West Road Primary School

Title of Policy: *Computing and ICT*

Date Reviewed: April 18	Person Responsible: **A Eastwood** **Subject Co-ordinator**

Frequency of Review: 2 Year

'Personal computers have become the most empowering tool we've ever created. They're tools of communication, they're tools of creativity, and they can be shaped by their user. The Internet is becoming the town square for the global village of tomorrow. I'm a great believer that any tool that enhances communication has profound effects in terms of how people can learn from each other, and how they can achieve the kind of freedoms that they're interested in.' Bill Gates

Computing is one lens through which pupils can understand the world. We have a focus on computational thinking and creativity, as well as opportunities for creative work in programming and digital media. We will teach skills which will enable our pupils to be digitally literate and express themselves and develop ideas through ICT to prepare them for the future workplace and to become active participants in a digital world.

What we teach…

There are three aspects of the computing curriculum within EYFS Curriculum and National Curriculum 2014 - computer science (CS), information technology (IT) and digital literacy (DL). 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 relevant to age and ability.

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How we teach …………

In KS1 ICT is taught as part of the cornerstones topic. The children have 1 session per week in the ICT suite in which to teach this content and any additional content which teachers feel are not covered by the topic.
This is also the case in KS2. However in addition to this children receive IJAM sessions for 1 hour per week, which teach the ICT objectives in an exciting way which fully engages the children. For example the children may learn ICT through making music or animations.
Teachers are also able to book laptops or IPADS for use in discreet ICT lessons or for teaching ICT through other subject areas.

Internet Safety - Internet access is planned to enrich and extend learning activities. The school has acknowledged the need to ensure that all pupils are responsible and safe users of the Internet and other communication technologies. Although the school offers a safe online environment through filtered internet access we recognise the importance of teaching our children about online safety and their responsibilities when using communication technology. An E-safety policy has thus been drawn up to protect all parties and rules for responsible computer use are discussed with each child. This forms part of studies in Computing and is discussed as part of some PSHE provision.

How we assess …………

ICT is assessed both formatively and summatively using achievement criteria based on the Programme of Study. Formative assessment occurs on a lesson by lesson basis based on the lesson objectives and outcomes in the school's scheme of work. These are conducted informally by the class teacher and are used to inform future planning. Progress is recorded on O Track.

How we monitor …………………

In monitoring of the quality of computing teaching and learning the Computing Co-ordinator will:
☐ Scrutinise plans to ensure full coverage of the ICT curriculum requirements,
☐ Analyse children's work,
☐ Observe computing teaching and learning in the classroom,
☐ Hold discussions with teachers and pupils
☐ Analyse assessment data.

Resources

Laptops and I-pads support the development of computing capability, encouraging research, and allow for the creative use of ICT in subjects. Digital projectors and interactive whiteboards are located in all classrooms and used as a teaching resource across the curriculum.

Health & Safety

We will operate all computing equipment in compliance with Health & Safety requirements. Children will also be made aware of the correct way to sit when using the computer and the need to take regular breaks if they are to spend any length of time on computers. The Health and Safety at Work Act (1 January 1993), European Directive deals with requirements for computer positioning and quality of screen. This directive is followed for all administration staff. Whilst this legislation only applies to people at work we seek to provide conditions for all children which meet these requirements. Each computer system has individual security against access to the management system. The files and network system are backed up regularly.

Refer to other policies already written to cover Refer to other policies already written to cover Inclusion, Health and Safety, Assessment, Teaching and Learning and Curriculum Long Term Plan