Sacred Heart R.C. Primary School

Computing Policy

Policy written by H. Rogerson   Computing Leader

Accepted by Governors: *A. Herko*   signed (Chair)

                                       I. McDermott   signed (Head)

Shared with staff date: Spring 2024   (updated Spring 2026)

Mission Statement:

With Christ as our guide, we inspire and thrive.

Sacred Heart RC Primary School believes that every child should have the right to a curriculum that champions excellence; supporting pupils in achieving the very best of their abilities. We aim to give our pupils the life-skills that will enable them to embrace and utilise new technology in a socially responsible and safe way in order to flourish. We want our pupils to use technology to develop their understanding of themselves as individuals within their community but also as members of a wider global community and as responsible digital citizens. We believe that technology can provide enhanced collaborative learning opportunities, better engagement of pupils, easier access to rich content, support understanding of new concepts and meet the needs of all our pupils.

Our aims:

- Provide an exciting, rich, relevant and challenging Computing curriculum for all pupils.
- Instil critical thinking, reflective learning and a 'can do' attitude for all our pupils- particularly when engaging with technology and its associated resources.
- Enthuse and equip children with the capability to use technology throughout their lives.
- embed online safety so pupils know how to recognise risks, report concerns and behave responsibly.
- Give children access to a variety of high-quality hardware, software and unplugged resources.
- Teach pupils to become responsible, respectful and competent users of data, information and communication technology.
- Teach pupils to understand the importance of governance and legislation regarding how information is used, stored, created, retrieved, shared and manipulated.
- Equip pupils with skills, strategies and knowledge that will enable them to reap the benefits of life in the technological age, whilst being able to minimise risk to themselves or others.
- Utilise computational thinking beyond the Computing curriculum.
- To ensure computing technologies are used to improve access to learning for pupils with a diverse range of individual needs.
- To maximise the use of computing technologies in developing children's potential whilst they are learning at home.

Curriculum

We currently use the Purple Mash Computing Scheme as the basis of curriculum delivery and then it has been enhanced with National Centre for Computing Excellence (NCCE) curriculum for the coding units and computer systems and networks. Both schemes work along side each other and it is followed from Reception to Year 6. The schemes of work supports our teachers to help deliver fun and engaging lessons- whilst at the same time giving our pupils access to a wide range of high-quality online resources which can be accessed in school and at home. Both Purple Mash and NCCE link directly to the National

Curriculum and is organised in a coherent way that allows children to progress and to develop key concepts in computing.

As well as providing excellent materials for stand-alone Computing lessons, Purple Mash and NCCE provides strong cross-curricular links and integrates perfectly with the wider curriculum.

Key Stage 1 outcomes

- Understand what algorithms are and how they are implemented as programs on digital devices.
- Write and test simple programs.
- Organise, store, manipulate and retrieve data in a range of digital formats.
- Communicate safely and respectfully online, keeping personal information private, and recognise common uses of information technology beyond school.

Key Stage 2 outcome

- Design and write 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
- Generate appropriate inputs and predicted 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 and how they can provide multiple services such as the world- wide web.
- 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.
- 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.

Assessment

- Pupil attainment is assessed using the 2Simple Computing Assessment Tool for Years 1 to 6. The tool enables staff to accurately identify attainment of pupils through the detailed exemplification it has for each key learning intention.
- Teachers keep accurate records of pupil attainment by entering data using the 2Simple Computing Assessment Tool.
- Children are encouraged to self, peer and group assess work in a positive way using online collaborative tools such as 2Blog in Purple Mash and Google slides.
- Formative assessment is undertaken each session and pupils are very much encouraged to be involved in that process. Through using the progression of skills documents teachers and can

evaluate progress. Features such as preview and correct in Purple Mash are used to support feedback and assessment. Feedback can also be provided by sharing examples of pupils' work using the 'impersonate pupil' function.

- Summative assessment is undertaken using electronic work samples from children's portfolios on Purple Mash. Teachers enter judgements about the samples into the 2Simple Computing Assessment Tool.
- Work from a range of classes and abilities is shared using the Noticeboard feature in Purple Mash.

Resources

- A range of resources are available which successfully support delivering the Computing curriculum and enables all learners to reach their full potential.
- Resources are suitably maintained and replenished when needed, which is overseen by the Computing Leader.
- Audits of school resources are conducted regularly by the Computing Leader, which informs bidding for budgets allocations.
- The Computing Leader keeps up to date with the latest technology resources and will make informed decisions about possible procurement of them through their own research.
- The Computing Action Plan details foreseen future resource procurement which is shared with senior leaders before the budget setting period.

Inclusion

At Sacred Heart RC Primary, we aim to enable all children to achieve their full potential. This includes children of all abilities, social and cultural backgrounds, those with disabilities, EAL speakers and SEN statement and non-statemented children.

We place particular emphasis on the flexibility technology brings to allowing pupils to access learning opportunities, particularly pupils with SEN. With this in mind, we will ensure additional access to technology is provided to support learning.

Monitoring, Evaluation and Feedback

Monitoring standards of teaching and learning within Computing is the primary responsibility of the Computing Leader. All teachers are expected to keep a portfolio or track children's work using Purple Mash. This portfolio must contain work samples from all areas of the curriculum taught for the year group.

Details of monitoring and evaluation schedules can be found in the Computing Action Plan. Monitoring will be achieved through:

- Work scrutiny.
- Learning walks.
- Observations.
- Pupil voice.

- Reflective teacher feedback.
- Dedicated Computing Leader and Assessment Leader time.

<u>Evaluation and Feedback will be achieved through:</u>

- Dedicated Computing Leader and Assessment Leader time.
- Using recognised standards documentation for end-of-year expectations.
- Using recognised national standards for benchmarking Computing provision in primary schools.
- Written feedback on evaluation of monitoring activities to be provided by the Computing Leader in a timely manner.

This policy will be reviewed regularly in consultation with staff and following any national initiatives. A copy will be available on the school web site.

Reviewed: Spring 2026

Next review: Spring 2027