



All Saints Benhilton C of E Primary School Computing Policy

2019-2022



Together, within God's love, we nurture and inspire today's minds for tomorrow's challenges.

Introduction

Knowledge and use of computers and computer systems is an integral part of the National Curriculum and a key life skill. In an increasingly digital world there now exists a wealth of software, tools and technologies that can be used to communicate, collaborate, express ideas and create digital content. At All Saints Benhilton C of E Primary School, we recognise that pupils are entitled to a broad and balanced Computing education with a structured, progressive approach to learning how computer systems work, the use of technology, emerging technologies and the 21st Century skills necessary to become digitally literate and participate fully in the modern world.

The purpose of this policy is to state how the school intends to make this provision.

Aims

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 technologies.

The school's aims are to:

- Meet the requirements of the national curriculum programmes of study at Key Stages 1 and 2
- Provide a broad, balanced, challenging and enjoyable curriculum for all pupils.
- Develop pupils' computational thinking skills.
- To respond to new developments in technology.
- To equip pupils with the confidence and 21st Century skills to use digital tools and technologies throughout their lives.
- To enhance and enrich learning in other areas of the curriculum using technology and computing.



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- To develop the understanding of how to use computers and digital tools safely and responsibly

Rationale

We believe that IT, computer science and digital literacy:

- are essential life skills necessary to fully participate in the modern digital world.
- allow children to become creators of digital content rather than simply consumers of it.
- provide access to a rich and varied source of information and content.
- communicate and present information in new ways, which helps pupils understand, access and use it more readily.
- can motivate and enthuse pupils.
- offer opportunities for communication and collaboration through group working both inside and outside of school.
- has the flexibility to meet the individual needs and abilities of each pupil.

IT and computing skills are developed through core and foundation subjects. Where appropriate, IT and Computing should be incorporated into schemes of work for all subjects. Technologies and Computing should be used to support learning in other subjects as well as developing computing knowledge, skills and understanding.

Resources and access

The school acknowledges the need to continually maintain, update and develop its resources and to make progress towards consistent, compatible computer systems by investing in resources that will effectively deliver the objectives of the National Curriculum and support the use of technology, computer science and digital literacy across the school. Computing network infrastructure and equipment has been sited so that all children have equal access to a variety of resources, with some in classrooms and some in the central computer suite.

All Saints Benhilton is a Google Champion school. Google's mission is to organise the world's information and make it universally accessible and useful ensuring that teachers and students everywhere have access to learn and work together. Google provides All Saints Benhilton with powerful solutions that are affordable, secure, and easy to use and protect teacher and student privacy by providing the best security measures.

Planning

The school uses Rising Stars Computing Scheme of Work for Primary schools in Key Stage and 2. Pupil progress towards these objectives will be recorded by teachers as part of the school recording system. Staff will follow and adapt where appropriate the Rising Stars



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Computing planning guidance. Children in the Early Years Foundation Stage work through the steps towards the Early Years Technology Goals.

Inclusion

Some children may have particular teaching and learning requirements which go beyond the provision for that age range and if not addressed, could create barriers to learning. This could include those with SEN, those who have EAL and/or those for whom the school receives a pupil premium grant. Teachers must take account of these requirements and plan, where necessary, to support individuals or groups of pupils to enable them to participate effectively in the curriculum and assessment activities.

During any teaching activities, teachers should bear in mind that special arrangements could be made available to support individual pupils. This is in accordance with the school inclusion policy.

Assessment and record keeping (also see assessment policy).

Teachers regularly assess progress through formative and summative assessment half termly, using the Rising Stars Assessment criteria or the Early Years Foundation Stage profile. Once the children complete a unit of work, we make a summary judgment of the work for each pupil as to whether they have yet to obtain, have obtained or exceeded the expectations of the unit.

Monitoring and evaluation

The subject leader is responsible for monitoring the standard of the children's work and the quality of teaching in line with the schools monitoring cycle. This is through lesson observations, pupil discussion and evaluating pupil work.

Equal opportunities (see also equal opportunities policy)

We will ensure that all children are provided with the same learning opportunities regardless of social class, gender, culture, race, disability or learning difficulties. As a result, we hope to enable all children to develop positive attitudes towards others. All pupils have equal access to computing and all staff members follow the equal opportunities policy. Resources for children with SEN, PPG, EAL and those who are gifted & talented will be made available to support and challenge appropriately.

The role of the class teacher

Individual teachers will be responsible for ensuring that pupils in their class have opportunities for learning and using their knowledge, skills and understanding of Computing across the curriculum.



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Health and safety (see also health and safety policy)

The school is aware of the health and safety issues involved in children's use of IT and computing. All fixed electrical appliances in school are tested by a Local Authority contractor every five years and all portable electrical equipment in school is tested by an external contractor every twelve months.

Security

We take security very seriously.

- Our external IT support specialists are responsible for regularly updating anti-virus software.
- Use of technology will be in line with the school's 'acceptable use policy'.
- All staff, volunteers and children must sign a copy of the schools AUP.
- Parents will be made aware of the 'acceptable use policy' at school entry.
- All pupils and parents will be aware of the school rules for responsible use of technology and computing and the internet and will understand the consequence of any misuse.
- The agreed rules for safe and responsible use of IT and Computing and the internet will be displayed in all areas.

Digital activity within school is monitored using Impero EdAdmin which is a network management software module, providing us with a comprehensive suite of remote network administration tools designed to help streamline networks, improve efficiency, and save time. Managed via a centralised web console, Impero EdAdmin enables staff to remotely track, monitor, and manage resources across the entire school network.

Parental involvement

Parents are encouraged to support the implementation of IT and Computing where possible by encouraging use of IT and computing skills at home. Parents will be made aware of issues surrounding online safety and encouraged to promote this at home.

Computing Subject Leader: V. Lupoli

Next Review 2022