Computing policy

At our school we celebrate our faith diversity and provide a safe environment where our children are happy to learn. We are kind, caring and respectful to others. We aim to inspire future generations of our school and community to become lifelong learners.
Proverbs 2:10 - For wisdom will enter your heart and knowledge will fill you with joy.

School vision statement

Introduction

Computing and ICT (Information and Communication Technology) is changing the lives of everyone. The use of ICT is an integral part of the national curriculum and is a key skill for everyday life. Through the teaching of ICT we equip children to participate rapidly-changing world where work and leisure activities are increasingly transformed by technology. We enable them to find, explore, analyse, exchange and present information. We also focus on developing the skills necessary for children to be able to information in an effective way. ICT skills are a major factor in enabling children to be confident, creative and independent learners. At Savile Town CE (C) Infant and Nursery School we recognise that pupils are entitled to quality hardware and software and a structured and progressive approach to the learning of the skills needed to enable them to use it effectively.

Intent

- To provide a relevant, challenging and enjoyable ICT curriculum in ICT for all pupils, including those with SEN and disabilities.
- To meet the requirements of the national curriculum programmes of study for ICT.
- To develop ICT as a tool to enhance learning throughout the curriculum.
- To respond to new developments in technology.
- To apply their ICT skills and knowledge learning in other areas.
- To equip pupils with confidence and capability to use ICT throughout their later life.
- To develop understanding of how to use ICT safely and responsibly.
- To develop ICT capability in finding, selecting and using information.
- To use ICT for effective and appropriate communication.
- Ensure ICT is used, when appropriate, to improve access to learning from pupils with a diverse range of individual needs including those with SEN and disabilities.

National curriculum

The national curriculum for ICT 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 ICT 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 ICT.

Implementation

The school believes that Computing and ICT:

- Gives pupils immediate access to a rich source of materials.
- Can present information in new ways which help pupils understand and access and use it more readily.
- Can motivate and enthuse pupils.
- Can help pupils focus and concentrate.
- Offers potential for effective group working.
- Has flexibility to meet the individual needs and abilities of each pupils.
- The skills of the staff are kept up to date.

Early Years

It is important in the foundation stage to give children a broad, play-based experience of ICT in a range of contexts, including outdoor play. Early years learning environments should feature ICT scenarios based on experience in the real world, such as role play. Children gain confidence, control and language skills through opportunities to 'paint' on the whiteboard or programme a toy. Recording devices can support children to develop their communication skills.

Key stage 1

By the end of key stage 1 pupils should be taught to:

- Understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following a sequence of instructions.
- Write and test simple programs.
- Use logical reasoning to predict and ICT the behaviour of simple programs.
- Organise, store, manipulate and retrieve data in a range of digital formats.
- Communicate safely and respectfully online, keeping personal information private, and recognise uses of information technology beyond school.

Equal opportunities

The National Curriculum states that, 'All pupils, regardless of race, class or gender, should have the opportunity to develop their ICT capability.

We aim to ensure:

- All children participate in ICT lessons and provision in the classroom.
- All children have equal access and fairness of distribution of ICT resources.
- The curriculum materials and software are not class, gender or racially bias.
- We monitor the level of access to technology in the home environment to ensure no pupils are unduly disadvantaged.

Assessment

Teachers and support staff through discussion with pupils can monitor progression and the work produced. Examples of work are kept throughout the year and are on display to reflect that terms learning.

Impact

- Children will be confident users of technology both at home and school.
- Children have a secure and wide knowledge of the implications of technology and digital systems. This is in relation to the rapid changes in technology.
- Children will be able to apply the British Values when using digital systems.

Internet safety

Internet is planned to enrich and complement cross curricular activities when used within school. We acknowledge that all pupils are responsible and safe users of the internet and other communication technologies. Use of the internet is monitored by out ICT technician through smooth wall and there is a separate policy (online safety policy) for the use of internet in schools.

Role and Responsibilities

There is a ICT Co-ordinator who oversees the progression and delivery of ICT within school. They are responsible for:
- Monitoring the progression and deliver of ICT throughout school from EYFS to KS1.
- Facilitating the use of ICT across the curriculum.
- Identify the need for training and offer support to keep staff skills and knowledge up to date.
- Coaching colleagues about effective teaching strategies, managing equipment and purchasing resources.

Appropriate legislation, including copyright and data protection

All software loaded on school computer systems must have been agreed with the designated person within school. All our software is used in strict accordance with the licence agreement. We don't allow personal software to be loaded onto school computers.

Please refer to the school's Data Protection Policy.

Updated by: K. Asquith-Dolan (May 2022)