Computing Policy

Reviewed: September 2022
Next Review: September 2023

St George's Church of England Primary School

Bringing **faith** and **education** together

Reviewed by Mrs C Lyle, Computing Subject Lead

Vision
- To equip all learners with the experiences and skills of computing that they will use in a rapidly changing technological world.
- Learners in our environment will be confident and independent in their use of computing to solve problems across the curriculum.

Aims
- At St George's we aim to meet the requirements of the Foundation Stage Curriculum and National Curriculum through weekly, timetabled and discrete computing skills teaching and through computing as a cross curricular skill.
- Children, parents, staff, governors and the wide community have relevant and meaningful experiences using computing.
- Children have a growing awareness of how computing is used in the world around them and of the benefits that it provides.
- Computing is used to support problem solving and learning across the curriculum.
- Teachers plan for innovative use of resources.

Curriculum coverage and progression
- Teachers use the Purple Mash program of study as a guidance for long term coverage and progression of the key objectives for computing.
- Purple Mash program of study provides discrete medium term and short term planning. Teachers are encouraged to use cross-curricular approaches to engage and inspire pupils.
- Opportunities for embedded computing as a tool to support learning and teaching in all areas of the curriculum are identified in cross curriculum planning and National Curriculum Coverage and all classes have access to computing resources, including the computing suite and laptops and I-Pads on a 'sign up' basis, to support other areas of learning.

Assessment
Assessment is made through:
- Regular observations: by the computing subject Manager/SLT: both formal and informal such as co-teaching, workshops and informal mentoring/coaching of teachers.
- Summative assessment: end of unit pieces of work are stored in pupils online Purple Mash folders.
- Reporting: strengths and next steps are formally reported to parents through an end of year report.
- Formative assessment fully informs future planning: ongoing traffic light assessment of each National Curriculum POS strand using Kent tracking tools
- Class coverage: evidenced though Purple Mash saved work
- Self-Evaluation: children are encouraged to evaluate their own and others' work in a positive and supportive environment.
- Information is shared with appropriate stakeholders through display, celebration events, newsletters, reports, Home Learning Area and the school website.

Monitoring
- Regular monitoring of all aspects of computing informs the subject manager school development plan/school evaluation form.
- Throughout an academic year monitoring will include: formal and informal observations, discussion with children, monitoring of learning environments (computing suite, individual classrooms, shared whole school spaces), workshops, focus planning.

Learning styles and the learning environment
- Medium term planning takes account of differentiation and progression.
- All learning styles will be considered and planned for.
- Open and probing questions will be developed to challenge children's thinking and learning and are part of medium term and short term/daily planning.
- Stimulating learning environments will be created in the computing Suite and individual classrooms.
- Independent learners will have access to a variety of resources and encouraged to reflect on the choices that they have made.

Early years
- Children will have computing experiences indoors, outdoors and through role play in both child initiated and teacher directed time.
- Pupils will take part in discreet teaching and open ended activities using a range of age-appropriate equipment.

Inclusion
- Children's individual needs will be addressed through provision of resources, learning styles and questioning.
- Positive use of technology will be promoted by all.

- Children are encouraged to participate in their own learning
- All learners have the opportunity to develop their computing capability.

Liaison and transfer
- Children's attainment in computing is shared with subsequent teachers and across key stages though a levelled, assessed, self-assessed and traffic light marked portfolio of work which is passed onto the next class teacher after discussion of specific needs/issues.

Home, school and community links
- Computing developments and achievements are shared and a positive relationship fostered with home, school and the wider community through use of the Home Learning Area and the school website.
- Purple Mash allows pupils and parents to access at home and teachers set 'to do's' as part of the pupils homework.

Resources
- The Computing Subject Leader will ensure that resources are purchased and deployed effectively to meet the requirements of the Foundation Stage Curriculum and National Curriculum.
- An ICT asset register is maintained.
- A yearly and three year budget and resources plan (hardware/software/general ICT) plans for future needs.

Roles and responsibilities
- All stakeholders will work together to ensure the implementation of the computing policy.
- The subject leader is responsible for:
- monitoring curriculum coverage and the impact of learning and teaching.
- raising standards in computing as a National Curriculum subject
- coordinating the use of computing across the curriculum
_ - ensuring that the school's computing resources are maintained and used effectively.
- The Computing Technician is responsible for:
- management, maintenance and development of all computing equipment
- provision of technical advice and support for computing curriculum related activities together
- in house development and support for teaching and learning.
- monthly visits to school with additional remote support when needed.
- EIS to monitor filtering and broadband.

Health and safety
- Age appropriate class and safety rules are displayed in the learning environment.
- Equipment is maintained to the meet agreed safety standards.

Review
- The policy will be reviewed annually by the Computing Subject Manager and SMT and shared with all stakeholders.