# St Peter's CE Primary School Computing Curriculum Statement

## Subject Overview

The use of information and communication technology is an integral part of the national curriculum and is a key skill for everyday life. 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.

National Curriculum 2014

## Vision for Computing

Computing has become a part of everyday life and without a doubt will play a huge part in our children's future.
Our vision at St Peter's is to prepare the children for life in an every changing technological world.
We believe that Computing is an important part of a child's educational development and key to enabling them to access the ever growing importance of technology.
We aim to give them the skills that they will need to live in a world where technology advances rapidly.
To ensure that they stay safe when they are online, to know where and how to get help should they need to and to be aware of the risks.
To be respectful users of technology and to know how to use it to enhance their learning.

## How is computing implemented across the school?

Our computing curriculum is taught from EYFS to Year 6.
We follow the National Curriculum guidance in for Key Stages 1 and 2 and in Early Years Foundation Stage Understanding the world.
The skills that the children learn are built upon year on year until the end of KS2. The computing curriculum is divided up into three strands - Computer Science, Information Technology and Digital Literacy. The children are taught computing discreetly during computing sessions that occur weekly and during these sessions they have access to a range of technological equipment such as iPads, computers and programmable toys. The school has invested in high quality resources, such as iPads, apps, laptops and programmes that are used not just during computing lesson but also across the curriculum, after school and at home. The school offer the use of the computer facilities before and after school every day for pupils to complete homework tasks, practise their computing skills and develop their maths knowledge with IXL.

## E-Safety

E-safety is taught throughout the year and included within each unit. As a school we are very aware of the responsibility that we have to educate our children about staying safe online and because of this assemblies and E-Safety days are also very much a part of our curriculum.