately	Children will independently	· ·	e they need to keep saving	new parts added to	
			create a retell of a story they	their work or it will be lo	ost.		
		Understand sound	have shared as a class.				
		and music can be					
		created using a range	Children will learn how to				
		of simple technology	copy and paste new pages.				
		Record sound using					
		simple technologies					
		and play back the					
		recordings.					
Oracy	Discussion- Can you tall	l k to strangers online?					
_							
opportunities							
for summer							
term							

Year 2

Theme	National Curriculum	Progression in Skills	Disciplinary Knowledge	Substantive knowledge			Drivers & 50 things	British Values & Protective	Schemes/Resources/ Texts
				Key Questions	Key Facts	Key Vocab		Characteristics	
Autumn 1 Computer Science	Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs Design, write and	Understand that more complex problems can be broken down into smaller parts Create and develop algorithms & programs to achieve pre-defined outcomes	Children will create a sequence of movements then break the sequence of actions down into parts. Children will explore algorithms that contain several events and discuss	What is decomposition?	Breaking down a sequence into parts helps the design process and sharing of a sequence.	Decompose Predict Sprite		STEM visit in class	Barefoot Computing materials – Decomposition unplugged, World map logic activity Curriculum Innovation – Skills 4 Bradford CS5, CS6, CS7 Project Evolve

	debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	Predict the outcome of a program using logical reasoning	decomposing these into sub sections. Children will create more complex programs using more tools and will decompose more tasks into smaller parts to help them achieve their goals. Children will predict what a sequence of commands will do. Children will match up algorithms to code then create code to ask other groups to predict. Children will run each block of code to check their	Possible Misconceptions: Children may misinterpret Scratch Junior program	t the meaning of the differen	nt blocks within the		
Autumn 2 Digital Literacy	Use technology purposefully to create, organise, store, manipulate, and retrieve digital content Recognise common uses of information technology beyond school Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies	To recognise the uses and features of information technology To identify the uses of information technology in the school To identify information technology beyond school To explain how information technology helps us To explain how to use information technology safely To recognise that choices are made when using information technology	children will identify devices that are computers and consider how IT can help them both at school and beyond. Children will identify examples of IT and be able to explain the purpose of different examples of IT in the school setting. Children will explore IT in environments beyond school, including home and familiar places such as shops. Children will sort activities based on whether they use IT or not and say why we use IT.	outside of the home.	Barcodes are scanned using a scanner. Part technology is used in all a lat some online games have a			IT around us - (NCCE) Project Evolve – online safety materials

Oracy opportunities for Autumn term	Problem Solving- Debugging an Al	gorithm (Paired discussio	Children will list different uses of IT and talk about the different rules that might be associated with using them.					
Spring 1 Media	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Create, edit and format a range of digital texts. Combine and share digital content from multiple sources	Children will be creating their own multimedia diary entry. Children will create a front cover with title and pictures Children will create text changing the font, colour and size. Children will create audio recordings to add to their diaries. Children will add pages to their diary	desktop computer and sor mouse to move things or i Children might try to close	all screens are touch screens me laptops they will need to	se a keyboard and a they do when closing		Curriculum Innovation – Skills 4 Bradford MM6, MM10 Project Evolve – online safety materials
Spring 2 Data Handling	Recognise common uses of information technology beyond school Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	Create a simple graph (the data may be given to the pupil) Collect data and display it in the form of a graph Write questions based on a graph they have created	Children will look at what information cannot be answered from a pictogram. Children will use a range of Yes/No answers to sort different pictures. Children will design a binary tree to sort pictures as a class.	How does a pictogram show information? How is information organised in a binary tree? How can a database help organise information? Possible Misconceptions: Children may not understagive a Yes/No answer	A Binary Tree is a simple way of sorting information into two categories. A database is a computerised system that makes it easy to search, select and store information.	Binary Tree Database Field Record Search Sort	Careers/ Aspirations week STEM visit	Purple Mash – Unit 2.4 Questioning Project Evolve

