



FARINGTON MOSS ST PAUL'S CHURCH OF ENGLAND PRIMARY SCHOOL

Thrive in the gift of life John 10:10: 'I came that they may have life, and have it abundantly.' We realise our vision through inspiring and nurturing our whole school family to grow and reach their full potential.

Subject Leader Report – Computing

Subject Leader(s): Karen Quinton

INTENTION – Subject Overview:

At Farington Moss St Paul's, all children have the opportunity to engage in a computing curriculum that will develop their computational thinking, creativity and embed life-long knowledge and skills. We believe that the computer is a powerful tool which can be used effectively to support and enrich many areas of the primary curriculum. We intend to teach computing skills in a structured way and make many cross-curricular links to other subjects for example English, Mathematics, Science and Art and Design. The core of computing is computer science in which our pupils are taught how to write algorithms and programs. Computing also ensures that our children know how to use information technology to create documents and presentations, manipulate images and sound, use databases and make music and animations. The curriculum also enables our children use online technology safely in our digital world.

The aims of our computing curriculum are consistent with the vision of our school and the aims of the National Curriculum for Key Stage 1 and 2. We aim to ensure all pupils:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- are responsible, competent, confident and creative users of information and communication technology.

IMPLEMENTATION – Planning:

The teaching of Computing will begin in the Foundation Stage (aged 3-5) where children will be taught within the areas of Learning and Development. Computing will continue to be taught throughout Key Stage 1 and 2 following the National Curriculum Program of Study. Our medium-term planning has been designed in-house to meet the curriculum needs of our children. Teachers will then plan, customise and deliver their lessons from the scheme of work.

Teachers plan lessons which ensure progression and continuity, and collaborate with other staff to ensure that there are no omissions or duplications in the activities offered to the children other than that which is necessary to consolidate their knowledge and understanding.

Time allocation is designed to be flexible so long as the Subject Leader ensures that the overall curriculum requirement is fulfilled.

The Computing subject leader and the headteacher continue to monitor the resources required to deliver the Computing curriculum.

IMPLEMENTATION AND IMPACT – Assessment, Monitoring and Evidence:

On-going teacher assessment and review is fundamental to delivering the Computing curriculum. In each lesson, teachers are constantly making judgements with regards to attainment and understanding and alter provision accordingly. Evidence in books and digital assets are used to make summative assessments by the class teachers.

This data is shared with the subject leader, SLT and with parents at the End of Year reports.

Standards are monitored in a variety of ways; book scrutiny, digital assets, teacher discussions, lesson observations and pupil voice. Governors are informed of standards.

IMPLEMENTATION AND IMPACT – Enrichment Opportunities:

Every year as a whole school we celebrate Safer Internet Day.

Every class has timetabled access to the school laptops, chrome books and iPads. EYFS and KS1 have access to Bee Bots and Kubo. KS2 have access to Lego Spike sets, Crumble and BBC Microbits. This equipment can be used both for discrete computing lessons but also to enhance any cross-curricular work.

IMPACT – Targets:

Target	Evaluation
To continue to monitor and evaluate the updated schemes of work for Computer Science and Information Technology and evaluate strategies used for retrieval/assessment.	
To update the Digital Literacy scheme of work to include AI.	
To ensure the Subject Leader and teaching staff received relevant AI training and updates.	

IMPACT – Staff Training:

STAFF CPD	• Subject Leader to provide on-going training and support to staff.
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	• Subject Leader to arrange staff CPD
<u>Subject Leader</u>	• Subject Leader to complete relevant training through the NCCE

FUTURE INTENTION, IMPLEMENTATION AND IMPACT – Future Targets:

- To continue to book more Family Learning courses linked to computing with Lancashire Adult Education