**BEARPARK PRIMARY SCHOOL COMPUTING POLICY**

**Intent:**

We want to create a curriculum that gives children a sense of pride about living in Bearpark (heritage).

We will give children a wide range of opportunities – anyone can do anything!

We will show children the world beyond Bearpark.

We will enable the children to know more, and remember more.

We will help children to become better learners (problem solvers and readers).

**Computing vision statement**

In line with our intent, Bearpark Primary endeavours for all pupils to be confident users and controllers of ICT in our continuously-developing technological society.

To fulfil this need, we will provide pupils with a wide range of opportunities to develop and apply their Computing knowledge in a creative and confident way in a secure environment. We also aim to use Computing to support and enhance learning throughout the curriculum. We encourage the children to use what they have learned in class, both in school and in the outside world. We take Online Safety very seriously and children throughout the School are taught how to use technology appropriately.

**Aims**

Learning within computing should offer opportunities for all children to:

* Understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
* Analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.
* Evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.
* Develop an understanding of how to become responsible, competent, confident and creative users of information and communication technology

Training and support should offer opportunities for all staff to:

* Use ICT to support their work in the planning, preparation and delivery of teaching and supporting children’s learning.
* Develop their skills and knowledge of Computing.
* Use ICT to assist with administration tasks and the recording of children’s attainment through the use of i-track.
* Use ICT (through use of Office365 and staff emails) to communicate with staff.
* Ensure utmost care of pupil data is taken in line with requirements set out in the online safety policy.

The teaching of Computing should offer opportunities for all children to:

* Develop Computing capability, in line with the National Curriculum and National standards.
* Develop their knowledge of what algorithms are and how they are implemented as programs on digital devices.
* Develop their logical reasoning skills to predict the behaviour of simple programs.
* Develop their ability to use ICT to support their use of language and communication in other areas of the curriculum.
* Use technology purposefully to create, organise, store, manipulate and retrieve digital content.
* Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.
* Use ICT to work in collaboration with other children, within school, in London and from other cultures across the world.

**Present resource provision**

The school currently has:

Desktop computers in classes which are connected to the school network and the internet.

Access to laptops that are suitable for use in class.

Access to ipads that are suitable for use in class.

Each class is equipped with interactive whiteboards.

The children are also encouraged to experience the wider applications of technology by using technological equipment within the school and the world around them.

In addition there is a variety of software suitable for all machines.

**Responsibilities of Computing Leader.**

Liaise with other members of staff to review the computing policy including the acceptable use policy for internet access (Online safety).

Liaise with the CPD co-coordinator and advise on training and support for whole staff and individual teachers.

Provide an action and development plan.

The computing leader, headteacher and office manager to hold an inventory of computers and peripherals, software licences, serial numbers and approximate purchase date and to update records of hardware.

Support other teachers in the use of developing computing across the curriculum.

Work with EDA to audit needs and implement plan.

**Responsibilities of class teachers**

To build on pupils’ current knowledge of computing.

Teach computing skills in accordance with curriculum guidance ensuring that there is a focus on programming.

Discuss and develop rules for internet use - ensure that online safety is discussed with the children.

Integrate computing throughout the curriculum.

Display material which demonstrates and celebrates work.

Maintain work folders and a classbook of evidence.

Manage a class login with folders for each pupil.

Assess pupil’s computational skills.

To inform the computing coordinator of the use of computing by providing planning, assessment and samples of work.

To report problems.

Ensure that resources, computers and ipads are used carefully and replaced neatly after lessons.

**Technical support**

Technical support is provided by the County Council ITSS service. The technician visits the school every second Wednesday. Services include networking, on-site repair and recommendations.

ITSS SLA for assistance when required.

**Entitlement to the curriculum**

All pupils have equal access and opportunities to use and succeed in Computing.

* Children have opportunities to work independently and collaboratively when using ICT and groupings are varied according to ability and the specific activity.
* Teaching staff, in line with the Assessment Policy, keep records of children’s experiences and attainments. Assessments are recorded using tracking sheets.
* Children with Special Educational Needs use appropriate software to support their learning across the curriculum, particularly in Literacy and Numeracy, and teaching support staff are regularly trained and briefed on using these programs successfully.

**Curriculum organisation**

All teachers are encouraged to use technology during lessons when appropriate. Opportunities to use ICT should be provided in lessons across the curriculum.

The computing coordinator should ensure that there is a wide variety of software available. Training can be provided for those wishing to improve their knowledge of computing.

Planning has been developed in long and medium term formats with experts from the local authority, using the Teach Computing materials, to reflect a progression of skills and content linked to the National Curriculum. Its suitability is continually assessed and developed using staff feedback, work scrutinies and audits. Project EVOLVE is used for digital literacy and e-safety teaching.

**Assessment and record keeping.**

On-going, formative assessment is an integral part of good practice. Its main purpose is to enable the teacher to match work to the abilities and needs of the children.

Children’s computing capability should be monitored regularly in accordance with curriculum guidance.

Samples of work should be kept in floorbooks and saved on computers and ipads. Foundation stage staff should record children’s progress using observations and through discussion with the children.

**Professional development**

A staff skills audit should be undertaken every year to ensure the staff feel confident in the use of ICT.

Any staff who have attended courses could train others during insets and staff meetings.

New staff will be informed of the computing policy and supported by the computing leader and members of the SLT.

**Access to internet.**

See online safety policy.

**Links to school development plan**

The computing leader produces an action and development plan each year outlining a set of targets.

An audit of resources will be undertaken yearly.

Staff training needs will be met through the use of audits and arranging training for individuals as required.

Review and evaluation period.

As the curriculum is undergoing great change it will be the responsibility of the computing coordinator to review the policy and the effectiveness of the scheme of work and make necessary changes with the support of the SLT.

**Health and Safety.**

Food and drink should not be consumed near computing equipment.

Computing equipment should be stored securely and cleaned regularly.

Staff should ensure children are seated comfortably and make them aware of the dangers of continuous use (eye/wrist strain).

An adult should monitor children’s use of the internet.

If staff are informed by children of misuse on the internet at home all incidents should be reported to the school’s DSL.

Stock check – termly.

Date September 2022

Review Date September 2023