			Children will use the binary tree to answer questions to find a specific picture.					
			Children will use a database to answer more complex search questions.					
Oracy opportunities for spring term		I						
Summer 1	Understand what algorithms are; how they are implemented	Demonstrate the ability to debug predefined programs.	Children will identify what a program should do if it is	What controls digital technology?	Some bugs in programs are to do with the order of commands.	Commands Code		Barefoot Computing Curriculum Innovation –
Computer Science	as programs on digital devices; and that programs execute by following precise and unambiguous instructions Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs Recognise common uses of information technology beyon d school	Identify digital technologies around us and describe how they work Create and edit 2D	working properly, observe what actually happens in the program, identify the parts that don't work and debug the code to correct the error. Children will create a simple animation program of a knock knock joke in ScratchJr, debugging it and evaluating it. Children will identify the inputs and outputs on the digital device and create simple algorithms describing how they work.	pressing a switch, pressing	All digital technology is controlled by a program. derstand what is classed as a g a key, speaking into a microgle to identify what the outp	phone etc		Skills 4 Bradford CS8, CS9 Book Creator Scratch Junior Project Evolve – online safety materials Curriculum Innovation –
Summer 2 Media	create, organise, store, manipulate and retrieve digital content.	images.	how to edit photos Children will add	photos?	way we see a picture.	Filters Frame		Skills 4 Bradford MM7, MM8, MM9
			filters to					Ipads

		Create, capture,	emphasise different	Possible Misconceptions:	
		review and edit	emotions to photos		Seesaw
	l l	digital content.	·		
			Children will use		Project Evolve – online
		Create on-screen	technology to record		safety materials
	l I	animations to	noun phrases over		
		illustrate a concept.	images they are		
			given and save as a		
			video.		
			Children will was		
			Children will use		
			technology to record noun phrases over		
			images they have		
			taken themselves.		
			taken themselves.		
			Children will create		
			on screen		
			animations to		
			illustrate seasonal		
			change.		
Oracy	Discussion- Can you talk to stranger	rs online?			
opportunities					
for summer					
term					

Year 3

Theme	National Curriculum	Progression in Skills	Disciplinary Knowledge	Substantive knowledge		Drivers & 50 things	British Values & Protective	Schemes/Resources/ Texts	
				Key Questions	Key Facts	Key Vocab		Characteristics	
Autumn 1	Design, write and debug programs that accomplish specific	Understand that all computers allow data to be input, processed and	Children will learn that computers work using an Input-Process—	What is a computer? How do different	An input device sends information into a computer	Input Process Output		STEM visit in class	Curriculum Innovation – Skills 4 Bradford CS10, CS11, CS12, CS13
Science	goals, including controlling or simulating physical systems; solve	Understand all computer systems need programs /	Output sequence and then identify devices that are used for inputs and	devices work?	and an output device sends information out from a computer.	Hardware Software			Scratch Junior or Scratch Project Evolve – online safety materials
	problems by decomposing them into	software to work.	outputs.		nom a compater.				Troject Evolve Online surety materials
	smaller parts Use sequence,	Decompose and sequence a range of algorithms & programs.	Children will discuss and describe the positive and						
	selection, and repetition in programs; work with variables and	Create and refine programs that use simple inputs and output to control events.	negative impacts of using digital technology on a balanced lifestyle.						

		1	T	T			
	various forms of input			Possible Misconce	ptions:		
	and output		Children will create an				
			algorithm to explain	Children might stru	iggle to decompose an	algorithm fully and	
	Use logical reasoning to		how an animation	understand which	blocks they need.		
	explain how some		works and then create				
	simple algorithms work		the animation.	Children might code an algorithm without the green flag to			
	and to detect and			start. They need to	know that the green f	lag block is what	
	correct errors in		Children will identify	tells the programm		· ·	
	algorithms and		specific input and		· ·		
	programs		output devices such				
	b. e8. ae		before learning				
	Understand computer		several devices have				
	networks including the		inputs and outputs				
	internet; how they can		built				
	•		into them.				
	provide multiple		into them.				
	services, such as the						
	world wide web; and						
	the opportunities they						
	offer for						
	communication and						
	collaboration				1,	l	1,005
Autumn 2	Use search technologies	Follow a process	Children will be	Are there times	When one	cyber attack	NCCE - Computing systems and networks –
	effectively, appreciate		introduced to the	when it is better	computer wants to	connection	Connecting computers
	how results are	Explain what makes a	concepts of input,	to use a non-	send information	network	
Digital	selected and ranked.	secure password	process, and output	digital tool rather	to another	network switch	Project Evolve – online safety teaching
Literacy	Use technology safely,		and how to protect	than a digital	computer, it can	server	materials
Literacy	respectfully and	Recognise similarities	devices using secure	device?	now do so via the	network sockets	
	responsibly; recognise	between using digital	passwords.		network switch.		
	acceptable/unacceptabl	devices and using non-		How can we			
	e behaviour; identify a	digital tools	Children will apply	share information	A Wi-Fi connection		
	range of ways to report		understanding to	effectively	is not an internet		
	concerns about content	Suggest differences	devices and parts of	between	connection; it's just		
	and contact.	between using digital	devices that they will	connections?	a wireless way of		
		devices and using non-	be familiar with from		connecting to a		
		digital tools	their everyday		network.		
			surroundings.	How does a file	Digital device		
		Explain how messages are		travel from one			
		passed through multiple	Children will compare	computer to	Digital devices		
		connections	and contrast using	another?	are all forms of		
			digital devices and		information		
		Recognise that a computer	non-digital tools.				
		network is made up of a			technology, and		
		number of devices	Children will learn		their purpose is		
			how and why		to help us to		
			computers are joined		complete certain		
					tasks.		

