

Autumn	Spring	Summer	 Basic Skills (to support my learning across the curriculum) • Use a secure personal log in for a variety of online resources • Combine appropriate apps through the use of the camera roll on a tablet • Combine software to achieve effective outcomes. • Work collaboratively on documents and presentations • Create hyperlinks within and between documents • Identify three online sources to check information • Use keyboard to confidently input text, characters and numbers • Use bullet points • Add text boxes • Move, resize and rotate shapes, text and pictures • Use common keyboard shortcuts on laptops and PCs Additional unplugged activities to reinforce computational thinking <u>2D Shape Drawing</u> (40 minutes) • Follow an algorithm to draw pictures constructed from 2D shapes. • The algorithms they follow will include errors and children will use logical reasoning to detect and correct these. Sign up free to Barefoot Computing. <u>Robotic Paper Cups</u> (50 minutes) • Children split into groups • 'Robot' from each group set a different task outside classroom • Groups create algorithm and program for cup stack • 'Robot' is programmed to build stack
e-Safety- planned within PSHE / Citizenship using Somerset BYTE Awards I am kind and responsible Agree class internet rules based on personal responsibilities. Include cyberbullying messages in Anti-bullying week.	e-Safety- planned within PSHE / Citizenship using Somerset BYTE Awards I am safe Keep personal details private, consider who you are talking to online and make sure a trusted adult knows what you are doing online. Use Safer Internet Day to focus on use of the internet and different technologies.	e-Safety – planned within PSHE / Citizenship using Somerset BYTE Awards I am healthy Consider age-appropriate and healthy use of technology. Include consideration of time spent using technology and recognition of appropriate websites and games in Health week.	
TIOL 1 - CORE Improve My Web Detective Skills – 3 sessions • Consider the difference between the Internet and the World Wide Web and how they are linked • Discuss how information online may not be accurate or reliable • Create a checklist to ensure that the information they are using is accurate	Handling Data 1 – CORE Discovering My Solar System - 4 sessions • Collect, record and analyse data about planets using 2Investigate • Interrogate each other's databases	Programming 2 – CHOICE Logo My Shapes - 5 sessions • Create a program to teach the computer to draw a range of regular polygons • Refine programs using procedures to make them more efficient • Use procedures to create patterns of repeating regular polygons	
Programming 1 - CORE Scratch My Roman Numerals- 4 sessions • Review knowledge of Scratch • Use Scratch to help count in number sequences • Create a program that counts in number sequences and one to count with Roman Numerals • Record voices to add to Scratch counting program • Create animated story	Multimedia 1 – CORE Presenting My Persuasion - 5 sessions • Consider what makes a presentation interesting • Design a presentation to persuade an audience about a particular viewpoint or argument • Compare two presentation tools • Make a presentation on a topic to support learning.	TIOL 2 – CHOICE Exploring My World - 2 sessions • Explore the world using Google Earth and look at the layers of information contained in the tool • Create and record a virtual tour from their home to school and another	
		Open Ended Challenge <u>Identify an appropriate challenge</u> to allow children to • Use computational thinking to plan, develop and evaluate their use of technology • Have a differentiated learning experience including developing mastery • Demonstrate attainment in computing	