Computing
at St Mary's Catholic Primary School

Year 6

Autumn 2 - Introduction to Purple Mash
This unit introduces children to Purple Mash, who are new to the software or as a refresher. Children will be familiar with logging into the platform, managing work and accessing 2Dos

Blogging
Children to explore blogs and their features, including how they can be used to engage an audience effectively. Children will plan and create their own blog post as well as commenting on other's blog posts.

Spring 2 - Data Detectives
Children will interpret information being requested and query databases to find the information. They will create graphs from data and find information in databases by filtering and sorting.

Summer 2 - 3D Modelling
This unit explores 3D Modelling design using the CAD software, 2Design and Make. Children will create, refine and evaluate models with creativity and purpose.

Year 4

Autumn 2 - Introduction to Purple Mash
This unit introduces children to Purple Mash, who are new to the software or as a refresher. Children will be familiar with logging into the platform, managing work and accessing 2Dos.

Unpacking hardware and Software
Children will understand what technology is, where we see it in everyday life, and how it helps us at school, home and beyond.

Spring 2 - Animation
Children will be introduced to animation and the common techniques used by animators. Children will use traditional animation methods and compare these methods with using animation software (2Animate).

Summer 2 - Effective searching
Children will learn to use search technologies effectively by selecting clear keywords.. They will nderstand what a search engine is, how it works and how to use simple keywords to find information online.

Year 2

Autumn 2 - Introduction to Purple Mash
This unit introduces children to Purple Mash, who are new to the software or as a refresher. Children will be familiar with logging into the platform, managing work and accessing 2Dos.

Creating pictures
Children will explore digital art creation through the use of a digital art tool - 2Paint A Picture. Children learn about famous art styles and how a digital art tool can be used to reproduce art in that style.

Spring 2 - The internet
Children will be taught the fundamentals of the internet, including its purpose, how we access it, and how to use it safely and effectively.

Summer 2 - Route explorers
This unit allows children to code using the tool, 2Go. Children learn to build simple algorithms to move a screen turtle along routes. They consider direction and distances and create commands.

EYFS

Autumn 2
Explore: Children learn to operate a device and navigate simple digital activities with support.

- Introduction to Purple Mash
- Exploring technology
- Hardware, Safety and Privacy

Spring 2
Create: Children use familiar tools to make digital content and begin making their own choices.

- Drawing skills
- Sounds
- Photography

Summer 2
Apply: Children follow simple instructions, explore early programming concepts and apply familiar skills more independently.

- Robots
- Quizzes

Beyond St Mary's

Our children will have gained geographical knowledge, understanding and skills to to explain the location of globally significant places and are competent in the geographical skills needed to communicate geographical information in a variety of ways. They will have a curiosity and fascination about the world and its people that will remain with them for the rest of their lives.

Year 5

Autumn 2 - Introduction to Purple Mash
This unit introduces children to Purple Mash, who are new to the software or as a refresher. Children will be familiar with logging into the platform, managing work and accessing 2Dos.

Game creator
Children will learn more about the world of gaming. Children will design and make their own 3D maze adventure game using the 2DIY3D tool, assessing the effectiveness of their own and other's creations.

Spring 2 - Quizzing
This unit introduces children to the process of designing and creating interactive quizzes using Purple Mash's 2Quiz tool. Through exploring question types, adding creative features, and debugging, children will develop their technical skills and creativity while producing engaging quizzes for others to enjoy.

Summer 2 - Word Procession IPAD
children to word processing using Apple Pages for iPad. Children will explore how to edit, format and create their own documents.

Year 3

Autumn 2 - Introduction to Purple Mash
This unit introduces children to Purple Mash, who are new to the software or as a refresher. Children will be familiar with logging into the platform, managing work and accessing 2Dos.

Touch typing
Children learn correct posture, finger positioning and typing techniques to develop speed and accuracy, while understanding how these skills support safe and effective computer use.

Spring 2 - Email
Children will explore electronic communication using 2Email. Children learn how to respond to, compose and add attachments to emails as well as consider the safety aspects of email communication.

Summer 2 - Coding
Children will explore timers, the repeat command and the importance of nesting code. They will build up to using design documentation to code a program.

Year 1

Autumn 2 - Introduction to Purple Mash
Children will be introduced to Purple Mash and the essential basic knowledge and skills required for the Year 1 units. Through a range of activities, children will learn about 2Dos, saving work and navigating to key areas.

Creative computing
Children will have the opportunity to develop their mouse, keyboard and basic computing skills using creative tools. Children will use the 2DIY tools to paint, create jigsaws and make simple drag and drop games.

Spring 2 - Creating and following instructions
Children will understand that an algorithm is a set of ordered instructions that is used to solve a problem or achieve an objective.

Summer 2 - Data explorers
Children to using software tools to group and sort recognisable objects. Children will develop their understanding of how this relates to organising and interpreting data.