	Demonstrate how information can be passed between devices Explain the role of a switch, server, and wireless access point in a network Identify how devices in a network are connected together Children will examine devices' functionality and look at the benefits of networking computers. Children will examine devices' functionality and look at the benefits of networking computers. Children may not realise that from one input there can be several outputs. Children may think that when they save documents to a computer that it will only be on that computer. They need to know if they are logged in to the network with their own username and password, they can access their document form any computer.						
Oracy opportunities for Autumn term							
Spring 1 Media	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	Create and amend a range of texts for a specific purpose. Create and combine visual media to meet a specific need.	Children will examine newspaper front pages and decompose them to find the elements they use. Children will create their own newspaper front page using the decomposed elements. Children will use cut and paste to sequence some text and use copy and paste to add text to a document to create a newspaper report. Children will break down an instructional	change the font, si Children may not r document is where	know they need to high	cursor flashes on a ey can move the	Curriculum Innovation – Skills 4 Bradford MM11, MM12 Project Evolve – online safety teaching materials

Spring 2 Data Handling	Use technology safely, respectfully and responsibly; recognise acceptable/unacceptabl e behaviour; identify a range of ways to report concerns about content and contact.	Create simple graphs using ICT to organise, present and understand data. Answer questions in an existing database Be able to search a database using more than one search term.	Children will understand how YES/NO questions are structured and answered. Children will be able to explain why they choose a particular question to split their database. Children will learn how to create a branching database. Children will design their own branching database. Children will create their own branching database.	to be sorted instea	Branching databases are used to classify groups of objects. ptions: ak every question related of the ones it breaks has been answered.	-	Careers/ ST visit	Purple Mash Unit 3.6 Branching Databases Project Evolve – online safety teaching materials
Oracy opportunities for spring term								
Summer 1 Computer Science	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts Use sequence, selection, and repetition in programs; work with variables and various forms of input and output Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in	Understand and use the concept of repetition to write more efficient code.	Children will explore how Scratch works and compare it to Scratch Junior. Children will design algorithms to draw patterns made of simple shapes. Children will write a Scratch program to draw their shapes using repetition. Children will animate characters in Scratch using forever loops and count controlled loops (repeat x times) to create 2D shapes.	What is the difference between 'repeat forever' and 'repeat until'? Possible Misconce	Repeats are also known as loops.	Repetition Loop Flowchart		Barefoot computing Resources: Tinkering Activity Shapes and Crystal Flowers Innovation Centre – Skills 4 Bradford CS14 Scratch Project Evolve – online safety materials

	algorithms and programs		Children will examine examples of art that use repetition and use their understanding to create their own examples.						
Summer 2	Select, use and combine a variety of software (including	Create audio recordings to meet a specific need.	Children will listen to performance poetry and evaluate it.	What is a 2d plan? What is 3d	A 2d plan is called a plan view or a bird's eye view.	Clip Copyright Resize			riculum Innovation – Skills 4 Bradford l13, MM14, MM15
Media	internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	Create, edit and annotate a range of 2D images. Combine digital content from different sources using appropriate layout.	Children will perform their own performance poetry and use technology to record their performance. Children will use an online room planning tool to experiment with 2D room design. Children will use software to create a 2D plan.	design? Possible Misconce	3D design software allows us to create objects in 3D such as characters in films and games. Visual media clips do not have to be created in the sequence they might appear in the final visual media production.	Rotate Duplicate			ect Evolve – online safety materials
			Children will learn how to use image editing to create a green screen style picture.						
Oracy opportunities for summer term				,			1	1	

