Sir John Lillie Primary School Computing Policy

The National Curriculum Purpose of Study states that:

A high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world. Computing has deep links with mathematics, science and design and technology, and provides insights into both natural and artificial systems. The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. Computing also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.

Whilst the Computing Curriculum has an increased focus on Computer Science including developing pupils' programming skills and their understanding of what happens 'behind the scenes', it is important that they also continue to develop their Digital Literacy and e-safety capability and our school curriculum us designed to reflect this.

ICT RESOURCES

60 wireless laptops available for lessons
30 Chromebooks available for lessons
Projector in Middle hall for meetings/assemblies/lessons
20 computers in classrooms from Nursery to Year 6
60 DS Nintendo's
2 Nintendo wii's
Interactive Whiteboards in every classroom with projectors
Ipads/Ipad Minis/Amazon Fire 7 Tablets available
An Amazon Fire 7 Tablet in every class
Beebot Programmable Devices

Computing Team

The Computing team, which consists of teachers, teaching assistants and early years educators, will:

- Lead and manage computing within the school in line with the National Curriculum 2014; Provide a good role model in the teaching of computing and I.T;

- Provide opportunities for peer observations to share good practice in the teaching and learning of computing & I.T;

- Support, guide and motivate colleagues in the teaching and planning of I.T;

- Monitor and evaluate planning and children's work to ensure curriculum coverage, consistency, progression and standards in I.T;

- Encourage cross curricular links to other subjects;

- Provide teachers with a comprehensive list of available software;

- Evaluate the effectiveness of teaching and learning in I.T in the school, use this analysis to identify effective practice and areas for improvement and take action to further improve the quality of teaching;

- Complete a yearly audit of the skills and confidence of colleagues in each area of the I.T curriculum and organise relevant training as necessary;

- Lead professional development in I.T through staff training;

- Inform newly appointed colleagues of school policy and practices in I.T;

- Establish resource needs for I.T (through a yearly audit), identifying likely priorities for expenditure, and allocating available resources with maximum efficiency to meet the objectives of the school and to achieve value for money;

- Ensure the effective and efficient management and organisation of learning resources, evaluating their effectiveness;

- Help create an effective and stimulating environment for the teaching and learning of I.T; Attend appropriate training in I.T and report back to colleagues;

- Be aware of developments in I.T both locally and nationally and disseminate information to colleagues;

- Oversee the maintenance of any I.T equipment.

IMPLEMENTATION

From September 2014 the new programmes of study, which are statutory are to be taught within state-maintained schools. We at Sir John Lillie Primary will plan, teach and assess computing using a range of resources, including Kapow Primary's Scheme of work.

Kapow Primary's scheme of work allows for flexibility in when the units are taught and ensures progression from Early Years through to Year Six. In addition, children will need to apply and practise the skills they have learnt in a range of contexts.

PLANNING

The units of work are already planned in full and teachers only need to indicate on their yearly plan when they are teaching the units. No additional long-term planning is needed. Short term planning for Computing will be on the weekly plan and numeracy and literacy planning as appropriate. Where possible, I.T should be taught through cross curricular teaching and this should be explicit on planning. Computing lessons will build skills and processes and cross curricular links will enhance learning. Planning is monitored on a half termly basis and feedback given to teachers.

E-MAIL AND INTERNET SAFETY

See **Acceptable Internet Policy**

ASSESSMENT

Each unit contains clear learning outcomes and suggestions for displays and presentations. These will serve as a record of group progress. Children's progress is reported to parents once a year in the end of year reports. At the end of each unit a best fit level is entered onto a spreadsheet which allows for detailed tracking of each pupil and these levels can be reported to parents.

RDP

As from September 2010, we adopted a virtualised network system that can be accessed through a Remote Desktop Portal, allowing staff to access their folders and software from anywhere with an internet connection. RDP is our curriculum network and is accessible from school or home allowing users to work with software/applications they are familiar with.

G-Suite (Google Classroom)

At Sir John Lillie Primary School, we are using G Suite for Education. G Suite for Education is a set of education productivity tools from Google that include Docs, Calendar, Classroom, amongst many others. These are used by tens of millions of students and teachers around the world. An Education account means that data is not collected for advertising purposes and no adverts will appear whilst a pupil is using these tools. At Sir John Lillie Primary School, students will use their G Suite accounts to complete homework, spelling and communicate with their teachers.

Data and Confidentiality

All USB sticks which contain confidential information about pupils or staff including data must be encrypted.
All information about pupils/staff is and should remain confidential and not be shared with non-relevant persons.
All staff (including students) have read and have access to the I.T policy and therefore take on responsibility for ensuring information remains confidential.

School Website and other forms of communication

School Website: At Sir John Lillie Primary School we have and manage a website, a legal obligation for all schools within England. *'The School Information (England) (Amendment) Regulations 2012'*

The main purpose for our school website is to provide details and information, firstly legally required and secondly, information for parents of pupils at SJL, perspective parents and the wider community.

Our website is managed and currently updated by a member of the SMT after discussions with the SLT. The website will be update as required, for example, when policies are reviewed or if there may be a school closure. Other than this, the website will remain static, performing the role of our prospectus online.

Twitter and Call Parent: We use both of these forms of communication to keep parents up to date and informed of any changes that they need to know of. These are both used and overseen by the SLT and in line with our social networking policy.