ICT- Branchir	ıg dat	abases							Class 3	
Previous knowledge										
		uild a sequence of mands.					To use commands to create a piece of music.		To edit and improve a sequence.	
Key Vocabulary	· · · · ·		1			r				
attributes be used to d		r a phrase that can o describe an object ts colour, size, or	data		Information which is recorded as numbers, words or pictures.		database		A way of storing data so that it can be compared and used.	
organise	To arran groups.	arrange in order or into oups.		ort	To separate into arouns		branching database	i	A collection of data organised nto a tree structure using yes/no or true/false questions.	
Key knowledge										
that is organised in such a way that it can be searched and do		<b>used to sort object</b> <b>database</b> based on	Yes or no questions can be used to sort objects in a database based on their attributes or properties.		Questions which will sort objects need to identify their attributes.		A branching database is collection of data organised into o tree structure using yes/no or true/false questions.			
The questions in a branching database need to be ordered carefully so that they split objects into similarly sized groups.		databases are used	In real-life, branching databases are used to identify objects e.g., minibeasts		<b>Branching databases</b> can also be used to diagnose health problems.			Branching databases can also be used to see which children are absent from school.		
Next steps					l					
To use text and images to communicate. To change the impact of text by altering its font, size and colour.			To use landscape and portrait orientation.		To use placeholders.			To edit a template.		

ICT- C	creating m	edia Desktop p	ubl	ishing			Class 3		
Previous kr	ıowledge								
To recognise text and images.To know how digital images can be created.				To be able to edi images.	t digital	To be able to save my work to My Work folder.	To be able to open my work from My Work.		
Previous kr									
text	Data in the form	of words.	tomplatos			mplate is a document that has already been laid out in a certain y. It might have columns for text, or spaces for pictures or text.			
images	A picture, drawin	ıg or photograph.	orie	ntation	The way th	nat a document is positioned.			
edit	To change text o	n a computer.	plac	ceholders	Placeholders are boxes that hold the place of text or images that you are going to add to your document.				
font	A style of text.		desktop publishing A way of c			creating documents that include both text and images.			
Key Knowled	ige								
separately or together to communicate messages. colours of text alter its impact   Images can be added in different ways to a document. Copyright free added to a pull		The font style, size and colours of text can be edite alter its impact.	ed to	A page can be orien two ways: landscape portrait.	ntated in	Placeholders are boxes that hold the place of text and images to be added to a document.	Templates can be helpful because they give you different page layouts to choose from. They either come with software, or you can make your own.		
		Copyright free images can added to a publication usi http://www.pixabay.com		The layout of a do affects the meanin impact on the read	ig and	Desktop publishing is a way of creating documents using page layout software. It was originally called desktop publishing because people used desktop computers to create their documents.	To make comparisons between handwritten and word-processed documents.		
Next step	)S	l		l		l	l		
To identify the tolls which have been used to make changes to an image. To alter the composition of an image in different ways independently.			in m	lways use copyright 1y work. To cite imag not copyright free.		To be able to retouch an image positively and negatively.	To recognise fake images. To combine parts of images to create new images.		

ICT- C	omputi	ng	Systems an	d ne	etw	orks						Class 3	
Previous kn	owledge												
How to use	How to use IT safely Where IT is used in real lij				life What a barcode is			e is	What a scanner does			What information I can share safely	
Key Voca	bulary												
computer	nputer A way that computers receive data e.g. keyboard, mouse, touch, sensors etc				con	A link between di devices.			packet th		the c	Small parts of the messages that he digital devices are sharing. lata can be text, pictures, sound.	
output	A response made by computers to the user e.g. audio, visual, motion.				inte	ernet	A n	etwork of compu	network switch		vice that enables many devices network to be connected.		
wireless access point	A device connected to a wired network via a wire. It sends and receives wireless signals for and from devices with wireless connectivity network.				net	work		o or more compu ned together.	server	A pl	A place to store computer files.		
Previous kn	owledge										1		
inputs and produce actions or steps which key outputs. achieve a goal. mic		Input devices included keyboards, mouse, microphones, button o a pedestrian crossing.		n	Output devices included speakers, monitors, printers, traffic lights.		Digital devices help us complete tasks. Often, they make tasks easier and faster.		connected together to				
device that allows many computers to beinformation to another computer on the network using a network switch.ainformation to another computer on the network using a network switch.information to another information to another 		Many networks contain a server which is an important computer th stores files and manag the network.		hat	network are not connected by wires but		Wireless devices connect to the network through a WAP- wireless access point which connect them to the network switch.		h a connects to the internet through a router which hem has a connection to the				
Next step	S	L		l.				L		1			
What sensors are What an I.P. address is			s is	How information can over the internet				t How people can work collaboratively on documents.			What a remix is.		