Year 4

Theme	National Curriculum	Progression in	Disciplinary Knowledge	Substantive knowledge		Drivers &	British Values & Protective	Schemes/Resources/	
		Skills		Key Questions	Key Facts	Key Vocab	50 things	Characteristics	Texts
Autumn 1 Computer Science	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts Use sequence, selection, and repetition in programs; work with variables and various forms of input and output	Understand the composition of a range of programs by decomposing them into their key components Understand and apply the concept of selection in their own algorithms and programs Predict what a specific piece of code will do and alter it to achieve a chosen outcome	Children will explore a range of programs and decompose the programs into their key components. Children will learn more about debugging strategies before finding and correcting bugs in existing programs. Children will explore selection (if X happens do Y) in the real world. Children will create flowcharts based on real life events that include examples of selection. Children will learn how to build a simple program that involves selection.	What are the PEGI age ratings for the games you play? Why do we use selection in programming? Possible Misconce	Logical reasoning enables us to analyse things and make predictions. Algorithms and programs can be more complicated and steps don't always appear in a straight line. Sometimes things happen in programs that make events take place. selection ptions:	Selection		STEM visit in class	Curriculum Innovation – Skills 4 Bradford CS15, CS16, CS17 Barefoot computing resources Bug in the Water Scratch Project Evolve – online safety teaching materials
Autumn 2 Digital Literacy	Understand computer networks including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	To describe how networks physically connect to other networks To recognise how networked devices make up the internet To outline how websites can be shared via the World Wide Web (WWW) To describe how content can be added and accessed on the World Wide Web (WWW) To recognise how the content of the WWW	Children will explore how a network can share messages with another network to form the internet. Children will explain how the internet lets us view the World Wide Web and recognise that the World Wide Web is part of the internet which contains websites and web pages. Children will understand what can be shared on the World Wide Web and where websites are stored and how it can be accessed on a variety of devices.	What does WWW stand for? Who owns the web?	There are multiple services which can be accessed using the internet. The internet is connected by many routers.	Internet Network Router Server wireless access point (WAP)			NCCE – The Internet Project Evolve – online safety teaching materials

	I		T					
	Select, use, and	is created by people	Children will consider	Possible Misconce	otions:			
	combine a variety of		what content can be		the sale of the			
	software (including	To evaluate the	added to websites and what factors they should	•	ealise that routers connect	•		
	internet services) on a	consequences of unreliable content	consider before adding	passed on.	through or can block info	ormation being		
	range of digital devices	differiable content	content to a website.	passed on.				
	to design and create a		content to a website.	Physical things can	not be shared online but	pictures of them		
	range of programs,		Children will explore who	can.				
	systems, and content		owns the content on the					
	that accomplish given		World Wide Web and	Everything online is	the truth.			
	goals, including		websites investigating					
	collecting, analysing,		what can and cannot be	Google own the int	ernet - No-one owns the	internet		
	evaluating, and		done with the content on them.					
	presenting data and		them.					
	information							
	Use technology safely,							
	respectfully, and							
	responsibly; recognise							
	acceptable/unacceptabl							
	e behaviour; identify a							
	range of ways to report							
	concerns about content							
	and contact.							
	and contact.							
Oracy	Discussion: computers ca	n replace teachers						
Oracy	, , , , , , , , , , , , , , , , , , , ,	.,						
opportunities								
for Autumn								
for Autumn term								
term	Select, use and combine a	Understand and	Children will examine	How can camera	Digital content is	Long shot		Innovation Centre – Skills 4 Bradford
	variety of software	apply design criteria	examples of good and bad	shots, image	designed to get our	medium shot		Innovation Centre – Skills 4 Bradford MM16, MM17
term Spring 1	variety of software (including internet	apply design criteria to their digital	examples of good and bad poster design to identify	shots, image composition and	designed to get our attention and affect	medium shot close up extreme		MM16, MM17
term	variety of software	apply design criteria	examples of good and bad	shots, image composition and visual effects help	designed to get our attention and affect our opinions.	medium shot		
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of	apply design criteria to their digital content.	examples of good and bad poster design to identify the important elements	shots, image composition and visual effects help to create	designed to get our attention and affect	medium shot close up extreme		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and	apply design criteria to their digital content. Understand how the	examples of good and bad poster design to identify the important elements Children will use the	shots, image composition and visual effects help to create effective still	designed to get our attention and affect our opinions.	medium shot close up extreme		MM16, MM17
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish	apply design criteria to their digital content.	examples of good and bad poster design to identify the important elements	shots, image composition and visual effects help to create	designed to get our attention and affect our opinions.	medium shot close up extreme		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing,	apply design criteria to their digital content. Understand how the composition of visual	examples of good and bad poster design to identify the important elements Children will use the features of a good poster	shots, image composition and visual effects help to create effective still	designed to get our attention and affect our opinions. long shot	medium shot close up extreme		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster.	shots, image composition and visual effects help to create effective still images? Possible Misconce	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing,	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster. Children will learn about	shots, image composition and visual effects help to create effective still images? Possible Misconce	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster. Children will learn about different camera shots	shots, image composition and visual effects help to create effective still images? Possible Misconce Lots of colours and	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster. Children will learn about	shots, image composition and visual effects help to create effective still images? Possible Misconce	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster. Children will learn about different camera shots and practice using them.	shots, image composition and visual effects help to create effective still images? Possible Misconce Lots of colours and	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster. Children will learn about different camera shots and practice using them. Children will create a	shots, image composition and visual effects help to create effective still images? Possible Misconce Lots of colours and	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster. Children will learn about different camera shots and practice using them.	shots, image composition and visual effects help to create effective still images? Possible Misconce Lots of colours and	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster. Children will learn about different camera shots and practice using them. Children will create a short two part sentence	shots, image composition and visual effects help to create effective still images? Possible Misconce Lots of colours and	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster. Children will learn about different camera shots and practice using them. Children will create a short two part sentence and plan how it will be filmed.	shots, image composition and visual effects help to create effective still images? Possible Misconce Lots of colours and	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster. Children will learn about different camera shots and practice using them. Children will create a short two part sentence and plan how it will be filmed. Children will combine the	shots, image composition and visual effects help to create effective still images? Possible Misconce Lots of colours and	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point
term Spring 1	variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting	apply design criteria to their digital content. Understand how the composition of visual media can affect how	examples of good and bad poster design to identify the important elements Children will use the features of a good poster design to design their own poster. Children will learn about different camera shots and practice using them. Children will create a short two part sentence and plan how it will be filmed.	shots, image composition and visual effects help to create effective still images? Possible Misconce Lots of colours and	designed to get our attention and affect our opinions. long shot	medium shot close up extreme close up		MM16, MM17 Power point

