Badgerbrook Primary School

Computing Policy

Our vision for computing

"At Badgerbrook we recognise that children are growing up in a technological age. We believe that computing is an integral part of day to day living and prepares children to participate in a rapidly changing world. It is essential that all our pupils and staff develop the necessary skills they will need to prepare them for life in a world that is increasingly transformed by technology."

Aims for Computing / Intent

The school's aims for Computing are to:

- Enrich learning for all pupils.
- Meet the requirements of the Foundation Stage curriculum and the National Curriculum for Computing.
- Use computing to support problem solving and learning across the curriculum.
- Enable children to have a growing awareness of how information technology and computer science is used in the world around them and the benefits that it provides.

The aims of Computing are to enable children to:

- Persevere to become competent in coding for a variety of practical and inventive purposes, including the application of ideas within other subjects.
- Explore and understand the connected nature of devices.
- Have the ability to communicate ideas well by using devices independently throughout the curriculum.
- To build on and develop existing knowledge through the skills taught in each year group to maintain continuity, progression and challenge.
- Have the ability to collect, organise and manipulate data and digital content effectively and to then communicate findings.
- Select, use and explore a variety of software, working purposefully with others, asking questions and overcoming challenges.
- To educate children about the dangers of the internet and social network use and ways in which they can protect themselves.

Teaching and learning/ implementation

In order to meet the Children's needs at Badgerbrook we are committed to providing a broad, balanced and exciting computing curriculum. Children are taught computing skills which are often used to support learning across the curriculum and help children to make links to other areas of the curriculum. This helps to put their learning into context. They are also given the opportunity to demonstrate their computing capabilities in independent tasks. It is recognised that children have differing computing experiences. This is especially true when some children have access to equipment at home, while others do not. Learning opportunities are provided for all children by matching the challenge of the task to the ability and experience of the child. We achieve this by:

- Taking account of differentiation and progression in planning.
- Considering all learning styles.

- Using open questions to challenge children's thinking and learning.
- Creating stimulating learning environments.
- Ensuring independent learners have access to a variety of resources and are encouraged to reflect on the choices that they have made.

Computing curriculum

At Badgerbrook we follow the national curriculum for Computing as the basis for its curriculum planning. An overview for computing shows how the objectives are distributed across the age groups, and how these fit together to ensure progression. Computing is planned to build upon prior learning. Opportunities are offered for children of all abilities to develop their skills and knowledge in each area of Computing, and are increasingly challenged as they move up through the school. Each class is allocated a time to use the Computer Suite to accomplish their Computing scheme of work. Individual computers in classrooms support the development of computing capability by enabling further development of tasks; encourage research and allow for the creative use of Computing in other areas of the curriculum.

Computing is also taught in foundation classes as an integral part of the themed work covered during the year. The foundation classes follow the EYFS Curriculum Guidance, therefore, the computing aspects of the children's work are related to the objectives set out in the Early Learning Goals. These underpin the curriculum planning for the children. The children have computing and ICT experiences indoors, outdoors and through role play in both child initiated and teacher directed time.

Assessment/ impact

Each child has their own log-in and from Foundation their own computing portfolio. Teacher or staff member assess children's work in Computing by making informal judgements as they observe them during lessons. Children are encouraged to save their work into electronic folders on the pupil network and, when appropriate, to print out work as a record of their achievements.

Monitoring and review

The monitoring of the standards of the children's work and of the quality of teaching in Computing is the responsibility of the Headteacher and the Computing Subject Leader. The Computing Subject Leader is also responsible for supporting colleagues in the teaching of information technology and coding, for keeping informed about current developments in the subject and for providing a strategic lead and direction for the subject in the school. The teacher or staff member supervising any pupil has the primary responsibility of monitoring the Internet for pupil safety and appropriate use. Pupils are prohibited from using the Internet without direct supervision of a teacher or staff member.

Technical support

Ongoing support in Computing is provided daily by the Computing Subject Leader and the IT Network Manager. Technical problems are recorded by staff and dealt with daily, either by the Computing Subject Leader, the IT Network Manager or our Internet Provider.

Health & Safety

This policy is linked to the Health and Safety policy and to the E-Safety Policy. Before being allowed to work with computers in school, children will be made aware of the rules for acceptable use of the internet and acceptable behaviour. These rules are on display and

are discussed regularly during lesson time. Computing equipment is secured with a security locking device where possible.

Monitoring and Evaluation

This policy will be reviewed as part of the monitoring and evaluation cycle. It was last updated in March 2020.

Computing Subject Leader: **Miss P Salt**

Signed: Date: March 2020

                Headteacher