ICT– Prog	jramming	J A Sequencii	ıg sounds					Class 3		
Previous knowle	edge									
How to program	ı a Beebot.	How to sequence instructions accurately.	How to open a hyperl	ink.	k. How to save my work.			How to use the mouse pad accurately.		
Key Vocabulary	l									
blocks A command which controls the sprite.					A	set of instructions or alg	that are given to the computer.			
commands	An instructior	ı for the computer.		Scratch	Scratch A drag and drop programmin			ig environment.		
sprites		raphics object (2 dimensi o a larger scene.	onal bitmap) that is	sequence	2 A	A pattern or process in which one thing follows another.				
backdrop	The appearan	ce of the stage.		algorithr	m	A precise set of ordered instructions, or rules for performing a task.				
Key Knowledge	I									
Scratch is a pro- environment wh backdrops, prog programming an the sprite.	ich contains sp ramming blocks	rites, blocks. s,	Commands in Scratch are represented a blocks.			have 3 attributes an be changed- code, es and sounds.	Motion blocks are used to program the movement of the sprite.			
Event blocks sto are combined to		nce. A chord is crea	Ordered commands make sequences of not A chord is created when certain notes ar played at the same time.					Sprites, costumes and backdrops can be combined to create a piano on Scratch. You can look at the code blocks and predict what will happen.		
Next steps										
To explain the between an even action.		To move a sprite in 4 directions.	To use a programm	ing extens	extension. To build complex seq of commands.		iences	To make and justify design choices.		

ICT- Programming BEvents and Actions in programsYear 3											
Previous knowledge											
			ommand is an on for the r.	What a sprite looks lil		What a motion block looks like.		How to build a simple sequence in Scratch.			
Key Vocabulary		1									
blocks	A	comman	d which controls	the sprite. <b>event</b>			An action	that the	program takes.		
sequence	A pattern or process in which one thing follows another.					ut	Information that a computer sends.				
sprites	A computer graphics object (2 dimensional bitmap) that is integrated into a larger scene					thm	A set of step-by-step instructions given to the co		ons given to the computer.		
programming	Making a set of instructions for the computer to follow.					ut 1	Information given to the computer through the mouse or keyboard.				
Key Knowledge											
Scratch is a programming environment which contains sprites, backdrops, programming blocks, programming area and a stage with the sprite.			In Scratch we position we we	-	Events			The mouse and the keyboard can be used to start event blocks.			
The pencil sprite will draw lines. Pen down enables you to draw lines. Pen up stops the sprite drawing lines.			The pencil sprite is an extension you can add onto Scratch.			Algorith debugg	nms must be tested and ed.	To debug you might need to add, change or remove blocks.			
Next steps											
Repetition is an or task that once is performed ago	e completed,		ers need correctly ed instructions.	How to use Logo.			How to use repetition in work.		How to remix a project.		

ICT- Creating media Stop frame animation									Class 3	
Previous knowl	edge									
To identify changes which To alter can be made to an image. compo image			r the sition of an	To always use copyright free i in my work.	mages To be able to retouch an image.			n	To recognise fake images.	
Key Vocabuları	J									
animation A sequence of drawings or photographs						stent	Staying the sa	Staying the same over a period of time.		
images	A picture, dro	ıwing or	photograph.		transition The way that			one frame from changes to another.		
frame	The pictures taken to make an animation are called frames.					onion Shows the pre- skinning where to draw		vious frame faintly to help you see		
stop frame animationAn animated filmmaking technique where objects are moved in very small amounts between individual photograph frames.					storyboard A sequence of draw planned for a film of				vings which represent the shots or tv production	
Key Knowledge										
drawings or photographs. she			short film from a series of pictures or			make stop frame sanimations.			Onion skinning helps to make small changes between frames. The iMotion app has an onion skimming feature.	
Some things- like the background or position of the figures- must be kept consistent in the animation. The camera should be still.			p			Text, music and transitions can be added to an animation.		Animations can be evaluated and improved. Unwanted objects in the frame can be removed.		
Next steps								<u> </u>		
moving pictures that can production using a devices the			To recognise some of the dig devices that can capture vic using a camera.			a recording device computer to make a		To apply effects to a section of video.		