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Spring 2	Select, use and combine a variety of software (including	To format cells as currency, percentage, decimal	Children will add a formula to a cell to automatically make a	How would you add a formula so that the cell	A spreadsheet is a computer program that represents	Cells Columns Formula		Careers/ STEM visit	Purple Mash Unit 4.3 Spreadsheets
Data Handling	internet services) on a range of digital devices to design and create a range of programs,	to different decimal places or fraction. To use the formula	Children will use the timer, random number	shows the percentage score for a test?	information in a grid of rows and columns. Cells are individual				
	systems and content that accomplish given goals, including	wizard to calculate averages. To combine tools to	and spin button tools. Children will use a series	Give an example of the data that could be best	sections of a spreadsheet grid. They contain data or				
	collecting, analysing, evaluating and	make spreadsheet	of data in a spreadsheet to create a line graph.	represented by a line graph.	calculations.				
	presenting data and	activities such as		Possible Misconce	ptions:		1		
	information.	timed times tables tests.	Children will make practical use of a spreadsheet to help them						
		To use a spreadsheet to model a real-life	plan actions.						
		situation.	Children will use the totalling tool to calculate						
		To add a formula to a cell to automatically make a calculation in	amounts in a spreadsheet.						
	B'	that cell.							
Oracy opportunities	Discussion: computers m	ake life easier							
for spring									
term									
Summer 1	Use logical reasoning to explain how some simple algorithms work	Design and create programs using selection	Children will follow algorithms which include errors and will use logical	How do you use abstraction? What is a	When you go online the information you access could be	abstraction			Innovation Centre – Skills 4 Bradford CS18
Computer Science	and to detect and correct errors in algorithms and	purposefully	reasoning to detect and correct these.	computer network?	created and stored anywhere in the world on other networks.				Scratch Barefoot computing – 2d shape debugging
	programs Understand computer		Children will design and code a maze game using the skills and knowledge						
	networks including the internet; how they can provide multiple		they have gained so far. Children will decompose a	Possible Misconce	ptions:	1	-		
	services, such as the world wide web; and		maze game, create an algorithm for their game						
	the opportunities they offer for		before finally coding the game.						
							<u> </u>		

