Key Stage 3 Program of study 2022-2023

	Year 7	Year 8	Year 9
	Introduction to network	Working practices	Working practices
Autumn 1	Login and introduction to network	E-safety, get familiar with any changes to school systems	E-safety, get familiar with any changes to school systems
	Email		
	Go4schools	Spreadsheets	Spreadsheets
	Acceptable Use Policy	Cell referencing	Cover the content of the
	Access to cloud and online	Formatting	European Computing Driving Licence (ECDL)
	school resources	Sorting	(Assessment 1)
	Baseline test (Assessment 1)	Formulas	(A33C33IIICIII 1)
	E-safety – Create poster	Functions	
	Research skills	Charts	
		More drill activities	
	Bebras computational	Exam (Assessment 1)	Bebras computational
	thinking challenge (Assessment 2)		thinking challenge (Assessment 2)
	(133333716711 <u>2</u>)	Bebras computational thinking	(100000 / 100 m = /
	History of computing	challenge (Assessment 2)	Python programming
Autumn 2	Research, create, plan and		Review topics covered in year
	evaluate a presentation on	Databases	8 and cover iteration and
	the history of computing	Data types, characteristics of database tables, simple SQL	apply techniques to solving
	(Assessment 3)	queries	problems
			Assessment
		1-2 lessons, find database with	Assessment
		queries, datatypes	

		Hardware and Software	Flowol	Algorithms and data
Spring 1	1 Silling	Includes Inputs, processing and Outputs Create a brochure using desk top publishing (Assessment 3)	Assesment	representation Binary-denary conversion Character coding Encryption – Caesar Bitmap graphics Vector graphics Sound Fetch execute cycle Boolean logic gates Searching algorithms Sorting algorithms
		Sequencing	Animation	ВУОВ
Spring 2	2 8 6	Use Flowol to create flowcharts for control various systems from traffic lights to more complex control systems	Create 2D animations and use techniques such as layering, shape and motion tweening	Design and create a game in BYOB
		Logo Programming	Websites	Product launch using
Summer 1	1	Draw shapes by programming a turtle to introduce some of the basic concepts of coding including sequencing and iteration. Assessment	Creating websites using HTML and CSS Move on to dreamweaver, planning Assessment	multimedia –image editing - poster Film advert
		Block based coding in	Advertising campaign using	
Summer 2	N 150	Scratch Continue to develop coding and introducing additional concepts like assignment, selection and concurrency.	multimedia Pupils can use a variety of multimedia to advertise a product – making a radio advert Multimedia video – ipads, tying shoe laces, working in groups. Planning and shooting a film, with homework.	