Baslow St. Anne's Church of England Primary School

Growing healthy minds and hearts together

"Life in all its fullness"

Computing Policy

Version	Date	Author	Minute Number	Reason for Change
1	Dec. 2014	T Osborn		
2	May 2017	T Osborn		• Updated to changes of resources and values and vision
3	October 2019	T Osborn		• Updated changes to Principles and Values
4	February 2022	T Osborn		• Principles and Values • Contribution of Computing in other curriculum areas

				• Terminology (e Safety – Online Safety) • Hardware & Software
5	September 2024	T. Osborn	06/C&S/10/24	• Chair of Governors • Education for a Connected World framework (2020). • Kapow • Software
6	October 2025	T. Osborn	06/C&S/1025	No changes
7	September 2026	M. Clark	06/C&S/0926	Amended software resources

Principles and Values

At Baslow St. Anne's Church of England Primary School we believe that it is vitally important that everybody is safe, confident and happy in our school community. We aim to provide an environment in which our children feel safe, secure and confident, are respectful citizens in and out of school and nurture the Christian values that underpin all that we do. We believe that our children and staff should lead 'a life in all its fullness', nurturing our vision of growing healthy minds and hearts together. We strive to ensure this is in place to enable every child to achieve their full potential and be prepared for their next step in life.

We ensure that our Computing curriculum includes the key aspects from the 'teaching online safety in school' document released in June 2019 and the Education for a Connected World framework (2020). As individual staff, we plan our teaching and learning to guarantee that we are keeping all children safe in education when using technology within their lessons.

As a school, we recognise the importance of working with parents when teaching Online Safety. School actively engages with parents by providing training and updates when possible to empower all parents to feel confident when engaging with keeping children safe online.

What is Computing?

Computing is the study and use of systems that handle information electronically. Computers are the most obvious of these but also include iPads, programmable robots, cameras, calculators and other electrical devices.

Aims and Objectives

A high-quality computing education enables pupils to use computational thinking to understand and change the world. The computing curriculum allows close links with mathematics, science, design and technology and provides insight into how ICT is changing the lives of everybody. Through the teaching of computing, we are equipping pupils with the skills needed to participate in a rapidly changing world where both work and leisure activities are increasingly transformed by technology.

The aims of computing are to enable children:

- to understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- to analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.
- to evaluate and apply information technology, including new and unfamiliar technologies, analytically to solve problems.
- to be responsible, competent, confident and creative users of information and communication technology.
- to nurture an interest and love of learning in this area
- to use computer technology safely

Teaching and Learning of Computing

As the aims of Computing are to equip children with the skills necessary to use technology to become independent learners, the teaching style that we adopt is as active and practical as possible. While at times we do give children direct instruction on how to use hardware or software, the main emphasis of our teaching in computing is for individuals or groups of children to use computers to help them with their topic work. For example, children might research a history topic by using an App, or use the internet to investigate a certain issue. We encourage children to explore ways in which ICT can improve their results, for example, how a piece of writing can be edited or how the presentation of a piece of work can be improved by changing or moving text. We also incorporate opportunities to develop skills such as speed typing as this is deemed as an important skill, especially in readiness for secondary school.

We recognise that all classes have children with widely differing abilities in information technology. This is especially true when some children have access to IT equipment at home, while others do not. We provide suitable learning opportunities for all children by matching the challenge of the task to the ability and experience of the child. We achieve this in a variety of ways by:

- setting common tasks which are open-ended and can have a variety of responses.
- setting tasks of increasing difficulty.
- grouping children by ability in the room and setting different tasks for each ability group.
- providing resources of different complexity that are matched to the ability of the child.
- using classroom assistants to support the work of individual children or groups of children.

Computing curriculum planning

The school uses the National Curriculum objectives and outcomes for computing as the basis for its curriculum planning while utilising Kapow online planning to ensure objectives are taught, assessed and are progression occurs throughout school.

The school has purchased the Rising Stars scheme of work that contains both long and medium planning on an individual year group basis.
The Long-term plan maps the computing topics that the children will study throughout each term during each year group. Our long-term plans show how teaching units are distributed across the year and fit together across our school topics.

Our medium - term plans give details of each unit of work for each term. They identify the key learning objectives for each unit of work and stipulate the curriculum time that we devote to it. These medium - term plans are well detailed and also act as short term plans, which are evaluated by the class teacher weekly. The Computing subject leader is responsible for keeping and reviewing these plans.

The topics studied in Computing are planned to build upon prior learning. While we offer opportunities for children of all abilities to develop their skills and knowledge in each unit, we also build planned progression into the scheme of work, so that the children are increasingly challenged as they move up through the school.

Foundation Stage

We teach computing in EYFS as an integral part of the topic work covered during the year. As the reception class is part of the Foundation Stage of the National Curriculum, we relate the Computing aspects of the children's work to the objectives set out in the Early Learning Goals, which underpin the curriculum planning for children aged three to five. The children have the opportunity to access a wide range of ICT equipment in order to achieve the goals.

