

# All Saints CE (C) Primary School, Alrewas

## Policy Statement for Computing



***'Believe to Achieve'***

### Mission Statement

*'To provide quality education for our children in a happy, secure Christian environment, encouraging pupils to achieve their potential academically, spiritually and socially.'*

## General Principles and Philosophy

Information in all its forms is one of the most important resources in a modern society. It offers a growing range of new, and ever more interactive, techniques for gathering and communicating information in a wide range of forms including text, number, graphics and sound. As the uses and forms of Computing continue to expand, Computing capability becomes increasingly important and its development within the school is an essential preparation for modern life.

## The National Curriculum

At All Saints CE (C) Primary School we aim to fulfil the National Curriculum requirements for Computing at Key Stages 1 and 2, by aiming to ensure that 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

They will do this through the three areas of the new Computing Curriculum which are:-

- E-safety and digital literacy
- Programming
- Skills and Technology in the World

Computing is a cross-curricular subject and the above aspects will be taught through a wide range of subject areas.

## **Aims**

The aims of working with Computing in our school are: -

- To help our children acquire confidence in Computing, to become familiar with the use of everyday applications.
- To encourage the openness of mind necessary to adjust to, and take advantage of, the ever-quicken pace of technological change.
- To use the technology available to enhance learning throughout the curriculum, to support independent study and encourage the reworking of initial ideas. To enable pupils to work at a more demanding level.
- To use Computing to help pupils with special educational needs, to increase their independence and develop their strengths.
- To ensure equal opportunities for access to all pupils, of all abilities.
- To encourage the children to explore and investigate different forms of technology for themselves, to evaluate their uses and limitations.

## **Objective**

To give our children the opportunity to use a wide range of Computing resources, through the core and foundation subjects, and other cross-curricular themes.

Opportunities for using Computing within the classroom are many, and are continually being added to. We are aware that because of this it is important for both pupils and teachers to become, and remain, confident and informed users of Computing.

Reviewed February '15