

End Points for St Mary's Computing Curriculum

By the time pupils leave St Mary's, they will:

Computing Systems and Networks

- Understand how computers, devices and networks communicate and share information.
- Explain how the internet, web pages and online services work.
- Use search technologies effectively and recognise how search results are selected and ranked.
- Communicate and collaborate safely using digital technologies.
- Understand the importance of privacy, security and responsible online behaviour.
- Recognise risks online and know how to stay safe and seek support when needed.

Creating Media

- Select and use a range of digital tools to create, edit and publish high-quality digital content.
- Design and create digital media including photographs, audio recordings, videos, animations, web pages and 3D models.
- Evaluate and improve their own digital products for a specific audience and purpose.
- Apply an understanding of copyright, ownership and appropriate use of digital content.
- Present information creatively and effectively using appropriate technology.

Programming

- Design, write, test and debug programs using sequence, selection, repetition and variables.
- Understand how algorithms are implemented as programs on digital devices.
- Create increasingly complex programs using block-based programming and physical computing devices.
- Apply computational thinking skills to solve problems logically and efficiently.
- Develop resilience when troubleshooting and refining digital solutions.
- Use sensing and input devices to control and automate outcomes.

Data and Information

- Collect, organise, analyse and present data using appropriate digital tools.
- Use databases and spreadsheets to answer questions and solve problems.
- Interpret data to identify patterns, trends and relationships.
- Understand how data can be stored, searched and manipulated digitally.
- Recognise the importance of accuracy and reliability when working with data.

Wider Curriculum and Digital Citizenship End Point

Pupils will leave St Mary's as **safe, responsible and confident digital citizens** who:

- Use technology purposefully to support their learning and everyday lives.
- Demonstrate respect, kindness and responsibility when interacting online.
- Understand their digital footprint and the impact of their online actions.
- Make informed decisions about the information they access, create and share.
- Apply computing skills across a range of curriculum areas and real-world contexts.