

Year 1						
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
NCCCE Unit 1	NCCE Unit 3	NCCE unit 4	NCCE Unit 6	NCCE unit 5 creating	NCCE unit 2. Creating	
Technology around us	Programming A -	data and information	Programming B -	media digital writing	media – Digital painting	
Learners will develop	Moving a robot	This unit introduces	Introduction to	Learners will develop	Learners will develop	
their understanding of	Learners are introduced	learners to data and	animation	their understanding of	their understanding of a	
technology and how it	early programming	information.	Learners are introduced	the various aspects of	range of tools used for	
can help them in their	concepts		to on screen	using a computer to	digital painting.	
everyday lives.			programming through	create and manipulate		
			ScratchJr	text.		



Year 2						
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
NCCE Unit 1	NCCE Unit 3	NCCE Unit 4	NCCE Unit 6	NCCE Unit	NCCE Unit 5 - Creating	
Computing systems &	<u>Programming A – Robot</u>	Data and information –	Programming B -	Creating media -	media - Digital music	
<u>networks -</u>	<u>algorithms</u>	<u>Pictograms</u>	programming quizzes	Digital photography	Learners will be using a	
IT around us	Develops learners'	Learners will begin to	initially recaps on	Recognise that different	computer to create	
Learners will look at	understanding of	understand what the	learning from the Year 1	devices can be used to	music. They will listen to	
information technology	instructions in	term data means and	ScratchJr unit	capture photographs	a variety of pieces of	
at school and beyond, in	sequences and the use	how data can be	'Programming B –	and will gain experience	music and consider how	
settings such as shops,	of logical reasoning to	collected in the form of	Programming	capturing, editing, and	music can make them	
hospitals, and libraries	predict outcomes.	a tally chart.	animations'.	improving photos	think and feel. Learners	
			Learners begin to		will compare creating	
			understand that		music digitally and	
			sequences of commands		non-digitally. Learners	
			have an outcome, and		will look at patterns and	
			make predictions based		purposefully create	
			on their learning.		music.	



Year 3						
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
NCCE Unit Computing	NCCE Unit	NCCE Unit	NCCE Unit	NCCE Unit - Creating	NCCE Unit -	
systems and networks –	Creating media -Stop	Programming A -	Data & information	media – Desktop	<u>Programming B - Events</u>	
Connecting computers	- Frame- Animation	Sequence in music	-Branching databases	publishing	and actions in programs	
Learners will develop	Learners will use a	Learners begin to learn	Learners develop their	Learners will become	Learners will begin by	
their understanding of	range of techniques	the concept of	understanding of what a	familiar with the terms	moving a sprite in four	
digital devices, with an	to create a stop	sequencing in	branching database is and	'text' and 'images' and	directions (up, down, left	
initial focus on inputs,	frame animation	programming through	how to create one	understand that they can	and right).	
processes, and outputs.	using iPads	Scratch		be used to communicate		
				messages.		



Year 4						
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
NCCE Unit Computing systems & networks -The internet Learners will apply their knowledge and understanding of networks, to appreciate the internet as a network of networks which need to be kept secure.	NCCE Unit Creating media -Audio production Learners will identify the input device (microphone) and output devices (speaker or headphones) required to work with sound digitally.	NCCE Unit - Programming A - Repetition in shapes Learners will create programs by planning, modifying, and testing commands to create shapes and patterns.	NCCE Unit - Data and information - Data logging Learners will consider how and why data is collected over time. Learners will consider the senses that humans use to experience the environment.	MCCE Unit Creating media -Photo editing How digital images can be changed and edited, and how they can then be resaved and reused	NCCE Unit - Programming B - Repetition in games Learners will explore the concept of repetition in programming using the Scratch environment.	



Year 5						
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
NCCE Unit Computing	NCCE Unit Creating	NCCE Unit	NCCE Unit Creating	NCCE Unit	NCCE Unit Programming	
systems and networks -	media -	Data & information	<u>media - Video</u>	Programming A –	B - Events and actions in	
Systems and searching	Vector drawing	-Flat-file databases	production	Selection in physical	<u>programs</u>	
Learners develop their		How a flat-file database	This unit gives learners	computing	This unit explores the	
understanding of	Introduction to vector	can be used to organise	the opportunity to learn	In this unit, learners will	links between events	
computer systems and	drawings and how they	data in records	how to create short	use physical computing	and actions, whilst	
how information is	are made of shapes		videos in groups. As	to explore the concept	consolidating prior	
transferred between			they progress through	of selection in	learning relating to	
systems and devices.			this unit, they will be	programming through	sequencing.	
			exposed to topic-based	the use of the Crumble		
			language and develop	programming		
			the skills of capturing,	environment.		
			editing, and			
			manipulating video.			



Year 6							
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
NCCE Unit: Computing systems and networks- Communication and collaboration		NCCE Unit Creating media -Web page creation Creating a website for a chosen purpose		NCCE Unit: Programming B- Sensing movement			
NCCE Unit Creating media -3D modelling Using a computer to produce 3D models		NCCE Unit Programming A -Variables in Games Introduction to the concept of variables in programming through games in Scratch		NCCE Unit: Data and information- Introduction to spreadsheets.			