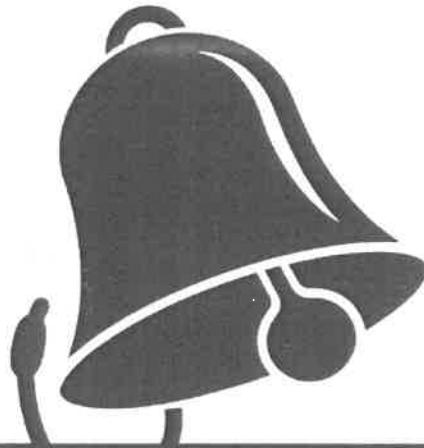


Southam Primary School



SOUTHAM PRIMARY SCHOOL

PART OF STOWE VALLEY MULTI ACADEMY TRUST

Computing Policy

Chair of Governors signature *N. Lester*

Headteacher's signature *E. Lapan*

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Person responsible for overseeing the implementation: Headteacher and Subject Leader



Stowe Valley
MULTI ACADEMY TRUST

Stowe Valley Multi Academy Trust
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Computing Policy

Our Vision

We aim for all children to reach their full potential by offering a creative and inspiring curriculum including COMPUTING. By the time that children leave Southam Primary School they will be able to use a range of technology safely and responsibly. They will be able to use computing to: design and write programs; collect and organise data; navigate the internet safely and responsibly and use a range of media creatively and for different purposes.

They will also have a good understanding of E-safety and how to protect themselves when using technology and what to do if they feel unsafe.

Aims

The school's aims are to:

- provide a relevant, challenging and enjoyable curriculum for computing accessible to all pupils;
- meet the requirements of the national curriculum programmes of study for computing;
- use technology as a tool to enhance learning throughout the curriculum;
- to respond to new developments in technology;
- to equip pupils with the confidence and capability to use technology outside of school both safely and responsibly.

The national curriculum for computing aims to ensure that all pupils:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms, and data representation.
- 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.

Objectives

Early Years Foundation Stage

Although there is no specific reference to computing in the new EYFS framework, it is important in the foundation stage to give children a broad, play-based experience of technology in a range of contexts, including outdoor play. Children gain confidence, control and language skills through

opportunities for example to manipulate a computer mouse, operate a remote-controlled toy or role play with a mobile phone. Recording devices can support children to develop their communication skills.

Key Stage 1

Pupils will have be taught strands of computer science, information technology and digital literacy throughout the year. They will be able to:

- log on to a computer and use a given password;
- write and test simple programs;
- identify different forms of technology used in and out of school;
- store, manipulate and retrieve data in a range of digital formats;
- communicate safely and respectfully online, keeping personal information private;
- use media creatively to create art work.

Key stage 2

Pupils will have been taught to:

- design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve problems; use sequence, selection, and repetition in programs;
- work with variables and various forms of input and output; generate appropriate inputs and precomputing outputs to test programs;
- use logical reasoning to explain how a simple algorithm works and to detect and correct errors in algorithms and programs;
- understand computer networks including the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration;
- describe how internet search engines find and store data; use search engines effectively; be discerning in evaluating digital content;
- respect individuals and intellectual property; use technology responsibly, securely and safely and have knowledge of issues around technology such as cyberbullying;
- Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Resources and access

The school acknowledges the need to continually maintain, update and develop its resources and to make progress towards a consistent, compatible computing infrastructure by investing in resources that will effectively deliver the strands of the national curriculum and support the use of technology across the school. Teachers are required to inform the MAT coordinator of any faults as soon as they are noticed via the fault logging system. Resources if not classroom based are located in the computer room or server room.

The computing network infrastructure and equipment has been sited so that:

- Every classroom from EYFS to Yr6 has a computer/ laptop connected to the school network with an interactive whiteboard, or fixed wide-screen screen, with sound.
- There is 1 laptop trolley in school containing 24 laptops with internet access available to use in classrooms. Some of these laptops are used to support individual pupils or classes.
- Pupils may use computers independently, in pairs, alongside a TA or in a group with a teacher. .
- The MAT has ICT technicians who provide support and repairs.
- Additional assemblies are booked across the year and phases to support with safer internet use and wider use of technology.
- The school makes use of online materials to support with reading (Accelerated Reader; Go-Read); times tables; behaviour management and parental contact (Class Dojo); Microsoft Teams (online meetings) and other resources as appropriate to enhance the curriculum.

Planning and Assessment

Lessons are planned in line with the national curriculum and will allow for clear progression. We use the Purple Mash scheme or work to ensure that all aspects of computing are effectively covered. Skills to be taught are outlined by the subject leader to teaching staff and monitored termly to ensure coverage. Pupil progress towards these objectives is recorded termly and yearly graded for individuals on OTrack.

The subject leader is responsible for monitoring the standard of the children's work and the quality of teaching in line with the school's progression grids. They collect evidence of progression in a subject portfolio. Subject leaders conduct lesson observations, work book scrutiny; pupil interviews and collection of data across the year. They may also conduct staff and parent questionnaires when appropriate.

Security/ On line Safety

- The MAT IT department will be responsible for regularly updating anti-virus software.

- Use of technology and computing will be in line with the school's 'acceptable use policy/E-safety policy'.
- All pupils and parents will be aware of the school rules for responsible use of computing and the internet and will understand the consequence of any misuse.
- All staff will comply with Warwickshire's safety bulletins and will comply with the school's requirements.
- On line safety is taught throughout the academic year with discrete lessons every half-term. The messages are reinforced throughout the academic year with additional references in assemblies, PSHE lessons and Internet Safety Day. The subject leader interviews children about their understanding of On line safety regularly when monitoring other aspects of the subject.
- ECadets is a national initiative which the school has joined in which child representatives of each class learn about E-Safety (3 specific projects per term) and then feedback to their class to teach their peers more about E-Safety issues.

Cross curricular links

Where appropriate, computing should be incorporated into all subjects. Technology and computing should be used to support learning in other subjects as well as develop computing skills.

Parental involvement

Parents are encouraged to support the implementation of computing where possible by encouraging use of computing skills at home during home-learning tasks and through the school website. They will be made aware of e-safety and encouraged to promote this at home including participation in Safer Internet workshops. All children have access to Purple Mash and it's resources at home.

