

KEY STAGE TWO LONG TERM PLAN

Y3 /4 YEAR A	Unit Title and Possible Outcome	Resources
Autumn	<p>Purple Mash unit 3.2/4.2</p> <p><u>Online Safety</u></p> <ul style="list-style-type: none"> To know what makes a safe password. Methods for keeping passwords safe. To understand how the Internet can be used in effective communication. To understand how a blog can be used to communicate with a wider audience. To consider the truth of the content of websites. To learn about the meaning of age restrictions symbols on digital media and devices. 	laptops
Spring	<p>Purple Mash unit 3.5</p> <p><u>Email</u></p> <ul style="list-style-type: none"> To think about different methods of communication. To open and respond to an email using an address book. To learn how to use email safely. To add an attachment to an email. To explore a simulated email scenario. 	Laptops/and or ipads
Summer	<p>Purple Mash unit 3.6</p> <p><u>Data Bases</u></p> <ul style="list-style-type: none"> To sort objects using just 'yes' or 'no' questions. To complete a branching database using 2Question. To create a branching database of the children's choice. 	Laptops/and or ipads

Y3 /4 YEAR B	Unit Title and Possible Outcome	Resources
Autumn 1	<p>Purple Mash unit 3.1</p> <p><u>Coding and Debugging</u></p> <ul style="list-style-type: none"> To design algorithms using flowcharts. To design an algorithm that represents a physical system and code this representation. <ul style="list-style-type: none"> To use selection in coding with the 'if' command. To understand and use variables in 2Code To deepen understanding of the different between timers and repeat commands. 	Laptops/and or ipads
Spring	<p>Purple Mash unit 4.5</p> <p><u>Logo</u></p> <ul style="list-style-type: none"> Learn common commands and constructs of the Logo programming language. Develop their ability to compose algorithms for drawing mathematical structures and turn these into Logo code. 	Laptops/ipads
Summer	<p>Purple Mash unit 4.7</p> <p><u>Effective Searching</u></p> <ul style="list-style-type: none"> To locate information on the search results page. To use search effectively to find out information. To assess whether an information source is true and reliable. 	Laptops/and or ipads

YEAR 5/6 A	Unit Title and Possible Outcome	Resources
Autumn 1	<p>Exploring PowerPoint Understanding and applying skills for Microsoft software.</p> <p>To know: How to embed Hyperlinks Inserting sounds and video clips Animations</p>	Laptops, history resources, RE Saints resources, video 'How to clips', prompt sheets
Autumn 2	<p>Understanding and Using Excel Grids: In Excel to know: SUM, Columns, rows, Calculations and purpose</p>	Excel, video links, games and laptops Technician support
Spring 1	<p>Purple Mash: 6.2—Online Safety (3 lessons) To identify the positive and negative influences of technology on health and the environment.</p> <p>Purple Mash: 6.7—Quizzing (2 lessons) To make a quiz that requires the player to search a database.</p>	<p>Purple Mash online portal 2DIY 3D 2DIY 2Code 2Blog (Blogging)</p> <p>Purple Mash online portal Programs – 2DIY 2Quiz Text Toolkit 2Investigate (database)</p>
Spring 2	<p>Purple Mash: 6.7—Quizzing (4 lessons) To make a quiz that requires the player to search a database.</p>	<p>Purple Mash online portal Programs – 2DIY 2Quiz Text Toolkit 2Investigate (database)</p>
Summer 1	<p>Revision: Revision materials Y6</p> <p>Purple Mash: 6.4 Blogging (Y5 Only) Weeks - 4 (Y5 Pupils only) Pupils learn the basic principles of creating and maintaining a blog in a controlled and safe environment.</p>	<p>SAT revision task – class teacher to set individually</p> <p>Purple Mash online portal 2 Blog and 2 Connect, help guides and prompt videos from</p>
Summer 2	<p>Purple Mash: Unit 5.8 Word Processing Weeks – 5 Pupils learn what word processing is used for. They learn how to create and edit documents, add text and change its format, add images - whilst considering copyright and use features to enhance the look and usability of the final document.</p>	<p>Purple Mash online portal Programs – Microsoft Word – desktop version.</p>

YEAR 5/6 B	Unit Title and Possible Outcome	Resources
Autumn 1	<p>Purple Mash: 5.1 Coding Weeks – 7 Pupils learn how to simplify code, to design and write a program that simulates a physical system, to understand decomposition and abstraction.</p>	<p>Purple Mash online portal 2Code</p>
Autumn 2	<p>Purple Mash: Unit 5.5 We are games creators Weeks - 5 Make an interactive game and promotional leaflet to be assessed by peers in safe area.</p>	<p>Purple Mash unit - access online portal, access to printer required.</p>
Spring 1	<p>Purple Mash: Unit 5.6 3D Modelling Weeks – 4 To create a 2D design for a specific purpose. To print the 2D design as a net to make a 3D representation.</p>	<p>Purple Mash online portal Programs – 2Design and Make Writing Templates</p>
Spring 2	<p>Purple Mash: Unit 5.2 Online Safety Weeks – 3 and Unit 5.7 Concept Maps Weeks – 4 To create a collaborative concept map and present this to an audience.</p>	<p>Purple Mash online portal Programs - 2Publish Plus Writing Templates Display boards 2Connect (Mind Map) Programs – 2Connect</p>
Summer 1	<p>Revision: Revision materials Y6 Purple Mash: 6.4 Blogging (Year 5 only) Weeks - 4 (Y5 Pupils only) Pupils learn the basic principles of creating and maintaining a blog in a controlled and safe environment.</p>	<p>SAT revision task - class teacher to set individually Purple Mash online portal 2 Blog and 2 Connect, help guides and prompt videos from</p>
Summer 2	<p>Purple Mash: Unit 6.1 Coding Number of Weeks – 6 Pupils will design and make more complex programs. They will use functions and flowcharts to create and debug code.</p>	<p>Purple Mash online portal Main Programs – 2Code</p>