	communication and		Children will use selection					
	collaboration		to make a more complex					
			program to demonstrate					
			knowledge.					
					T	T		
Summer 2	Select, use and	Purposefully	Children will learn what a	What is a	Music is often	Slide		Innovation Centre Resources
	combine a variety of	combine a range of	presentation is and its	presentation?	recorded using	Track		MM18, MM19,
	software (including	digital content to	features.	Add at the second of	separate tracks.	Loop		Consideration
Media	internet services) on a	present information to others.	Children will learn how to	What is a multi- track recording?				Garage band
	range of digital devices to design and create a	to others.	insert slides, change	track recordings				
	range of programs,	Create and combine	background colour and					
	systems and content	audio to make a	recap on adding text and					
	that accomplish given	simple musical	pictures.					
	goals, including	composition.	protui esi					
	collecting, analysing,	'	Children will identify how	Possible Misconce	ntions:			
	evaluating and		to present something to					
	presenting data and		an audience effectively.	When presenting,	ook at the presentation a	nd not the		
	information.			audience.	·			
			Children will create a new					
			presentation and present	All slides in a good	presentation can be diffe	rent colours.		
			it to the class.					
			Children will be me heave	Lots of text and pic	tures make a good slide.			
			Children will learn how music is often recorded					
			using separate tracks.					
			asing separate tracks.					
			Children will create their					
			own digital, multi track					
			piece of music.					
Oracy								
opportunities								
for summer								
term								

Year 5

Theme	National Curriculum	Progression in Skills	Disciplinary Knowledge	Sı	ubstantive know	vledge	Drivers &	British Values	Schemes/Resources/
				Key Questions	Key Facts	Key Vocab	50 things	& Protective Characteristics	Texts
Autumn 1 Computer Science	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller part Use sequence, selection, and repetition in programs; work with variables and various forms of input and output	Understand and use variables in algorithms and programs.	Children will learn what variables are and write algorithms to show how variables are linked to selection. Children will explore and modify the code in existing programs and make a virtual pet with Micro:Bits. Children will explore and decompose a program that uses variables. Children will create their own program using variables on a subject of their choice.	What do we use variables for? Possible Miscond	Variables can change.	Variable		STEM visit in class	Innovation Centre – Skills 4 Bradford CS20 - Variables part 1, Make a virtual pet, Designing with variables Scratch Micro:bits Project Evolve – online safety teaching materials
Autumn 2 Digital Literacy	Understand computer networks, including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	To explain that computers can be connected together to form systems To recognise the role of computer systems in our lives To identify how to use a search engine To describe how search engines select results To explain how search results are ranked To recognise why the order of results is important, and to whom	Children will explore how digital systems can work and learn about physical and electronic connections. Children will see how devices and processes are connected, and reflect on how computer systems can help them. Children will explain how to search the web and write and test different instructions. Children will conduct their own searches and break down, in detail, the steps needed to find things on the web and consider why some searches return more results than others. Children will find out about how a webpage's content can influence		onfuse the search	Computer System Crawler Bot n engine and the cated sentences or instead of key words			NCCE – Systems and searching Project Evolve – online safety teaching materials

Oracy opportunities for Autumn term Spring 1 Media	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	Develop an understanding of more complex design criteria and apply them to their digital content Understand how the composition of digital content can evoke emotion and apply this to their own digital content creation Design and create simple 3D models	where it is ranked in search results. Children will explore some of the limitations of searching and discuss what cannot be searched. Children will identify the features of a good radio advert and plan, edit, create their own radio ads. Children will evaluate their own radio ads against an agreed criteria. Children will explore what makes a good persuasive film. Children will plan a storyboard for their persuasive film. Children will make a short persuasive film. Children will learn how to create move resize	What makes a good radio advert? How is 3D technology used in the world?	A good radio advert is short to keep people interested with the voice over matching what they are selling – exciting, dramatic or funny. 3D printing is already used in medicine and engineering.	Voiceover 3D printing		Innovation Centre Resources: MM20, MM21, MM22 Project evolve – online safety teaching resources
			Children will learn how to create, move, resize, rotate, group and align 3D shapes using online software.	Possible Miscon	ceptions:			
Spring 2 Data Handling	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and	To use formulae within a spreadsheet to convert measurements of length and distance. To use the count tool to answer hypotheses about common letters in use. To use a spreadsheet to model a real life problem.	Children will create a formula in a spreadsheet to convert measurements. Children will use the 'how many' tool. Children will use a spreadsheet to solve a real-life problem.	How would you add a formula so that the cell shows the product of two other cells? What would you use to have a cell automatically	Spreadsheets can be used for carrying out investigations .	Rows Columns Formula Formula Bar Totalling tool		Purple Mash – Unit 5.3 Spreadsheets Project Evolve – online learning teaching materials

