Computing Statement of Intent

Purpose

A high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world. Computing has deep links with mathematics, science, and design and technology, and provides insights into both natural and artificial systems. The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. Computing also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.

Computing Programme of study: Key Stage 2 National Curriculum
Aims

In line with the National Curriculum for art and design, we aim to ensure that all pupils:
It is the aim of St Margaret Mary's Junior School:

- To provide all pupils with their National Curriculum entitlement.
- To develop children's individual Computing capability to the best of their ability both in skills and understanding, as well as in knowledge.
- To ensure children's Computing experiences are progressive, coherent and relevant as they move through our school.
- To apply their Computing skills and knowledge to their learning in other areas.
- To allow staff and children to gain confidence in, and enjoyment from, the use of Computing.
- To explore their attitudes towards Computing and its value to them in society in general.
- To explore their attitudes towards Computing and its value to them and society in general. For example, to learn about issues of security, confidentiality and accuracy.
- To encourage pupils to contribute to and enhance their school work and homework.
- To use Computing to keep parents informed of all aspects of school life.

- To support staff so that they are able to adapt to the continually changing challenges presented by Computing and in doing so ensure that our pupils receive a Computing education in line with their ability, access and needs.