Unit: 1	TBQ	Key Vocabulary	Key Questions	Feedback Opportunities	Assessments
TBQ - How might your digital footprint affect you in later life? **Key Knowledge** password strength and security, how to keep safe online, how to keep work safe and organised Recognise acceptable/unacceptable behaviour. Know a range of reporting methods for unacceptable online behaviour. Know how to report concerns about unacceptable online behaviour. basic inputs and output use of sequences in instructions, use of inputs and outputs, debug and fix simple errors basic testing,. What went well	How could you protect your identity online?	Password	what makes a strong password	Whole class teacher assessment	in class teacher assessment using knowledge and skills route statements. In class peer assessment using route statements.
	How can you stay safe online?	reporting methods	why should you keep you work organised	individual verbal feedback during lessons	
	What precautions could you take?	unacceptable behaviour	how could you recognise unsuitable behaviour online?	peer assessment on final coding =testing	
	What to do if something goes wrong?	inputs	why is it important to plan		
	How long does your information stay online?	outputs	how can you report problems online		
	How do you keep your personal information safe?	debug	why should you test a program		
	What do companies do with your online data?	sequence	what are inputs and outputs		
	Can you ever really delete yourself from the internet?	project planning	how do you test a program		
	Is a password ever strong?	E-safety	what does a plan look like for a program		
		Security			
		Personal Safety			

Unit: 2	TBQ	Key Vocabulary	Key Questions	Feedback Opportunities	Assessments
TBQ - how might you control what goes on the internet about you? **Key Knowledge** IT legislation and its effects on you how to build a webpage	What data is stored about you?	Website	what would you expect to see on a webpage	Whole class feedback	final webpage /webpages assessed against route descriptors for knowledge and skills.
	What are the main IT laws that affect you?	webpage	why is the layout of a webpage important	questioning in lessons	
	What are the main features of a webpage?	Data	what makes a good webpage	individual verbal feedback during lessons	
	what is copyright	Button	why do so many people break the law		
		Law	what data is held on you		
		Data protection act	what rights do you have		
		Security			
		Copyright			
		HTML			

Unit: 3	TBQ	Key Vocabulary	Key Questions	Feedback Opportunities	Assessments
TBQ - how might a computer communicate? **Key Knowledge** what is Binary how to add binary numbers spell check and proof reading margins, bullets, fonts and page setup	why do computers use 1's and 0'	Binary	How do computers talk to each other?	Whole class feedback	final poster explaining how to add binary with examples against route descriptors for knowledge and skills
	how do you add binary numbers	Denary	What is the difference between denary and binary?	questioning in lessons	
	what should a poster look like	Proof read	how do you get information over in one page	individual verbal feedback during lessons	
		Margin			
		Font			
		Orientation			

Unit: 4	TBQ	Key Vocabulary	Key Questions	Feedback Opportunities	Assessments
TBQ - How might computers work in the future? **Key Knowledge** hardware and software input and output devices files sizes, Mb, GB types of storage device PP templates slide transitions slide animations use of images	what is inside a computer	hardware	what are the key components inside a computer	Whole class feedback	presentation about hardware and software etc. against route descriptors for knowledge and skills
	what do you need to make a computer work	software	what devices do you need to input and output information	questioning in lessons	
	what is the difference between a Bit and a Byte	input and output (different to unit 1)	how is your internet speed measured	individual verbal feedback during lessons	
	how do you present information to people easily	storage	what makes a good presentation		
	what types of storage might you use and why	Bit, Byte, Megabyte gigabyte etc.	what are different storage devices used for		
		template			
		transition			
		USB, SSD, IDE			

Unit: 5	TBQ	Key Vocabulary	Key Questions	Feedback Opportunities	Assessments
TBQ - why do computer use algorithms? **Key Knowledge** create a simple text based program search algorithms and flow charts symbols	what is a flow chart	algorithm	how does a computer search for information	Whole class feedback	code that shows a simple search algorithm against route descriptors for knowledge and skills
	how do computers follow instructions	flow chart	how do you teach a computer to think	questioning in lessons	
	how does an internet search work	search		individual verbal feedback during lessons	
		Boolean logic			

Unit: 6	TBQ	Key Vocabulary	Key Questions	Feedback Opportunities	Assessments
TBQ - why might you want to collect information? **Key Knowledge** what is data and information types of questions Data Types, records, fields, tables, forms and primary keys	what is data and information	data	how do you collect the data	Whole class feedback	questionnaire questions to collect the data showing different data types collected. Database built to store data with a data collection form. Measured against route descriptors for knowledge and skills
	how could you collect data in a questionnaire	information	how do you build a database	questioning in lessons	
	how do you set up a data collection form	record	why is a primary key important	individual verbal feedback during lessons	
	how do you set up a database	field	what is the best way to ask a question		
		form	what are the main types of data		
		primary key			
		questionnaire			

Unit: 7	TBQ	Key Vocabulary	Key Questions	Feedback Opportunities	Assessments
TBQ - why might you use a computeer to model real life **Key Knowledge** how to send and receive emails how to enter data into a spreadsheet	what is a spreadsheet model	formula	how do you enter data into a spreadsheet	Whole class feedback	created spreadsheet model with charts and final email measured against route descriptors for knowledge and skills
	how do you do basic maths	cell	how do you format the data to make it easy to understand	questioning in lessons	
	how do you make it easier to read for others	row column	how do you do basic calculations	individual verbal feedback during lessons	

how to enter data into a spreadsheet use basic formattting basic formulae basic charts	how do you do bar and pie charts	pie chart bar chart	how do you create and format a bar and pie chart	
	how could you share your results with others easily	border	how do you send and receive emails	
		send		
		receive		
		forward		