ST ANDREW'S METHODIST PRIMARY SCHOOL

STRIVING FOR EXCELLENCE-

WITH GOD

Computing Policy

Reviewed September 2026

Date of Next Review September 2027

Headteacher Anne Barker

Chair of Governors Margaret Hughes

This policy has been scrutinized to ensure it meets the requirements of the single equality duties. The school will make every reasonable adjustment to comply with the duties and actively avoid discrimination.

INTENT

As a school, we have chosen the Purple Mash Computing Scheme of Work for Key Stage 1 and Key Stage 2. The scheme of work supports our teachers in delivering fun and engaging lessons which help to raise standards and allow all pupils to achieve to their full potential. It provides immense flexibility, strong cross-curricular links and it gives excellent supporting material for equipping teachers to deliver the lessons. The delivery of computing and Online safety at St Andrew's is planned in line with the National Curriculum and allows for clear progression of skills and knowledge as children move through each stage of their education with us. Teachers use 'Purple Mash' as a scheme to support their planning and delivery of their lessons allowing students to use technology positively, respectfully and safely by:

- Providing an exciting, rich, relevant and challenging Computing curriculum for all pupils.
- Having online-safety is at the heart of each lesson.
- Teaching pupils to become responsible, respectful and competent users of data, information and communication technology.
- Developing computational thinking, problem-solving, and logical reasoning skills
- Promoting an understanding of the wider implications of digital technology, including online safety and digital citizenship
- Providing technological solutions for forging better home and school links.
- Enthusing and equipping children with the capability to use technology throughout their lives.
- Teaching pupils to understand the importance of governance and legislation regarding how information is used, stored, created, retrieved, shared and manipulated.
- Utilising computational thinking beyond the Computing curriculum.
- Equipping pupils with skills, strategies and knowledge that will enable them to reap the benefits of the online world, whilst being able to minimise risk to themselves or others
- Using technology imaginatively and creatively to inspire and engage all pupils

INTENT – Online Safety

Online safety is at the forefront at St Andrew's Methodist Primary School, to ensure this, we have also embedded 'Education for a connected world framework' into our curriculum through 2BeSafe lessons. These lessons are taught from Reception to Year 6 through Purple Mash and are aligned with the Connected World Framework. Each lesson is aimed to bring meaningful discussion based learning in short sessions allowing the children to build skills to protect themselves now and in the future. We ensure this framework and pupil needs are met by the following:

- Teaching online safety through 2BeSafe throughout the year rather than a stand-alone unit to revisit and reinforce.
- 2Besafe lessons are delivered from Reception through to year 6, these lessons build each year on the previous learning.
- A curriculum that is threaded throughout other curriculums and embedded in the day-to-day lives of our pupils.
- Pupils, staff and parents have Acceptable Use Policies which are signed and copies freely available.
- Our online safety policy clearly states how monitoring of online safety is undertaken and any incidents/infringements to it are dealt with.
- Filtering and monitoring systems for all our online access.

IMPLEMENTATION

Our computing curriculum follows the National Curriculum requirements and covers the following three strands:

Computer Science: Our pupils are taught the principles of computer science, including algorithms, programming, and data representation. They develop computational thinking skills through coding activities using a range of programming languages and tools.

Information Technology: Pupils are provided with opportunities to use digital tools and technologies effectively across a range of contexts. They learn to create, edit, and present information using various software applications.

Digital Literacy: Our curriculum enables pupils to develop digital literacy skills, including searching for and evaluating information online, understanding digital communication, and using technology safely and responsibly.

Early Years Foundation Stage Children are taught to:

- Play with electronic cars and vehicles in provision
- Use talking pegs and recording buttons
- Take photographs on iPads
- Make digital art using Purple Mash and other programs on iPads
- Play interactive games using Purple Mash and other programs on iPads
- Explore laptops using a mouse

Key stage 1 Pupils are taught to:

- Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- Create and debug simple programs
- Use logical reasoning to predict the behaviour of simple programs
- Use technology purposefully to create, organise, store, manipulate and retrieve digital content
- Recognise common uses of information technology beyond school
- Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.
  (National Curriculum 2014)

Key stage 2 Pupils are taught to:

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- Use logical reasoning to explain how some simple algorithms work 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

- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

(National Curriculum 2014)

COMPUTING LESSONS

Our pupils are timetabled for at least one session per week where pupils have access to their own computer or iPad, for a Computing lesson, which covers the skills and experience required to develop Computing Capability through the Purple Mash scheme.

Purple Mash may also be used in other subjects to support learning, and pupils have full access to Purple Mash at home too. Teachers use Purple Mash long term plans, revisiting key concepts and developing skills year on year.

A key part of implementing our computing curriculum is to ensure that safety of our pupils is paramount. Online safety is at the heart of our computing lessons ensuring all children have a right access safe online spaces and to benefit from all the opportunities that a connected world can bring them, appropriate to their age and stage. To ensure this online safety is taught through 2BeSafe program throughout the year. We support this way of learning to ensure online safety is revisited and reinforced all year round to keep online safety at the forefront of the children's learning.