	presenting data and information	To use formulae to calculate area and perimeter of shapes. To create formulae that use text variables.	Children will create simple formulae that use different variables. Children will use a spreadsheet to model a real-life situation and come up with solutions that can be practically applied.	calculate the number of days since a certain date? Possible Miscond	ceptions:			
Oracy opportunities for spring								
term	Use logical reasoning to	Understand and use	Children will use	What is a real-	Variables can	Initialise		Innovation Centre – Skills 4 Bradford
Summer 1 Computer Science	Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration	Understand and use conditional repetition in algorithms and programs Use two-way selection in algorithms and programs Use a broad range of input and output devices in their programs Understand that a computer system comprises input, process, memory and output Understand how search engines work and use them effectively	Children will use conditional repetition to modify and create games. Children will build their own program using conditional repetition. Children will compare different ways of achieving the goal in programming by comparing two way selection and conditional repetition. Children will create programs using inputs and outputs using Micro:Bits. Children will find out what the different parts inside a computer do and explain this in a presentation. Children will find out how Google search works and collect information on web sites to understand page	What is a real- life algorithm? What are the different ways computers/digi tal devices store data? Possible Miscond	Variables can be combined with repetition commands to control scores, lives, end of program, number of correct answers, etc.	Initialise Memory		Innovation Centre – Skills 4 Bradford CS21, CS22, CS23, CS24, CS25 Micro:bits Project Evolve – online safety teaching materials

Summer 2	Select, use and combine a	Develop an understanding	Children will identify new	What are the	Films/animati	speaker notes	Curriculum Innovation – Skills 4 Bradford
Jannier 2	variety of software	of basic presentation skills	features of presenting	basic features	ons/games	presenter view	MM23, MM24
	(including internet	and apply them when	effectively.	of good	are created	server	
Media	services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	presenting Understand how a range of online spaces and tools can be used to create digital content collaboratively	Children will plan and create their own presentations. Children will record their presentations and upload them. Children will find out about collaborative, online tools. Children will experiment with a collaborative jigsaw puzzle tool. Children will work in groups to create a comic strip sharing information.	presentation design? Possible Miscon	by several teams often working in different geographical locations.	real time	Project Evolve – online safety teaching materials
Oracy							
opportunities							
for summer							
term							

Year 6

Theme	National Curriculum	Progression in Skills	Disciplinary Knowledge	Substantive knowledge			Drivers & 50 things	British Values & Protective	Schemes/Resources/ Texts
				Key Questions	Key Facts	Key Vocab		Characteristics	
Autumn 1 Computer Science	Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for	output to create a program using a physical device Understand the difference between the	Children will learn how to use the Micro:Bit as a light level sensor using selection and variable to display different messages according to the light levels.	What is the difference between the internet and the WWW? What is packet switching?	Packet switching is a system that breaks the data that is transferred into smaller pieces like a jigsaw puzzle.	Encryption URL			Innovation Centre - Skills 4 Bradford CS28, CS29
	communication and collaboration	internet and the world wide web and how data is transferred across the Internet	Children will learn the basics of how the internet works using packet switching creating a physical representation of the Internet and packet switching.		tions: he internet is an actual place collected from and stored ce				

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			Children will learn what the actual physical internet looks like and how information is sent. Children will choose a resource to share information with others.					
Autumn 2 golT	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and	Understand the varying roles computer scientists can play in industry. Apply understanding of	Identifying jobs that use Computer Science Understanding the different steps of design thinking	What are the different steps of design thinking?	People use design thinking to solve everyday problems. Artificial Intelligence (AI) is the process	Design thinker Iterative Empathy Stakeholder ideate	50 things: Invent something	goIT STEM planning Teachable Machine Sustainable Development Goals
	create a range of programs, systems and content that accomplish given goals, including	the Design Thinking Model to adjust real- world product life cycles.	Learn the concept of classification through the use of Teachable Machine.	Al do to make today's jobs easier?	giving computers the ability to do the same tasks humans can.			
	collecting, analysing, evaluating and presenting data and information.	Communicate basic concepts of Artificial Id Intelligence and Machine Learning.	Identify ways that the technology could solve the defined problem.	Children might think that only people who use computers in their job need use computer science. Children might think AI can make decisions on its own instead of				
	Design, create, evaluate and amend a program to meet a design brief.	Work in groups to ideate a technological solution to an identified problem. Communicate how to train and develop their own machine learning tool by classification.	Train and apply a prototype to solve realworld problems. Design and deliver a presentation	being programme learns.	ed to teach the intelliger	nce which is how it		
		Understand and communicate the importance of testing and training data.						
		Understand and apply the concept of storyboarding to design a classification tool.						
		Purposefully design and create their own digital content based on their design knowledge and the needs of an audience.						

