



# All Saints Upton C.E. Primary School Computing Policy

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## Introduction:

- This document is a statement of the aims, principles and strategies for teaching and learning of Computing at All Saints Upton C.E. Primary School
- It was developed in conjunction with the significant change to Computing within the reformed National Curriculum 2015
- This policy will be reviewed in the winter 2016. A schedule for the review of this and other policy documents is set out in the school's Development Plan.

## Purpose:

We believe that an engaging and motivating Computing curriculum will enable our learners to value the contribution that technology can make for the benefit of all pupils, staff, parents and governors. We strive to provide safe opportunities in all subjects to motivate and inspire pupils and raise standards across the curriculum. They will use computational thinking and creativity to understand and change the world whilst making deep links with other if not all curriculum subjects. We will all become digitally literate – able to use, express themselves and develop ideas through information and communication technology.

## Aims:

- The Computing Subject Leader and leadership team support staff to deliver a high quality computing education.
- To provide pupils with the computational skills necessary to become independent learners
- To promote safe and sensible use of technology through a dedicated e-safety curriculum (Digital Citizenship).
- To use new technologies to enable good quality teaching and learning to take place
- To ensure appropriate and equal access to technology for all children regardless of age, gender, ethnicity or ability
- To utilise the online collaborative platforms e.g. Blogging and Tweeting in order to provide extended and personalised learning opportunities through the use of technology
- To commit to the Continuous Professional Development of Computing
- To ensure our pupils take advantage of the ever quickening pace of technological change
- To provide pupils with an understanding of the role technology plays in everyday life at present and it's importance in the future
- To give children opportunities to access the Computing Curriculum through homeschool links and resources. (Test Base, I am Learning, Espresso, TOCO email, Phonics Play)

## Curriculum coverage and progression:

Computing lessons are timetabled for two session per week, where they have access to iPads or laptop, they cover the skills and experiences required to develop computing capability through the school's Scheme of Work which is based around Knowsley CLCs – with an additional emphasis on e-safety and Coding/Programming. Digital Literacy, Information Technology etc. is used through cross-curricular subject links; for example the use of iPads and cameras are used in various contexts throughout the school day. Teachers ensure the teaching of Computing is evident within all

areas of the curriculum following a theme-based approach and creating cross-curricular links. In learning and teaching across the curriculum there are Interactive Whiteboards (IWBs) in every classroom, which are used throughout the day for whole class teaching in all subjects. Pupils also use Whiteboards within group activities by teachers or TAs or for collaborative activities. Whiteboards are also regularly used by pupils themselves to participate in the class or group lesson, or demonstrate what they have learned or to display work they have done. The IWB is connected to a main classroom computer/laptop or iPad, which is on the school network with access to shared work areas. In addition to this all children have access to wireless laptops, and iPads for use in all curriculum areas and to support extended learning during break times. Staff and pupils regularly and confidently access links to online resources. Teaching and support staff are confident selecting programs and make extensive use of resources for pupil to use from the school network, or online resources. Classwork is often evident on the school website or through the school's Twitter account.

### **Assessment:**

This year the school is taking a new approach to the way in which it assesses the new Computing Curriculum. Using a Computing Pupil Portfolio of "I Can Statements" link to the Knowsley CLC's Scheme of Work, each learning point has been mapped to activities. The "I Can Statements" themselves have been designed from a 'Using and Applying' approach and the pupils will need to use what they have learnt in order to complete the tasks asked of them and will be given an opportunity to self reflect on their work through plenaries. These "I Can Statements" give the children opportunities to develop a range of techniques within the 'Computing Umbrella', thus providing them with an excellent grounding to further progress the knowledge of technology in the wider world.

### **Early Years:**

- Pupils build confidence to use technology purposefully to support their learning for all Early Learning Goals as appropriate.
- Pupils in Foundation Stage class will have experiences using technology indoors, outdoors and through role-play in both child-initiated and teacher-directed time both within the classroom and during timetabled sessions using the computers and iPads
- The Foundation Stage teacher also follows the Knowsley CLC's scheme of work to plan for technology in a range of contexts.

### **e-Safety:**

- A progressive e-Safety curriculum ensures that all pupils are able to develop skills to keep them safe online.
- Opportunities for learning about e-Safety are part of PSHE and reinforced whenever technology is used.
- Each class agrees clear rules for e-Safety during e-Safety sessions, which are included within the scheme that are to be covered when completing units linked to being online.
- Parents and pupils sign an acceptable user policy together when a pupil first starts at the school. The class rules are then signed annually by pupils and shared with parents.
- The school supports the international Safer Internet Day each February and provides opportunities for pupils to consider cyberbullying as part of Anti-Bullying week in the autumn term.
- Opportunities are taken whenever possible to reinforce messages of a healthy life style.

## Monitoring:

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 Knowsley CLC's 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.

Members of the SLT will monitor learning and teaching in Computing as they do for literacy and numeracy. The Computing Subject Leader will also be involved in monitoring class teachers' curriculum planning and teaching. The Computing Subject Leader will carry out an audit of staff skills annually and support and training will be provided where necessary.

All staff will regularly update their displays and ensure that the use of technology is evident with classroom and curricular displays.

## Equal opportunities:

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. The youngest pupils in Reception classes begin to use and learn about Computing as soon as it is practicable after entering school, so that they gain confidence in using computers as soon as possible.

We also use Digital leaders to help support both pupils and teachers within the teaching of Computing and in some cases manage and maintain communication tools such as Twitter and Class Blogs. This is done both through cross-curricular lessons as well as specific computing structured lessons. Alongside this the Digital Leaders help to develop new curriculum ideas both to staff and children who require further support either through need or interest.

## Resources:

- The school has a range of resources to support the delivery of the Computing curriculum, the Early Years Framework and learning across all areas of the National curriculum.
- Online tools such as Test Base, I am Learning and Espresso are all part of the experience of pupils.
- The Computing subject leader keeps up to date with new technologies and reviews the school's provision, as well as maintaining the existing resources in partnership with the school's technology support provider.
- Hardware and software faults are reported to an external \_\_\_\_\_
- The Computing Action Plan expresses the school's priorities for future expenditure and is reviewed by the Computing subject leader, governors and senior management who consider its impact on all learning.
- Governors and senior management ensure that they achieve value for money by implementing the principles of best value in evaluating, planning, procuring and using technology.

## Roles and responsibilities:

- The school community works 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; and assists colleagues in its implementation.

- Staff are responsible for recognising the links between computing and other subjects; and planning to use these to support learning across the school.
- The class teacher is responsible for delivering an effective Computing curriculum and integrating this into their planning for other subject areas where this is appropriate.
- The school receives technical support from Paul who is responsible for the maintenance of computers, printers, the school network and keeping software up to date. The subject leader liaises with the technician to ensure that the systems are running efficiently.

### **Health and safety:**

- Age appropriate class and safety are discussed with the children when using the learning environment.
- Equipment is maintained to meet agreed safety standards.
- From Foundation Stage, pupils are taught to respect and care for technology equipment.
- Further guidance can be found in the school's health and safety policy.

### **Review:**

- This policy will be reviewed annually by the Computing subject leader and leadership team and shared with the school community.