Each child has their own work file on our school drive as well as their own digital files on Purple Mash. The children are set 2do's on Purple Mash for their lessons and then this work is saved in the children's work files. Children are taught and encouraged to use digital display boards as a safe way to share their learning and completed work. Teachers also use the digital display boards to share the outcomes of a unit of work and to evidence the children's achievements and outcomes. Display Boards can then be used the following year to recap previous learning and taught skills with the children before moving forwards to the new skills and learning.

TEACHING AND LEARNING ACROSS THE CURRICULUM

We recognise the significance of computing in supporting learning across the curriculum, and therefore, we actively seek opportunities to integrate computing skills and knowledge into other subjects. Subject leaders collaborate to identify and plan cross-curricular links, ensuring that computing is integrated seamlessly in the whole school curriculum.

- School use Seesaw and purple mash is used in every year group as a platform to communicate with parents and set children tasks for home learning. It is also a way for children to record their work in their own files.
- Additional laptops and iPads are available in class for use by all children, to give them further opportunities to develop their Computing skills through other subjects.
- Staff and pupils regularly and confidently access links to online resources.

- Pupils have access to Times Table Rock Stars, Seesaw and Purple Mash which gives them access to resources and challenges set by their own class teacher that they can access and play at home.
- The school has shared links through outlook one drive where teachers can upload and access required files.
- The School website hosts content for school activities including information from the School Council and after-school clubs. Staff and pupils contribute content as appropriate.
- Seesaw is the primary way of communicating with parents and children at home.

IMPACT

We monitor pupil progress through formative and summative assessments, tracking their development in digital literacy, computer science and information technology.

Pupil outcomes include:

Attainment: Pupils demonstrate a consistently high level of attainment in computing, as evidenced by their ability to effectively use technology tools and apply computational thinking skills across the curriculum. Children will be supported in class with their work and submit digitally. Teachers have access to handed work files showing all pupil outcomes. Children's work is saved in their 'work files' in Purple Mash or shared on digital display boards.

Progress: Pupils make excellent progress in their computing skills and knowledge, benefiting from a well-structured curriculum and high-quality teaching. Purple Mash details clear success criteria that the children should be achieving each lesson. Lots of evaluation moments are used each lesson to allow children time to reflect on what they have achieved and what they need to do next.

Objectives are marked as achieved or working towards on iTrack.

We continue to revisit learning and assess understanding through:

- Ongoing teacher observations during practical activities and project work.
- Pupil self-assessment and reflection on their own learning during lessons
- Digital portfolios showcasing the progression of skills and understanding over time.
- Regular unit quizzes and tests to assess knowledge and understanding.

INCLUSION

At St Andrew's Methodist Primary School, we aim to enable all children to achieve to their full potential. This includes children of all abilities, social and cultural backgrounds, those with disabilities, EAL speakers and SEND. We place particular emphasis on the flexibility technology brings to allowing pupils to access learning opportunities, particularly pupils with SEND.

- Pupils with special educational needs should be able to use the technology to encourage their independence and develop their interests and abilities.
- All pupils are to have access to the use of technology regardless of gender, race, cultural background or any physical or sensory disability. Pupils with learning difficulties can be given greater access to the whole curriculum through the use of technology.

DEVELOPING AND MONITORING THE CURRICULUM

The Head teacher and Computing Subject Leader are responsible for ensuring there is a Computing policy and that it is implemented. The Computing Subject Leader is responsible for mapping the Scheme of Work and for liaising with other subject leaders to map the delivery of further technology use in learning and teaching across the curriculum.

The Computing Subject Leader regularly checks online digital files for pupils and display boards to see the progression of learning and attainment across school. The subject leader also encourages the voice of the pupils, discussing with selected children their opinions on the provision on offer in school, our curriculum and how they feel about their work. Digital leaders will support staff with distribution of devices for lessons and supporting younger learners in coding club.

Whole staff training is provided in staff meetings to support the delivery of the curriculum, showing new ways to evidence learning and setting work. Purple Mash offer yearly support to staff and computing leader to develop staff CPD and also offers instant online chat help to support staff in the interim. Purple Mash offers online tutorials to support teachers in delivering the lessons.

All staff will endeavour to ensure that the use of technology is evident within the classroom on curriculum walls and with online safety clearly displayed.

HOME LINKS

The children have access to a variety of resources that enable them to continue their learning of Computing and technology at home. Currently the children have access to Seesaw, Times table Rock stars and Purple Mash. Through these, the pupils are able to complete tasks and save their work virtually so that it can be shared both in school and at home with teachers and parents.

*Also refer to Remote Learning policy.

THIS POLICY

The Computing subject Leader and the Headteacher will be responsible for ensuring the effective monitoring, evaluation and review of this policy.

RELATED DOCUMENTS IN SCHOOL

Remote Learning policy
Monitoring and filtering policy
Annual Computing Action Plan
Computing Progression Curriculum Map
Education for a connected world curriculum map
Computer Equipment stock list/inventory (audit)
School Vision
Internet Acceptable Use Policy
Internet Acceptable Use Agreements (Staff/Pupils/Volunteers)

On-line safety policy
Social Networking Policy
School Curriculum Statement
Health and Safety Statement
Technical Support Contract
Key Skills Assessment - EYFS
Curriculum Frameworks