

Computing

	Year 7	Year 8	Year 9
A u t u m n 1	Introduction and Staying safe <ul style="list-style-type: none"> ● Usage of Chromebook and our computer network ● Building a website to summarise e-Safety resources 	Introduction and e-Safety reminders Computer hardware <ul style="list-style-type: none"> ● Learning about the parts in a computers ● Taking apart a computer (and putting it back together) ● Buying the parts for a PC 	Introduction and e-Safety reminders Programming – Python <ul style="list-style-type: none"> ● Learning to code basic commands and logic ● Create a text-based adventure game
A u t u m n 2	IT software skills: <ul style="list-style-type: none"> ● Word processing ● Spreadsheets 	Programming – graphical programming language <ul style="list-style-type: none"> ● Create a game in Scratch 	Creating digital content – Websites <ul style="list-style-type: none"> ● Learning to use Adobe Muse ● Learning some basics of HTML ● Creating a website for a client Options talk – Computer Science and Creative Media
S p r i n g 1	Programming and gadget introduction <ul style="list-style-type: none"> ● Coding ● Micro bits 	Robotics <ul style="list-style-type: none"> ● Learn to use Scratch to control robots ● Work through mazes ● Dance-a-thon and other challenges Creating digital content – Graphics	Uses of binary – an introduction <ul style="list-style-type: none"> ● What is binary? ● How images work ● Encryption
S p r i n g 2	Creating digital content – theme park project <ul style="list-style-type: none"> ● Learning about logos ● Vector based drawing software ● Learning to use Photoshop ● Learning to use desktop publishing software 	Gadgets Learn to control micro bits with code Communicate wirelessly between micro bits	Programming and robotics: <ul style="list-style-type: none"> ● Programming a robotic arm Learning to program graphics <ul style="list-style-type: none"> ● Using SmallBASIC
S u m m e		Programming - SmallBASIC <ul style="list-style-type: none"> ● introduction to text-based languages ● learning the basic programming commands ● programming graphics 	Creating digital content – animations <ul style="list-style-type: none"> ● using Adobe Animate ● learning different techniques for animating digitally

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S u m m e r 2	Programming – graphical language introduction	Creating digital content – video editing <ul style="list-style-type: none">• using Adobe Premiere	Project – advertising a music festival <ul style="list-style-type: none">• Using various programs from the Adobe Creative suite