Curriculum Summary Document

Year 7 Computer Science

Module / Unit of Learning	Taught During	What will students Learn	How does this help to build a firm foundation	Links to other subjects
Staying Safe Online	Autumn One	Learners will be introduced to using computers at Poltair and how to use computers safely online. Learners will also explore how to use Word Processing applications effectively.		Life
Applications	Autum Two	During Autum Two learners will develop an understanding of how to use images in their digital work, how you can find reliable sources online and how to research and bring together ideas		Art Media
Computer Architecture	Spring One	Learners will be introduced to the architecture of the computer. To include identifying hardware inputs, outputs, peripherals and		Engineering Maths

		software. They will also be introduced to the role of the Operating System.		
Computer Logic and Representation	Spring Two	Learners will develop an understanding of how computers use logic to represent the world. This will include Binary numbers and representation.		Engineering Maths
Programming Fundamentals	Summer One	Learners will explore how computers might develop in the future, how they can be used positively and any negative impacts. Using Scratch, they will develop and apply understanding of coding constructs.		Life Ethics Maths
Programming development	Summer Two	Learners will further develop their use of Scratch through iteration and the software development lifecycle.		