ASHTON COMMUNITY SCIENCE COLLEGE: COMPUTING CURRICULUM

				Year 7		
	Half term 1	**Half term 2**	**Half term 3**	**Half term 4**	**Half term 5**	**Half term 6**
Knowledge	Topic: • IT Skills • E-Safety	Topic: • Micro:Bits • Under the Hood	Topic: • Under the Hood • How the Web Works	Topic: • How the Web Works • Video & Sound Editing	Topic: • Video & Sound Editing	Topic: • Small Basic Programming
Skills/ application of knowledge	• Safe use of the internet • How to identify if content is safe/appropriate • Effective internet searching • Who to contact if in doubt about your online safety	• How to create a program using a visual programming language • The basic concepts and fundamentals of programming • The programming constructs: sequence, selection, and iteration • Knowing a range of computer hardware and software • Knowing the difference between inputs/outputs and processing • The purpose of the CPU	• Converting Binary / denary numbers • The purpose of storage in computer devices • The difference between the internet and the world wide web • The difference between LAN's & WAN's	• How to effectively search for information on the WWW • How to identify trustworthy websites • The hardware & software used in video and sound editing • Suitable file formats for storing sound and video sequences	• How to create video sequences • How to create sound sequences • How to export sound and video with a suitable file format.	• How to create a program using a textual programming language • The basic concepts and fundamentals of programming • The programming constructs: sequence, selection, and iteration
Links to prior learning	• KS1 and KS2 national curriculum	• KS1 and KS2 national curriculum	• KS1 and KS2 national curriculum • Under the hood of a computer	• KS1 and KS2 national curriculum • Under the hood of a computer	• KS1 and KS2 national curriculum • Under the hood of a computer	• KS1 and KS2 national curriculum • Under the hood of a computer • Micro:bits
Assessment	• End of topic test	• Theory test • Practical test	• Mid unit assessment • End of topic test	• End of topic test	• Theory Test • Creation of sound & video sequences	• Theory test • Practical test