



## St Joseph's School

### *Computing Policy*

#### *Introduction*

*This policy sets out the school's aims, principles and strategies for the delivery of Computing.*

*This policy was constructed using BECTA guidelines.*

*This policy and statement shall be reviewed and agreed annually by the full Governing Body.*

*The Computing co-ordinator is Miss Charlton*

#### *Our Computing work in school*

*All children in school, regardless of gender, race or ability, have the opportunity to use a wide range of Computing hardware and software resources to enhance and extend their learning across the whole curriculum whilst developing motivation and social skills.*

*Computing is delivered in accordance with the statutory requirements of the National Curriculum. Teachers plan directly from this for both discrete and cross curricular computing work.*

*Shared resources include control and monitoring equipment. All classes also have access to control and modelling hardware, televisions, DVD players, cameras, CD players, iPads and Laptops.*

*All seven classes have an Interactive Whiteboard available for use by all staff, pupils and governors.*

#### *Our School's Definition of Computing*

*Computing is concerned with the handling of electronic information (which can consist of text, numbers, images, videos and sounds) and involves the storage, processing, presentation and communication of information by electronic means. Computing continues to evolve very quickly and has now*



*become firmly entrenched in many aspects of everyday life, both at home and in the workplace.*

*Computing capability refers to a child's ability to draw on their knowledge and understanding of Computing to apply it in a variety of contexts.*

### *The school's use of ICT for School Administration*

*ICT will be used wherever possible to assist staff in their roles and responsibilities, to provide data as appropriate and to assist in the management of school systems, e.g. finance, attendance and performance monitoring.*

### *Our Computing Intent, Implementation and Impact*

*See Appendix 1 for our Computing Intent, Implementation and Impact*

### *Aims*

*St Joseph's School is committed to developing the use of ICT throughout the school to develop the skills and knowledge of both staff and pupils.*

*In Foundation Stage and both Key Stages, all children in school, regardless of race, gender or ability are given the opportunity to develop Computing capability through activities that arise in all curriculum areas, undertaken individually or in groups, as well as discrete Computing lessons. Children will:*

- Use ICT to communicate and handle information*
- Use ICT to design, develop, explore and evaluate models of real or imaginary situations*
- Use ICT to measure and control physical variables and movement*
- Use ICT to make informed judgements about ICT applications and their effect on the quality of life for society and the individual*
- Use a variety of resources, both hardware and software, to extend their knowledge and ability in all curriculum areas*
- Work in a variety of situations, e.g. singly, in pairs or in groups*
- Develop an understanding of the specialised vocabulary used in ICT*
- Use ICT to capture, record and present situations in the form of sounds, images and movies*
- Use ICT equipment to create and debug programs*



- *Use ICT lessons to develop knowledge of algorithms, how to use them and construct their own*

*Additionally, by encouraging ICT development teachers can:*

- *Enable children to become familiar with ICT in many contexts*
- *Develop children's confidence and satisfaction in the use of ICT*
- *Broaden children's understanding of the effects of the use of ICT*
- *Enable the children to take greater responsibility for their own learning and provide opportunities for them to decide when it is appropriate to use ICT in their work*
- *Encourage the flexibility needed for children to adjust to and take advantage of future developments in ICT*
- *Encourage children to use logical reasoning when working with ICT and computing programs*
- *Ensure continuity and progression*
- *Monitor, assess and record progress*

### *Our Objectives*

*It is envisaged that Computing will enhance the process of teaching and learning in all curriculum areas. In particular children should achieve the following skills and abilities:*

- *Confidence in handling hardware, software and other ICT equipment*
- *The ability to use up to date and relevant equipment to manipulate and present written word, images and sounds to convey messages effectively*
- *The ability to use ICT equipment to store information, and retrieve then present in relevant ways*
- *An awareness of the role of ICT encountered in daily life in the control of equipment*
- *To be able to talk about their use of ICT and its place within real life contexts*
- *To make judgements about the appropriate use of ICT*
- *To be able to understand what algorithms are and how they are implemented on to programs on digital devices*
- *To design, write and debug programs to accomplish set goals*

*As Computing underpins today's modern lifestyle it is essential that all pupils gain the confidence and ability that they need in the subject. The*



*ability to use ICT effectively is a vital life skill in modern society. Throughout school ICT and computing will be integrated in to all aspects of the curriculum as much as possible.*

### *ICT in the curriculum*

#### *National Curriculum*

*ICT is unique in the National Curriculum as it is the only cross curricular subject with its own attainment targets.*

*ICT will be timetabled in each class long term plan and curriculum map.*

*ICT is delivered in accordance to the National Curriculum.*

*ICT is incorporated into the planning of every subject. When planning work involving ICT, teachers identify some activities in which the emphasis is on the development of ICT capability and others in which the emphasis is on the subject, being supported by ICT.*

*All year groups plan directly from the 2014 National Curriculum to ensure all objectives are covered. All teachers have the flexibility to introduce skills and resources if this fits in with the subject and topic being taught. The school owns a wide range of software and uses a selection of educational websites that cover all areas of the National Curriculum. For computing and programming elements of the curriculum, the whole school utilises parts of **Barefoot Computing**' schemes that were introduced in 2019/2020 to support teaching of Computing.*

*Individual teachers will be responsible, where appropriate, to enhance and support their classroom teaching in all areas of the curriculum. The Computing coordinator will be available to support all staff in their use of Computing throughout the curriculum.*

*The Computing coordinator will make recommendations for the purpose and implementation of new hardware and software.*

### *Health, safety and security*



*All ICT equipment is used within the Health and Safety Guidelines set by the school. Teaching staff should ensure that children are seated comfortably when using the computers and be aware of continuous use e.g. eye/wrist strain etc. Pupils are encouraged not to use the computers for long periods of time.*

*Food and drink should not be stored or consumed near ICT equipment.*

*All ICT equipment is security marked with the school name and postcode. The school buildings are alarmed and laptops stored in the locked Lap Safe. The school secretary keeps the keys for the Lap Safe and these are logged in and out.*

*Also see the E Safety Policy*

#### *Monitoring and Evaluation*

*The Computing Coordinator and class teachers will evaluate the progress of classes and year groups in Computing:*

- Monitoring attainment by observation of teaching and learning in the classroom*
- Monitoring coverage National Curriculum*
- Scrutiny of children's work*
- Discussions with children and staff and regular staff and pupil voice questionnaires*
- Monitoring of planning (both discrete and cross curricular lessons)*

#### *Policy Review – Reviewed December 2020*

*This policy will be reviewed and agreed annually by the Governing Body*

*Agreed by the Governors:*

*Date: January 2021*