

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Knowledge & Skills	Orientation & Basic IT Skills <i>(Week 1 & 2)</i> To enable students to become confident users of ICT within the school and develop an understanding of how to keep their personal data secure. The knowledge and skills learned will allow students to know how to use the school network correctly, ensure they have a safe and secure password and understand the rules within the ICT classroom. Online Safety <i>(Week 3 onwards)</i> To enable students to become confident users of ICT, by utilising technology both ethically and responsibly, ensuring that they know how to stay safe, be respectful, responsible and keep their personal data secure. The knowledge and skills learned will also allow students to know how to recognise and report any concerns relating to online safety and email, social media, cyberbullying, sexting and live streaming.		Introduction to Databases To enable students to develop their logical thinking skills and become confident users of database applications through understanding of how a database is structured, how they are used to manipulate data and how to search and organise data effectively. The knowledge and skills learned will allow students to understand the need for using databases by almost all businesses in order for them to organise and track their customers, inventory and employees.	Programming using Scratch To enable students to develop their computational thinking skills and become confident users of block-based programming languages through understanding of how a program is structured and how variables can be used to store data. The knowledge and skills learned will allow students to understand the key programming constructs of sequencing, selection and iteration and to create computer programs which utilise these constructs.	Websites To enable students to develop their creative skills by gaining an understanding of how a website is created and how pages are linked together and will also learn key terminology associated with website design. The knowledge and skills learned will allow students to understand the need to consider how to structure a website effectively by ensuring a consistent house style and meeting the needs of the user	
	Core Skills <i>(Lessons take place once a fortnight throughout Year 7)</i> <i>To enable students to become confident users of ICT, by utilising technology both ethically and responsibly and attaining a high level of digital literacy. The core knowledge and skills learned ensures that they are prepared for KS3 in Computing as well as supporting all of their other subjects at KS3 and beyond. (Lessons also link in with Year 7 Units of Work)</i>					
Links to prior learning	• Key Stage 2 (Primary Computing Curriculum)		• Year 7 Core Skills • Key Stage 2 (Primary Computing Curriculum)	• Year 7 Core Skills • Year 7 Introduction to Databases	• Year 7 Core Skills	
Assessment	• Interim Assessment (November) • Online Safety Interactive PowerPoint		• Written Assessment	• Virtual Pet Assessment	• Practical Assessment	
Home learning	• Online Safety Key Terms • Online Safety Scenarios		• Database Key Terms	• Scratch Key Terms and Programming Constructs	• Websites Key Terms	
Cultural Capital and extra-curricular opportunities	• Wide reading • Understanding of Online Safety Laws		• Safer Internet Day	• Wide Reading	• Wide Reading	
Literacy	• Oracy: Discussion in pairs and groups • Year 7 Spellings • Typing Club		• Oracy: Discussion in pairs and groups • Typing Club	• Oracy: Discussion in pairs and groups • Typing Club	• Oracy: Discussion in pairs and groups • Typing Club	
Numeracy	• Sequencing information • Linking slides in an interactive PowerPoint		• Sorting data • Filtering data	• Storing values in variables • Loop counting and control • Executing code paths based on specific conditions	• Linking pages on a website	
Careers Information, Education, Advice and Guidance (CEIAG)	• Careers in Online Safety		• Careers in Database Management and Analysis	• Careers in Software Development	• Careers in Website Development	
Spirituality	• Principles: Respect, Truth and Love • The teaching of online safety links to the command of Jesus in John 13:34 “A new command I give you: Love one another. As I have loved you, so you must love one another. • This unit encourages the consideration of wider society and our place in it and how the way in which we treat each other reflects our underlying values and beliefs.		• Principles: Truth and Patience • Proverbs 2:6 “For the Lord gives wisdom; from his mouth come knowledge and understanding”. • We use data to gain understanding, not just to store facts. This leads to an understanding of the “bigger picture”	• Principles: Truth and Patience • Programming is a creative process which links to spiritual ideas of creativity Genesis 1:1 “In the beginning God created...” • Programming also involves patience, trial and error and problem solving. Proverbs 3:5–6 “Trust in the Lord with all your heart and lean not on your own understanding; in all your ways submit to him, and he will make your paths straight.”	• Principles: Patience • Colossians 3:23 “Whatever you do, work at it with all your heart, as working for the Lord, not for human masters.” • Websites involve communication, purpose, audience, truthfulness, and design — all of which have strong moral and spiritual dimensions.	
How can parents support the curriculum?	• Checking homework • Support with any Online Safety questions		• Checking homework • Support with any Database questions	• Checking homework • Support with any Programming questions	• Checking homework • Support with any Website questions	