



Pikes Lane Primary School Computing Policy

Policy Leader: Alex Bradley

Linked Governor Sub Committee: Curriculum, Standards and Wellbeing





Aims and Objectives

At Pikes Lane we provide a high-quality computing education which equips our pupils to use computational thinking and creativity to understand and change the world. We use devices to enhance communication between teachers and pupils, improve pedagogy and engagement and breakdown barriers to learning and extend it. We have a well established 1:1 iPad project where all Key Stage 2 pupils (expanding to Key Stage 1 from 2020) get to take their devices home. All Key Stage 1 classes have good levels of access in the classroom. We incorporate technology ,where it fits, across the curriculum and integrate the teaching of computing into the teaching of other subjects where appropriate.

Information regarding the use of iPads to promote learning across the curriculum and extend the school day is included in the Acceptable Use, E-safety and Pikes Lane Learning Journey Policies.

This policy outlines some additional information regarding the computing elements of the programme of study.

Computing Skills.

The national curriculum for computing aims to ensure that all pupils:

Key Stage One

- 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.

Key Stage Two

- design, write and debug programs that accomplish specific goals, including controlling or
- simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various
- forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and
- correct errors in algorithms and programs
- understand computer networks including the internet; how they can provide multiple
- services, such as the world wide web; and the opportunities they offer for
- communication and collaboration
- use search technologies effectively, appreciate how results are selected and ranked, and
- be discerning in evaluating digital content
- select, use and combine a variety of software (including internet services) on a range of
- digital devices to design and create a range of programs, systems and content that
- accomplish given goals, including collecting, analysing, evaluating and presenting data
- and information
- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable
- behaviour; identify a range of ways to report concerns about content and contact.

Planning and Assessment

There is a statutory obligation to provide each child with access to the computing curriculum. At Pikes Lane this is organised into 3 units per year that specifically cover computing. There is an accompanying scheme which outlines these projects for each year group teachers may wish to link these to other subjects. Pupils should be assessed

inline with the assessment policy for foundation subjects so that the subject leaders can track progress.

British Values

At Pikes Lane Primary School we uphold and teach pupils about British Values which are defined as: Democracy, Rule of Law, Individual Liberty, Mutual Respect and Tolerance of those of different faiths and beliefs. These values are taught explicitly through Personal, Social, Health and Emotional (PSHE), and Religious Education (RE). We also teach British Values through planning and delivering a broad and balanced curriculum as part of our unique Pikes Lane Learning Journey. We take opportunities to actively promote British Values through whole school assemblies and through ensuring that our curriculum planning and delivery includes real opportunities for exploring these values in every subject area.