Subject: Computing





Half Term	1	2		3&4	5	6
Topic:	What are computers?	Bebras	Sp	readsheets	BYOB-Essentials	BYOB- Into Practise
Summative	End of Topic Test:	The Bebras Challenge:	Teac	her assessed:	End of topic test:	Teacher Assessed:
Assessment		this external online				
Summary:	Short test at the end	test gives students'	Stuc	dents create a	Answer questions on	Students create a
	of the unit around	problem-solving	wor	king stadium	computational	project of their own,
	what computers are,	abilities, using several	model	for a Quidditch	techniques they have	creating a game using
	convergence,	computational	pitch,	using skills and	used to create simple	BYOB, demonstrating
	networks and staying	thinking techniques.	t	ools learnt	programs in BYOB	their understanding of
	safe online.	Results are released	throu	ghout the unit.	software.	coding using the
		after around 4 weeks.				software.
		Very good indicator of				
		how the student will				
		progress at KS4				

Year Group: 8

Half Term	1	2	3	4	5	6
Topic:	App Lab	Bebras	Data	Algorithms	Micro-Python	
			Representation			
Summative	Teacher assessed:	The Bebras Challenge:	End of Topic Test:	Teacher assessed:	Teacher Assessed:	
Assessment	Students create their	this external online				
Summary:	own Phone App	test gives students'	Questions about how	Creating a PowerPoint	Students complete a	
	project using the skills	problem-solving	images, text and	with animations to	project, creating a	
	they have learnt	abilities, using several	sound are converted	show their	Python program to	
	throughout the unit.	computational	into digital 0s and1s	understanding of how	run on a MicroBit,	
		thinking techniques.	and stored on media.	the key searching and	documenting using a	
		Results are released				

after around 4 weeks.	sorting algorithms	PowerPoint	
Very good indicator of	work.	slideshow.	
how the student will			
progress at KS4			

Year Group: 9

Half Term	1	2	3	4	5	6
Topic:	Blender	Bebras	Python 101	Boolean Logic	Cyber Security	
Summative	Teacher Assessed:	The Bebras Challenge:	End of topic Test:	Teacher Assessed:	Teacher Assessed:	
Assessment		this external online				
Summary:	3D Animation Project. Students are given a short brief and must design a 3D animation using the skills they have learnt.	test gives students' problem-solving abilities, using several computational thinking techniques. Results are released after around 4 weeks. Very good indicator of how the student will progress at KS4	Students are tested on building and executing programs using the text-based Python programming language.	Creating a PowerPoint with animation showing their understanding of how different Logic Gates work.	Students use what they have learnt about cyber security during the unit to prevent a cyberattack. They work as teams to use their knowledge to purchase the correct equipment/ skills to prevent each attack.	