St Mary of the Angels Catholic Primary School

COMPUTING CURRICULUM STATEMENT

Intent

The computing curriculum at St Mary of the Angels aims to deliver a fun, engaging and valuable take on many of the technological aspects that are spread throughout our daily lives. Due to the constant shifting of technology, the skills that are being taught are always changing and developing.
At St Mary of the Angels, computing is a practical subject, in which invention and showing initiative are encouraged. In addition to the focus placed on computer science, we have also revised our teaching of digital literacy. Each year group also learns how to stay safe online, as well as being responsible within the online environment on platforms such as social media and gaming.

Implementation

We regard e-safety to be a vital part of a child's education and have an annual e-safety week in which we explore many aspects of how to stay safe in our ever-increasing digital world. Currently our computing sessions are based on a core scheme, Purple Mash, which is incremental, skills based and comprehensive. Other aspects include: programming and writing algorithms using Scratch; animation; exhibiting creativity through filming and editing footage using iMovie; image manipulation via photo editing software; using browsers and search engines to find information; working with data on spreadsheets and displaying via creating charts as well as generating simple databases.

Impact:

The desired outcome for computing is that we produce extremely computer literate young people ready for many of the challenging aspects that await in the future.

They will be able to make sensible choices in regards to online activities, demonstrate proficient skills in using a range of technologies and understand the importance of computational thinking to coincide with the practical skills this subject provides.

The Computing curriculum will introduce potential future career aspirations for some, or allow others to become competent in the use of software critical to their educational and working lives. It will give them the ability to think both logically and creatively to solve problems.

What we essentially aim to deliver by the end of a pupil's St Mary of the Angels journey is someone who is able to:
- think logically
- construct algorithmic instructions
- show an awareness of their impact on the online community and how they are able to stay safe within this
- use a variety of technology to capture, view and edit footage
- confidently use a range of computer software and hardware to carry out vital tasks.