KEY STAGE 3 CURRICULUM OVERVIEW		
	YEAR 7	YEAR 8
TERM 1	Identify school ICT policy	Range of different developments
	Health and Safety	Timeline of developments
	Working sfely online	Social impact of developments
TERM 2	Input and output devices	Nibble, byte, kbyte, mbyte, gbyte, tbyte
	Storage devices	Analogue and digital devices
	Processor speed, Hz, MHz, GHz	Binary to denary/denary to binary
	Hardware and software	ASCII code
		How images are presented
TERM 3	Organise save and open document	Use functions in excel: sum, min, max, averages for a range of cells
	Use simple formulae to make calculations: +,*./,-	Test formulas and functions for errors
	Apply appropriate formatting	If statement
	Use filter	Absolute and relative cell refencing
		How to use count function: Count, CountA, Countif
TERM 4	alternative algorithms for the same problem	Identify current use of database
	Decomposition	Primary key, field, record, different data types
	Pattern recognition	Create flat file database
	Abstraction	Add records, create forms, parameter queries
	Algorithm	Generating reports

KEY STAGE 3 CURRICULUM OVERVIEW	
YEAR 7	YEAR 8
TERM 5 Understanding scratch, block palette and movement	Describe what control system are
Create sprite and write code to make sprite move	Flowol and flochart symbols
Use ariables to hold number	Control system - traffic light
Understand the purpose of comments in program	Use a sensor input to turn on/off motors and lights
Annotate a program with comments	Use flowchart to control one side of a car park barrier which uses sensor
Ramdomissing the behaviour of sprite	Purpose of sub-routines in complex control systems
Understand the use of operators	Understand how large and complex control systems are slipt into manageable "chunks"
TERM 6 To understand key features of flash	Understand python as a programming language
Create frame by frame animation	Expression and variables, their use in programming
Create animation with tween	Key data types use in python
Understand how to use scene when making animation	Use the IDLE editor to save program
Use frame by frame animation together with tween	IF statement and indentation in python
Develop effective storyboard when creating animation	Benefits of a function, write and call a function
	understand why and how we use comments when coding

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