The Contribution of computing to teaching in other curriculum areas

Computing contributes to teaching and learning in all curriculum areas. For example, graphic work links in closely with work in art, and work using databases supports work in maths. Computing enables children to present their information and conclusions in the most appropriate way.

English

Information technology is a major contributor to the teaching of English. Through the development of keyboard skills and the use of computers, children learn how to edit and revise text. They have the opportunity to develop their speaking and listening skills by communicating with authors over the internet. They learn how to improve the presentation of their work by using presentational or publishing software. For example,

e-books and interactive resources are used as part of the Hamilton Trust Planning.

OneDrive allows children to create, save and share their writing more efficiently when created on line. OneDrive enables children to access their work from a wide range of devices and allow more collaborative working with peers and support staff internally within school.

Maths

Many computing activities build upon the mathematical skills of the children. Children use computing in maths to collect data, make predictions, analyse results and present information graphically. They also acquire measuring techniques involving positive and negative numbers and including decimal places. For example: Abacus and Hamilton Trust.

Times table Rockstars is utilised within school to promote the learning of Times tables and to prepare Year 4 children for the online Times Table test to be completed within this year.

Personal, social and health education and citizenship

Computing contributes to the teaching of PSHE and citizenship as children learn to work together in a collaborative manner. They develop a sense of global citizenship by using the internet and email. Online Safety is taught through the discussion of moral issues related to electronic communication, children develop a view about the use and misuse of technology and social media, and they also gain a knowledge and understanding of interdependence of people around the world. Each lesson will contain an element of Online Safety and this will be tailored to suit the age of the class, to address any news stories, worries or any new interventions introduced.

Staff all have access to Project Evolve which allows teachers to access age appropriate resources and teaching ideas that ensure a robust and effective Online Safety curriculum can be provided.

Teaching Computing to children with special educational needs

At our school we teach computing to all children, whatever their ability. Computing forms part of the school curriculum policy to provide a broad and balanced education to all children. Through our teaching of Computing, we provide learning opportunities that enable all pupils to make progress. We do this by setting suitable learning challenges and responding to each child's different needs. Assessment allows us to consider each child's attainment and progress against expected levels.

Safe Internet access

The school provides internet access for all pupils and the school has an Internet Policy. This access is filtered to minimise the chances of pupils encountering undesirable materials. Members of staff are aware of the potential for misuse and are responsible

for explaining to pupils that there are certain levels of expectation of behaviour when the Internet is being accessed, both at school and at home. An Internet home school agreement is part of the information given to parents of all new children and a signed agreement is made through this between the school, children and parents.

Assessment and Recording

Teachers assess children's work in Computing by making informal judgments as they observe them during lessons. On completion of a piece of work, the teacher assesses and provides feedback where necessary. At the end of the unit of work the teacher will make a summary judgment about the work of each pupil in relation to the National Curriculum expected outcomes and Assessment for Learning (AFL) informs planning and next steps in learning. The class teacher then passes this information on to the next teacher at the end of the year.

It is intended that the Computing subject leader keeps samples of the children's work in a portfolio. This will demonstrate the expected level of achievement in Computing for each age group in the school.

Resources – see Appendix 1

Monitoring and review

The monitoring of the standards of the children's work and the quality of teaching in Computing is the responsibility of the Computing subject leader. The computing 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. The computing subject leader gives the head teacher an annual summary report in which the strengths and weaknesses in the subject are evaluated and indicates areas for further improvement which may be included in the School Improvement Plan. The Computing subject leader has specially - allocated time for carrying out the vital task of reviewing samples of the children's work and for visiting classes to observe the teaching of Computing, work scrutiny and pupil interviews.

Written by T. Osborn December 2014

Reviewed by T. Osborn May 2017

Reviewed by T. Osborn October 2019

Reviewed by T. Osborn February 2022

Reviewed by T. Osborn September 2024
Reviewed by T. Osborn October 2025
Reviewed by M Clark 2026

Appendix 1

Our school has a computer in every classroom that has access to a printer and a scanner. The school also has a trolley of 20 Laptops for use within all classrooms. There are 10 iPads available for the use in any class. The school has full Internet coverage via Wi-Fi. The Computing subject leader of specific year group teacher will keep resources that are appropriate to the teaching of the curriculum.

Along with computers the school has:

Hardware

Laptops
Desktops
iPads
calculators
cd players
Colour Printers
digital cameras
interactive whiteboards
robots
scanners
video recorder
Visualisers

Software

~~Hamilton Trust~~
Lexia (until Dec. 2026)
Times Table Rock Stars
Little Wandle
Onedrive
PE programme
Project Evolve
Kapow
Painting drawing
Twinkl
Word processing