Oracy opportunities for Autumn term Spring 1 Digital Literacy	Discussion about what a How does AI make life e Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration	Describe how	Children will explore what is necessary for effective communication and the importance of agreed protocols. Children will gain an understanding of the key parts of a packet: the header and the data	What can be transferred on the internet (other than messages in text)?	When computers send messages, they have the address they're sending to and the one it's coming from. Packets are used because they break large volumes of data into small chunks	Internet Protocol (IP) address Domain Name Server (DNS) Data Packet data payload		NCCE - Computing systems and networks - Communication and collaboration Project Evolve – online safety teaching materials
	Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content				large volumes of data into small chunks, making them easier to send across networks.			

Spring 2 Select, us and communication to a particular purposes. Data have present that accompling free equal training and compared that and information in formation. Spring 2 Select, us and content that accompling free equal training and content that accompling free equal training and content that accompling free equal training and presenting data and information. Spring 2 Select, us and content that accompling free equal training and content that accompling free equal training and presenting data and information. Spring 2 Select, us and content that accompling free equal training and content that accompling free equal training and content that accompling free equal training and presenting data and information. Spring 2 Select, us and content that accompling free equal training and the selection of the sele		Ī	le i i i	1.6.				
To use a spreadsheet to model and prosenting data and information To use a spreadsheet to model and presenting data and information To use a spreadsheet to model and presenting data and information To use a spreadsheet to model and presenting data and information To use a spreadsheet to model and wisting morely donated to charity. To use a spreadsheet to model and some and the effect of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information To use a spreadsheet to model and some up with solutions. To use a spreadsheet to model and so			effective collaboration Choose methods of communication to suit particular purposes Explain how to report inappropriate content	Children will evaluate which methods of communication suit particular purposes. Children will explore issues around privacy, information security and reporting of	Possible Miscond	reptions:		
opportunities for spring	Spring 2 Data Handling	combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and	to investigate probability To use a spreadsheet to calculate the discount and final prices in a sale. To use a spreadsheet to plan how to spend money and the effect of saving money. To use a spreadsheet to plan a charity day to maximise the money	spreadsheet to answer a mathematical question relating to probability. Children will use formula wizard to create formulae. Children will use a spreadsheet to model a real-life situation and come up with solutions. Children will use a spreadsheet to model a real-life situation and come up with solutions that can be applied to	add a formula so that the cell shows the total of a column of cells? What is a computational model and what it can be used for?	the formula wizard advanced total tool or type a formula into the cell by using the '=' symbol, mathematical operators and cell references. Modelling in Computing means creating or using a simulation (a model) of a real-life situation, on a computer. It represents the data of a situation.		Project Evolve – online learning teaching
	Oracy opportunities for spring							
	term							

Summer 1 Computer Science	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts Use sequence, selection, and	Design, create, evaluate and amend a program to meet a design brief	Children will explore different arcade games. Children will learn about abstraction. Children will design their own arcade game. Children will choose which video tutorials will support them best in creating their arcade	What are arcade games? What are the features of arcade games?	An arcade game is a computer game that is often played in amusement arcades.		Innovation Centre – Skills 4 Bradford Lots of videos on Skill 4 Bradford site under the Game Maker's Toolkit heading CS27 Game Makers Toolkit
	repetition in programs; work with variables and various forms of input and output Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs		Children will create their designed arcade game. Children will evaluate their arcade games against an agreed criteria.	Possible Miscond			
Summer 2 Media	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	Purposefully design and create their own digital content based on their design knowledge and the needs of an audience.	Children will recap on all the media used over the years. Children will consider, plan and practise embedding content. Children will plan each page of their information book. Children will add all the pages, text and images into Book Creator.	How do you embed content into a digital book? Possible Miscone	It is possible to combine several pieces of media into one.		Innovation Centre – Skills 4 Bradford MM28 Book Creator, PowerPoint or google slides
Oracy opportunities for summer term			Children will add content to their books. Children will evaluate their books against an agreed criteria.				