

Computing at St Mary's

Together we love, learn and flourish
'Let all you do be done with love' 1 Corinthians 16:14

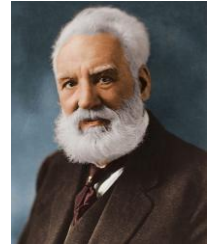
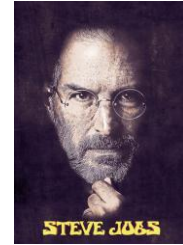
Our vision for Computing

At St Mary's C of E Primary School, we inspire our children to approach technology with **courage, curiosity, and compassion**, empowering them to harness its creative potential confidently and competently.

We want our children to be **curious** to consider what is possible with the use of technology, courageous in their use of technology, understanding the dangers that can be posed and show compassion when using technology.

Together, we cultivate a community where every child flourishes as a thoughtful, skilled digital citizen, ready to shape a better future with kindness and confidence.

Inspiring our children



Children will be encouraged to learn from these inspirational figures. Steve Jobs - an American entrepreneur and inventor, best known for co-founding Apple Inc. and revolutionizing the technology industry. Alexander Bell - Scottish-born scientist and inventor best known for inventing the first working telephone in 1876.

How is computing taught at St Mary's?

Computing is taught weekly across the school, adhering to the National Curriculum and implemented through the Teach Computing Curriculum. Lessons incorporate a variety of teaching approaches aligned with the 12 principles of Computing Pedagogy, ensuring high-quality, engaging, and effective learning experiences for all children.

Children are supported in acquiring knowledge through explicit teaching of key concepts, terminology, and vocabulary. This approach fosters a shared and consistent understanding of computing principles across the school community.

Each half term, children engage with a different computing unit. The curriculum for Key Stages 1 and 2 follows a spiral design, where core themes are revisited regularly. This method consolidates prior learning and builds progressively on existing knowledge, reducing knowledge loss over time and reinforcing connections between concepts. The spiral curriculum also supports continuity and coherence, especially when different teachers deliver units within the same theme in successive years.

The curriculum is organised into four key themes as follows:

Computer systems and networks

Data and Information

Programming

Creating Media