



## Computing Policy

### Introduction

The Computing Curriculum for 2014 states that ‘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.’

With this in mind, children need to be shown how to access all forms of Computing confidently in order to sufficiently prepare them for adulthood. Moreover, as children often already use Computing in their lives outside of school, technology provides the opportunity for relevant and accessible learning experiences that truly enrich the lives of pupils. Computing proves a highly motivating subject for many learners, both as an isolated subject and when used discretely in other areas of the curriculum.

### Main aims for the teaching of Computing

Through the teaching of Computing at Quinton Church Primary School we aim;

- For children to use the 5Rs of learning: to be ready to learn, confident in their ability; to show resilience and become independent users of Computing; to be resourceful and select the appropriate hardware, software and other equipment; to reflect on their work; to remember previous learning so that they can build on past successes.
- For children to have regular exposure to Computing of a consistently high quality.
- To provide a relevant, challenging and motivating Computing curriculum in which all can achieve
- To embed Computing into the six areas of learning in the EYFS and across all subjects within the National Curriculum across Key Stage 1 and 2.
- To take on board new developments within the field of Computing and respond appropriately.

### Organisation of Teaching and Learning

At Quinton Church Primary School Computing is taught primarily as a discrete subject using new technologies connected to a network. Work is planned to cover all elements of the National Curriculum for Computing. Where appropriate, we embed Computing into other curriculum areas. Each class has time where the children work on electronic devices.

### The contribution of Computing to other areas of the curriculum

We believe that Computing is a powerful tool to deepen knowledge and increase motivation. As a result, teachers regularly use Computing within the curriculum. Interactive Whiteboards throughout Key Stage 1 and 2 greatly enhance this. Some examples of cross-curricular links are;

- Children recording, evaluating and refining performances across the curriculum, for example in drama within Literacy and PE, by filming.
- The watching of film clips as a stimulus for writing numerous genres in Literacy
- Playing maths games on websites
- Using a Data Logger to observe scientific changes
- To locate cities, countries and places of interest using Google Earth and other websites in Geography
- Using electronic toys and software within the Foundation Stage
- Using publishing packages on PCs to present project work in several curriculum areas



### **Access and Learning Resources**

The school has access laptops for children to use. All classrooms in Reception, Key Stage 1 and 2 have an Interactive Whiteboard. Computing is used in other forms, such as programmable toys e.g. Beebots, digital cameras and data loggers. New technologies are continuously monitored by the Computing coordinator and their educational value assessed.

### **Assessment and Recording**

Computing is assessed in line with the other foundation subjects. In EYFS teachers assess Computing within 'The World' strand of the curriculum, recording when children show an interest in Computing and can use it. Teachers also annotate medium term plans, from the Switched On Computing scheme, to inform their own teaching and adaptation of future lessons.

### **Inclusion: Effective learning opportunities for all children.**

Our school believes strongly in the right of a child to achieve. As a result, we aim to make Computing an inclusive subject and provide opportunities for all to achieve, and to achieve highly. Teachers use Computing to differentiate activities for children, for example using the computer to draft written work for a pupil with literacy difficulties. We also use Computing to celebrate cultural diversity through the exploration of other cultures in RE by visiting websites.

### **Staffing**

The Computing Co-ordinator leads curriculum development and advises on strategic direction in liaison with the Head Teacher and governors. Our Computing Technician provides technical support in the use of ICT. The Co-ordinator develops understanding within the staff of how to use Computing equipment in the school.

The Head teacher, in consultation with the Computing Co-ordinator and leadership team determines the ways Computing should support, enrich and extend the curriculum.

### **The role of the Computing Co-ordinator**

The Computing Co-ordinator's role is to oversee the planning and delivery of Computing within the school.

The Computing coordinator will be responsible for

- facilitating the use of Computing across the curriculum, ensuring that standards are met
- providing or organising training to keep staff skills and knowledge up to date
- managing equipment and purchasing resources
- monitoring the delivery of the Computing curriculum, creating action plans and reporting these to the Headteacher.

### **Health and Safety**

We operate all Computing equipment in compliance with Health & Safety requirements. Children are made aware of the correct way to sit when using the computer and have chairs that can be adjusted for different age ranges. Children are advised not to look at the projection light from the data projector and every teacher models this. Quinton Church Primary School takes the safety of its children seriously, and carefully monitors the use of the Internet in line with the E-safety policy. All computers within the school are subject to safety restrictions and unsuitable material is filtered and blocked. Children are also taught to use the Internet safely, and are given guidelines about what to do if they encounter unsuitable material on computers outside school. Teachers also give children isolated lessons about safety and the potential hazards online.

### **Staff Development and Training Opportunities**



The Computing coordinator will assess and address staff training needs in response to individual needs and requests throughout the year. Individual teachers should attempt to continually develop their own skills and knowledge, identify their own needs and notify the coordinator. Staff attend INSET days about new developments within Computing to keep informed and up to date. Teachers are encouraged to use Computing to produce plans, reports, communications and class labelling. Plans are centrally located on the school server.

#### **Administrative Uses**

The school administration will remain separate from the curriculum system with access only available from the school offices.

The Computing policy and its implementation will be reviewed annually.