Computing Policy

Start: November 2014
Review: July 2017

Purpose

The new Computing curriculum intends to support children become a generation of creators of technology and not just users of technology. It will enable children to become computer programmers understand how programmes are made as well as how to use them.

Aims and Objectives

The aims of teaching Computing in our school are:

- To give children the skills to become emerging computer programmers.
- To ensure children understand that all programmes require some sort of coding to function and that someone created that code.
- To understand how external physical objects can be controlled by computer programmes.
- To teach children the importance of keeping their personal information safe on-line.
- To develop a strong understanding of the different ways that information can be presented.
- To understand how computer systems and the internet work with an appreciation of how information is stored and gathered.

Teaching and Learning

Teaching and learning is summarised in our Teaching and Learning Policy to which reference should be made.

Computing teaching focuses on enabling children to think as creators and users of technology. The biggest change requires children to understand that they can use technology to create programmes. They will also experience the language associated with this change to the curriculum e.g. coding, algorithm,

debugging etc. Children will be given the opportunity to create codes to create games that can be played. They will also learn about the importance of debugging algorithms in any program. We also recognise the importance of learning the basics of typing, using spreadsheets and creating multimedia presentations. Teaching and learning in Computing will continue to evolve as technology changes and children should experience a range of technology during their time at St Bartholomew's.

Computing Curriculum Planning

We use the national curriculum for Computing as the basis for our curriculum planning. Computing is taught weekly as discrete lessons but is encouraged to be incorporated into all aspects of the primary curriculum. Although computing is taught in discrete lessons in KS1 children record their work in Discovery books.

Assessment

Teachers assess children's work in Computing by observing them working during lessons and by marking and assessing the children's work against learning objectives for the lessons.

The role of the subject leader

Computing is led by the Computing leader who:

- Provides strategic leadership for Computing by way of an action plan;
- Reviews progress in Computing:
- Manages resources for teaching of Computing;
- Provides support for colleagues to enable them to develop greater confidence and enthusiasm for teaching of Computing.