



ST. NICHOLAS SCHOOL CHILD OKEFORD

A CHURCH OF ENGLAND VOLUNTARY AIDED PRIMARY SCHOOL

MISSION STATEMENT

'Be the best you can be!'

I can do all things through God who strengthens me.

Philippians 4:13

Every voice heard, every day a new chance, everyone exploring
opportunities.

ICT POLICY

DATE ADOPTED
May 2020

REVISION NUMBER
1

LAST REVIEW

NEXT REVIEW
May 2022

Intent

The use of information and communication technology is an integral part of the national curriculum and is a key skill for everyday life. At St Nicholas CE VA Primary School, we strive to provide up to date computing devices and software to allow children to progress and learn the skills needed to use devices effectively and safely. This policy aims to set out how the school will achieve these goals.

We aim to:

- Provide a relevant, challenging and enjoyable curriculum for computing for all pupils.
- Meet the requirements of the national curriculum programmes of study for computing.
- Use computing as a tool to enhance learning throughout the curriculum.
- To equip pupils with the confidence and capability to use computing throughout their later life.
- To develop the understanding of how to use computing safely and responsibly.

The National Curriculum for computing aims to ensure that all pupils:

- Can understand and apply the fundamental principles of computer science, including logic, algorithms, data representation, and communication.
- 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.

Implementation

At St Nicholas CE VA Primary School, Code.org is the primary tool for learning coding and programming skills. Additional resources and programmes listed under 'Resources' can be used to supplement learning through Code.org.

Teaching of computing can be done in a whole class setting or with smaller groups on a rota basis. Through Code.org, the children will learn each aspect of the coding curriculum, including inputting simple algorithms, executing instructions and solving problems. Code.org also covers areas of the curriculum, such as how the internet and networks work and the World Wide Web.

Each class covers a particular set of coding skills appropriate to their age group. Skills are broken down into 'Lessons' with each section building on the skills from the previous section.

Scratch can be used on the iPads as a supplementary learning tool to Code.org. Scratch enables younger children to write and test simple programs. Scratch also gives the opportunity for cross-curricular work, such as writing and storyboard as necessary.

Internet safety is taught in each year group. Teachers follow the Common Sense Digital Citizenship program. Multiple aspects of E-Safety are covered over the year at age appropriate levels for all children in line with the National Curriculum.

The school strives to continually update the resources available for teaching to ensure that all strands of the IT Curriculum are deliverable.

The school uses a variety of resources to teach the IT Curriculum across Key Stage 1 and 2.

The children will use:

- Coding programmes such as Code.org, Scratch
- iPads, cameras
- Laptops and printers
- Music composition software
- Paint
- Microsoft Office

Intended Impact

- Children will have increased confidence in coding in a variety of different contexts.
- Children will have greater literacy in ICT skills, including using the laptops, iPads and searching the web.
- Children will understand how to use devices responsibly and sensibly, knowing how to stay safe online.
- The monitoring of the quality of teaching in computing and E-Safety coverage is the responsibility of the subject leader. The subject leader is also responsible for supporting colleagues in the teaching of computing, for keeping informed about current developments in the subject and for providing a strategic lead and direction for the subject in the school.
- All teachers have access to the Code.org admin account where they can monitor and evaluate children's progress and coverage of lessons and skills. Feedback is best given during teaching.