



Computing Long Term Annual Plan

Purple Mash

<u>Term</u>	<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
Year 1	Online Safety Exploring Purple Mash Computer basics – log in, open, save, print etc.	Pictograms Grouping & Sorting Sorting and graphing data in a pictogram.	Lego Builders Maze Explorers Follow and create simple instructions. Create an algorithm.	Animated Story Books Add animation, sound and other effects to a story.	Coding Create a simple program using code blocks incorporating When Key and Collision Detection.	Spreadsheets Technology outside school Add images to spreadsheet count tool to share items Find examples of where technology used.
Year 2	Coding Online Safety Debug simple programs. Create a program to tell a story.	Spreadsheets Use spreadsheet to add amounts, create table and block graph.	Questioning Create a binary tree. Use database to answer questions.	Effective Searching Create leaflet to help someone search for information on Internet.	Creating Pictures Use a paint program to recreate works of famous artists.	Presenting Ideas Making Music Create music to reflect feelings.
Year 3	Coding Create a program with an object that repeats actions indefinitely,	Online Safety Safe passwords Truth and the internet Age restrictions	Spreadsheets Touch- Typing Create pie charts and bar graphs using 'more than',	Email Attach files appropriately and use	Branching Databases Simulations Create a branching database of choice.	Graphing Presenting Solve an investigation and



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	debugging repeatedly.		'less than' and 'equals' tools Touch-type with both hands	email communication to explore ideas.	Explore simulations to analyse and evaluate.	present results in graphic form Present using different media in PowerPoint.
Year 4	Coding Introduce variables into programs. Program a character to respond to keyboard commands.	Online Safety Identity theft. Risks and benefits of installing software. Plagiarism and online content.	Spreadsheets Use a spreadsheet for budgeting. Introduce line graphs.	Writing for different audiences Use a simulated scenario to write for a community campaign.	Logo Animation Use Build feature in Logo and create flowers. Know what stop motion animation is and how it is created.	Effective Search Making Music Hardware Investigators Search effectively assessing truth and reliability of information. Experiment with pitch, rhythm and melody to create a piece of house music on Busy Beats.
Year 5	Coding Online Safety Code a program that informs others. Understand impact that sharing digital content can have demonstrating awareness		Spreadsheets Databases Use a spreadsheet to model a real-life situation and come up with solutions	Game creator Create and evaluate a 'Quest' game.	3D Modelling Create a 2D net for a 3D model	Concept Maps Word Processing Understand the need for visual representation when generating



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	of appropriate and inappropriate content and impact of sharing this.	that can be practically applied. Create a database around a chosen topic.			and discussing complex ideas. Create document incorporating text styles, text boxes, tables, hyperlinks.
Year 6	Coding Online Safety Create a text based adventure game. Understand 'digital footprint' and how to protect theirs.	Blogging Spreadsheets Create own blog, comment and respond to others assessing effectiveness and impact. Use a spreadsheet to model a real-life situation (school event) and come up with solutions that can be applied to real life.	Text Adventures Code a map-based text adventure.	Networks Investigate different networks and difference between World Wide web and Internet.	Quizzing Binary Make own quiz requiring, for example, player to search a database. Explain how all data in a computer is saved in the computer memory in a binary format.



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