Brady Primary School

Computing Policy

‘Inspiring teaching for ambitious learners’

Policy Created- September 2025

Reviewed -

Aims of Brady Primary School

“Inspiring teaching, for ambitious learners”

At Brady Primary School our ethos is built around our 4 core values of Dedication, Inspiration, Respect and Achievement. These help us to provide a safe, caring and stimulating environment, which offers opportunities:-

- For everyone within the school to reach their full potential and develop self-worth, self-confidence, the ability to take responsibility for their own individual actions, and resilience.
- For everyone within the school to have a sense of wonder, an enthusiasm for learning and help children to develop as independent thinkers and learners with enquiring minds.
- To encourage and develop a respect and understanding for others.
- To develop all partnerships, small and large, from the individual parent to the wider community and beyond to support children’s learning.
- To give children access to a broad and balanced creative curriculum to attain the highest possible standards in relation to prior attainment through assessment, teaching and learning.

Equal opportunities and Inclusion

At Brady Primary School we believe that every child is entitled to equal access to the curriculum, regardless of race, gender, class or disability. We are committed to promoting learning and teaching environments, for all that embed the values of inclusive educational practices. Through a child-centered approach, we aim to ensure that education is accessible and relevant to all our learners, to respect each other and to celebrate diversity and difference.

Contents of this Policy

The teaching of Computing at Brady Primary School

At Brady Primary School, Computing is a vital part of our curriculum. It equips pupils with the skills and knowledge to understand and change the world through computational thinking, creativity and digital literacy. Computing is a statutory subject at all key stages. The school meets the requirements of the National Curriculum for Computing (2014) through the Teach Computing scheme of work, supplemented with Project Evolve for progressive online safety education.

This policy outlines our approach to teaching and learning in Computing, ensuring it reflects the requirements of the National Curriculum and the ethos of Brady Primary: “Inspiring teaching for ambitious learners.

Aims

We aim for all pupils to:
- Become confident, creative and responsible users of technology.
- Understand the principles of computer science, including algorithms, data, and networks.
- Develop skills to design, write and debug programs, applying logical reasoning and problem-solving.
- Use information technology to create and present content with purpose and audience in mind.
- Evaluate and manage the benefits and risks of technology respectfully and safely.

EYFS: Technology is integrated into play-based learning through a needs-met approach, linking to Understanding the World.

KS1 & KS2: Pupils follow the Teach Computing scheme, ensuring full coverage of:
- Computer Science (programming, algorithms, networks)
- Information Technology (content creation, data handling, multimedia)
- Digital Literacy (using technology purposefully and responsibly)

The school’s long-term overview ensures progression from Year 1 to Year 6. Units are taught discretely but with meaningful cross-curricular links, allowing Computing to enhance learning across subjects.

Implementation

When delivering the National Curriculum for Computing, teachers are expected to employ a range of strategies and to use their professional judgement to decide on the most appropriate teaching and learning style for the class, groups of pupils or individual pupils.

Approaches and strategies used may include:

- an ‘unplugged’ approach in order to develop their understanding of some of the underlying concepts of Computer Science

- 'plugged' activities which allow pupils to practise and demonstrate their levels of understanding.
- using presentation technology to demonstrate something to a group of pupils or the whole class
- leading a group or class discussion about the benefits and risks of technology
- individual or paired work
- collaborative group work
- pupil led demonstrations / peer mentoring. NB - Where one pupil is used to demonstrate or teach a skill to others, the teacher must feel confident that this is of benefit to all those involved.

- differentiated activities planned to allow different levels of achievement by pupils or to incorporate possibilities for extension work.
- teacher intervention where appropriate to support a pupil, reinforce an idea, teach a new point or challenge pupils' thinking.

Online Safety (Project Evolve)

At Brady Primary School we believe that the use of technology in schools brings great benefits. To live, learn and work successfully in an increasingly complex and information-rich society, our children must be able to use technology effectively. The use of these exciting and innovative technology tools in school and at home has been shown to raise educational standards and promote pupil achievement. Yet at the same time we recognise that the use of these technologies can put young people at risk within and outside the school.

Online Safety is embedded in all year groups through:
- Weekly/termly Project Evolve lessons covering themes such as self-image, relationships, reputation, online bullying, information management, health and wellbeing, privacy, and copyright.
- Whole-school events, such as Safer Internet Day.
- Integration into PSHE and assemblies where appropriate.

The assessment of computing at Brady Primary School

Formative assessment is ongoing within lessons, focusing on skills, understanding and digital outcomes. Summative assessment is recorded termly, aligned with progression frameworks. Monitoring includes lesson observations, pupil voice, and work scrutiny.