Burchetts Green C.E. Infant School

Computing Policy

A high quality computing education equips pupils to use computational thinking and creativity to understand and change the world. The core of computing is computer science, in which pupils are taught the principals 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 – so enabling them to become active participants in a digital world and preparing them for the future workplace.

Computing is a cross-curricular competence and should be used in all subjects where appropriate.

AIMS OF COMPUTING IN OUR SCHOOL:
♦ to understand and apply the fundamental principles and concepts of computer science
♦ to analyse problems in computational terms
♦ to become responsible, competent, confident and creative users of information and communication technology across the curriculum, so enhancing and extending learning opportunities
♦ know how to be safe when using the internet

EXPECTED PUPIL OUTCOMES
A child that has developed Computing capability should by the end of Key Stage 1:
♦ understand what algorithms are and how they are implemented
♦ create and debug simple programs
♦ use logical reasoning to predict the behaviour of simple programs
♦ use technology purposefully to create, organise, store, manipulate and retrieve digital content
♦ recognise common uses of information technology beyond school
♦ use technology safely and respectfully, keeping personal information private and identify where to go for help when they have concerns about online technologies

PLANNING AND DELIVERY
Computing will be delivered through a variety of teaching and learning methods e.g. whole class, group and individual work. The New Curriculum outlines the Computing experiences and understanding which a child should have during Key Stage 1. This is organised into half term units to be covered in each year group, which have been planned by the Computing specialist in consultation with the Computing subject leader and other staff. These units are planned to ensure continuity and progression. Computing, as well as being a separate subject within the curriculum is cross-curricular and has a role to play throughout. Long term plans for each subject are
enhanced by outlining cross-curricular links with Computing. Available software within the school has been mapped into the schools long-term plan.

HARDWARE AND SOFTWARE
We have PCs, laptops and ipads with internet access throughout the school. All classes have access to Interactive Whiteboards and other forms of audio visual equipment.

Any faults occurring should be reported to the Computing subject leader who will then rectify the problem or pass onto the technician as appropriate.

An investment strategy has been established to ensure a rolling programme of replacement of hardware as demands require.

EQUAL OPPORTUNITIES
In teaching Computing the school must ensure that all children have equal access. Computing must take into consideration, and be aware of, pupil grouping, gender stereotyping, special needs and dominant pupils. Children with special needs may require access to personal machines or concept keyboards where appropriate.

HEALTH AND SAFETY
Class teachers are responsible for instilling a sense of responsibility for equipment in their pupils and for ensuring its safe use. Any concerns about the safety of resources, their storage, or the connecting electrical supplies should be reported immediately to the head teacher.

Children must be watched closely and monitored so they do not spend too much time in front of the screen, especially children with problems associated with epilepsy. Children should spend no more than two hours per day on WiFi equipment and should be advised on correct posture when at the keyboard.

The school has an Internet Policy and a permission letter to be signed by parents concerning the use of the Internet and the School Web Site.

POLICY REVIEW
This policy will be subject to review every three years by the Education Committee in the Spring term, or more frequently in the light of changes in legislation, LA or Diocesan guidelines.

This policy was approved at a meeting of the Education Committee on 25th April 2018.