## Curriculum Area - IT

Overview 2021/22

The skills and knowledge being taught in each half term for each year group.

	HT1	HT2	HT3	HT4	HT5	HT6
Year 10 –	<b>Computer Systems</b>	Data	Algorithms	Networks	Network	Cyber Security
Computer Science	In this AP we will	representation	Students develop a	In this unit of work,	Typologies	In this unit we look
	be looking at the	In this unit of work,	firm understanding	we will study the	In this unit of work,	at a range of
	different types of	we look at the way	of algorithms. We	importance of	we follow on from	different cyber
	computer systems	in which data is	also compare	computer	AP4 and discus the	security threats
	which are used by	represented in a	pseudo code and	networks. We look	way networks are	which could attack
	individuals,	computer system.	flow chart.	at network devices,	structured. We	a business,
	organisations, and	This involves		security and	look at a range of	individual or
	business. We also	understanding		dangers. We also	different topologies	organisation. We
	look at the	binary, binary		compare LAN, WAN	as well as factors	also look at a range
	different types of	addition and		and PAN.	which effect a	of different
	memory in a	understanding			networks	malware.
	computer system	hexadecimal.			performance.	
	and compare the	Students will also				
	difference between	study the way in				
	memory and	which text, sound				
	storage devices.	and images are				
	There is also a	represented.				
	review and					
	comparison of the					
	different types of					
	storage devices.					
Year 11 –	System Software	Ethical, legal,	Programming	Exam preparation	Exam preparation	
Computer Science		cultural and	languages and			
	Boolean logic	environmental	Integrated			
		impacts of digital	Development			
		technology	Environments			