

Walsden St Peter's CE Primary School

Whole School Long Term – Computing

Year	Autumn	Spring	Summer
1	<p style="text-align: center;">Magical Hats</p> <p>Online safety – Logging on Exploring Purple Mash Grouping and sorting - Using pictograms – Data in picture form Lego builders – following instructions</p>	<p style="text-align: center;">Poles Apart</p> <p>Maze explorers – using direction keys within an algorithm Story books – using animation Coding – Design a simple program</p>	<p style="text-align: center;">Where are You ?</p> <p>Spreadsheets – navigating spreadsheet tools Technology outside school -</p>
2	<p style="text-align: center;">Up, Up and Away</p> <p>Coding – understand an algorithm and debugging programs Online safety – Sharing work electronically, introduce email, digital footprints Spreadsheets – Copy and pasting, creating tables</p>	<p style="text-align: center;">Dinosaurs</p> <p>Questioning – Exploring databases and using them to refine searches Effective searching – Using the internet to search</p>	<p style="text-align: center;">Jambo Africa</p> <p>Creating pictures – using repeated patterns, & eCollage Making music – Explore, edit and combine digital sounds Presenting ideas – Explore different way information can be presented digitally.</p>
3	<p style="text-align: center;">Mighty Metals / Snap Crackle Pop!</p> <p>Coding – Write and design a program, understand a variable and debugging, created a repeated action Online safety – Safe passwords, blogs and information on the internet, learn about PEGI ratings Spreadsheets – Pie charts, more than, Less than, using calculations</p>	<p style="text-align: center;">Roaming in the Rainforest</p> <p>Touch typing – using both hands to type Email including email safety – open and respond to e-mails, use emails safely Branching data bases – Complete and create a branching database using yes no questions</p>	<p style="text-align: center;">Why has Greece always been in the news?</p> <p>Simulations – Look at simulations, explore and analyse simulations Graphing – enter data into graph, solve an investigation with a graph</p>
4	<p style="text-align: center;">The Roman Empire strikes back</p> <p>Coding – create a program with if/else, understand decomposition and abstraction Online safety – identity theft, risk of installing software, copying other work, positive and negative influences of technology Spreadsheets – use formula wizard, timer and spin, budgeting</p>	<p style="text-align: center;">Splash !</p> <p>Writing for different audiences – using different programs for different purposes, explore how font style and size effects impact Logo – understand the language of Logo, input instructions, create letters, build function</p>	<p style="text-align: center;">Raiders, Traders and Invaders</p> <p>Animation – Explore different types of animation, Learn about Onion skinning, stop motion, Effective searching – Use effectively to find information, Assess reliability of information Hardware investigators – Understand the different parts of a computer</p>
5	<p style="text-align: center;">Ancient Egypt</p> <p>Coding – Understand and use variables, create a playable competitive game, include launch buttons Online safety – Sharing digital content, maintaining secure passwords, information reliability</p>	<p style="text-align: center;">Earth and Space</p> <p>Databases – Create a database Game creator – create a game environment and quest, finish and share games, evaluate games</p>	<p style="text-align: center;">Baghdad.</p> <p>3D modelling – understand the effect of moving point when designing, designing for a purpose Concept Maps – understand the need for visual representation, create a concept map</p>

	Spreadsheets – Conversion of measurements, formulae, text variable for calculations		
6	<p style="text-align: center;">Old Tod ! New Ideas !</p> <p>Coding – Flowcharts to test and debug, make a text based adventure game Online safety – Mobile devices, security of sites, digital footprint, screen time balance Spreadsheets – Probability, computational models</p>	<p style="text-align: center;">Against the odds</p> <p>Blogging – planning creating, contributing and changing a blog Text adventures – Make a story based text adventure</p>	<p style="text-align: center;">I'm a year 6 -get me out of here !</p> <p>Networks – LAN, WAN, research history of Internet, discuss the future of the internet Quizzing – Create a picture quiz for younger children, using different question types</p>