St Joseph's Catholic Primary School
To live, love and learn in a caring Christian community

COMPUTING

The following policy must be read in conjunction with all other school policies, in particular the Data security and e safety policy.

1) Aims
Our school aims to:
- Enable each child to develop their Computing capability to their full potential through a stimulating and challenging curriculum.
- Experience Computing across the curriculum, enriching and extending learning by providing regular and frequent access to a wide range of equipment beginning in the Foundation Stage.
- Make the children aware of opportunities to apply their computing skills in other areas of the curriculum and also to recognise when the use of computing is inappropriate.
- Provide continuity and progression in all strands of the computing National Curriculum at Key Stage 1 and 2.
- Make the children aware of the role of Computing in the world around them and prepare them to participate in the rapid changes Computing is bringing to work and leisure.
- Foster a positive attitude and enjoyment of Computing, enabling the children to grow in confidence and independence on the computer and other Computing equipment, so promoting independent learning.
- Ensure all staff and pupils are confident and competent users of Computing.

2) Curriculum Organisation

Foundation Stage

Computing is planned following the Early Years Foundation Stage (EYFS) Development Matters strands. The specific strand relating to Computing is listed as 'an awareness of everyday technology in the area of Knowledge and Understanding of the World.' Computing offers children an opportunity to ask questions about how things work and enables them to become increasingly independent learners. Pupils have access to iPads with age related apps, CD players for audio books, computers to develop their mouse skills, programmable toys, hand held devices, tough tray microscopes, metal detectors as well as use of the interactive whiteboard (IWB). Access

to the devices listed is provided during child initiated learning time, whole class discussions and small group activities.

Key Stage 1 & 2

Computing is planned following Switched on (a scheme of work by Rising stars). One cross curricular unit is taught per half term. This scheme of work covers the new programme of study for Computing, including programming and computational thinking. The scheme also delivers a clear progression of skills from year one to year six. Computing is used across other curriculum subjects as a tool for research and to transfer and apply learnt skills. Each class has timetabled access to the laptops, net books and iPads. Pupils also have access to a variety of Computing equipment to support learning including devices such as Beebots.

3) Contribution to other curriculum areas

English

Devices such as iPads and Digital Cameras can be used to record a short drama, play or debate. Digital cameras can also be used to sequence stories or instructions. Podcasts can be created and uploaded to the school website to be shared. Software such as 2Simple and Clicker can be used to create books written by pupils.

Maths

IWB's and software such as Espresso can be used during oral/mental starters or during plenary sessions to complete games and activities. Internet links can be used to access online activities. Data handling software can be used to record results. Programmable toys can be accessed for teaching movement, position and shapes.

PSHE

Pupils learn how to stay safe on the Internet and what to do if they are worried, upset or confused. Pupils learn how to treat equipment safely and with care. Interactive software is used to enhance lessons such providing video clips for discussion.

SMSC

During Gospel assemblies the laptop and projector is used as a visual stimulus to enhance the spiritual atmosphere. Pupils also use the internet to carry out research for various subject areas. Pupils are taught to consider the validity of sources and to report any concerns to the teacher.

4) Inclusion

All children have equal opportunities to access the Computing curriculum through fully differentiated lessons. Children with special educational needs are supported through software such as I trace, which can be found on school iPads. Children can access I trace when working on the iPads with the whole class, in a small group or independently.

In EYFS, roller balls are available as an alternative to a mouse to support children's fine motor development. The needs of gifted and talented children are planned for through extension activities as well as open opportunities to teach their peers using 'child friendly language' to aid understanding and support the modelling of activities as appropriate.

5) Assessment & Recording

Work is assessed against learning objectives in the following ways:

- Ongoing dialogue between the teacher and children whilst they are working.
- Annotations of children's work (as appropriate) which are then filed in their Computing folders.
- The subject leader will request samples of levelled work in order to build a school portfolio that can be used to support staff's understanding of progression and levelling.
- Computing planning will be monitored and lesson observations will be carried out by the subject leader. Appropriate feedback will then be given.
- Pupil voice surveys.

6) Health & Safety

All equipment is checked annually under the Electricity at work Regulation 1989. Staff are aware of the main health and safety issues regarding use of Computing equipment with their pupils. Staff have been advised of Health and Safety guidance relating to Interactive Whiteboards and should adhere to the guidance on use of this equipment. (Health & Safety Advice poster displayed near interactive whiteboards).

7) Internet Safety

The school has separate Acceptable Use policies for pupils, staff, governors and visitors. If a child 'gets lost' on the internet and views upsetting material they can click on the Hector's World dolphin panic button and alert their teacher. If inappropriate material is accessed, the teacher then switches off the screen (without closing the website or logging off) and reports this to the Computing Leader/Head Teacher immediately. The designated people (Mr Coldwell and Miss Bull) will then record these details on an E-safety log (accessible to all staff) and pass these to county.

Internet safety is promoted and awareness raised through discussions, DVD's produced by County and Safer Internet Day activities. E-safety is

explored at the beginning of every Computing lesson and teaching staff ensure that its coverage is linked to lesson content. In addition, E-safety posters designed by the children can be found on the laptop, netbook and IPAD cases/trollies. Assemblies are also delivered by the senior leadership team to raise children's awareness of keeping safe on the internet. As a result, children are regularly reminded of the importance of being aware of possible dangers and keeping themselves safe. Parents are given a hard copy of our Acceptable Use policy periodically as well as having access to it on the school website.

7) Resources

- The school currently has moveable Computing resources in the form of laptops, netbooks and iPads. All these are timetabled so children have the correct amount of time each week.
- Resources stored across classrooms include programmable robots, tape recorders, earphones, SNAP cameras, Flip Video cameras, microphones, visualisers, data loggers, Beebots, metal detectors and tough tray microscopes.
- Nursery and EYFS classrooms have at least one standalone computer and printer for pupils to access.
- All classrooms have an interactive whiteboard and visualiser.
- Teachers are issued with a school laptop.
- Teaching staff also have an individual IPAD.
- TA's in EYFS also have access to a separate IPAD to support the recording of ongoing assessments and observations.

8) Monitoring & Review

The Computing subject leader is responsible for monitoring the standard of the children's work and the quality of teaching in Computing. The Computing subject leader is also responsible for supporting colleagues in the teaching of Computing and for being informed about current developments in the school. The Computing subject leader gives the governors a report when requested in which he/she reviews the subject.
This policy will be reviewed annually or following significant change in staffing, resources or statutory requirements.

Reviewed May 2016