OCKLYNGE COMPUTING POLICY

Introduction

The teaching of Computing aims to enable all children to use ICT tools to find, explore, analyse, exchange and present ideas and information responsibly, creatively and with discrimination. Increased knowledge and skills in the use of ICT promotes initiative and independent learning. Pupils will become able to make informed judgements about when and where to use ICT to best effect. How the programs and systems they use and developed and implemented. They will also learn to consider its implications for home and work both now and in the future.

In line with the revised National Curriculum 2014 pupils are taught how to become digitally literate- that they are able to use, and express themselves and their ideas through ICT.

The Aims of ICT are to help children to:-

• Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation

• Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems

• Can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems

• Are responsible, competent, confident and creative users of information and communication technology.

Success criteria:-

We shall be succeeding when:-

- Children are able to use computers with confidence
- Children are able to use ICT to find things out and evaluate information
- Children are able to develop and refine ideas

- Children are able to create instructions the make things happen
- Children are able to monitor events
- Children are able to share and receive information
- Children are able to consider the effectiveness and limitations of ICT
- Children are able to use ICT as a tool in other subject areas.

Current Practice

The Computing National Curriculum is delivered once weekly in hour-long sessions in one of the computer suites. ICT is taught by the class teacher. This room is fitted with 36 networked 'Thin Clients'. Whole class teaching is delivered using a SMART board and then children work independently through planned activities.

A member of each year team does the planning. The Medium Term plans are developed by the ICT co-ordinator to ensure that there is both the range and depth of knowledge is developed to meet the requirements of the National Curriculum. The units have been allocated time through the year as outlined on the whole school curriculum framework and yearly overviews.

Children also have access to computers in their classrooms or work area as required, and a weekly session in the second computer suite, where there are 36 'Thin Clients'. These are used for subject related work.

All classrooms and 'work areas' are equipped with a ceiling mounted projector and an interactive whiteboard. These are used to aid delivery of lessons across the curriculum.

E-mail

Children are introduced to the internet and e-mail in Year 3. There are several security issues concerning internet use. These are addressed by using a filtered ISP system with concerns highlighted to the Network Manager and Head Teacher as needed. (See Internet Usage Policy in Appendix 2).

Each child has their own e-mail account and log in password which they are issued with in Year 3. They can use this within a closed system of the school community and later on, if needed, outside of the school. Each class also has an e-mail account that is open and can be used to contact the wider world.

Mobile Devices

As technology evolves, it is only natural that Staff and pupils want or need access to mobile devices. If staff want to use their own device within the school environment they need to use a citrix receiver to access the school system through the ockmobile wireless AP. To ensure that staff are protected, while at work, they must only access the internet through the school's filtered system.

Assessing and Recording

Pupils' achievement is recorded by exception, for each unit of work. Each child has a folder on the network in which they save their work. If appropriate, they can print work to go in other curriculum areas books.

Monitoring

The ICT coordinator will check mid-term plans for curriculum coverage and skills progression, and will observe/support colleagues on a rolling programme to monitor teaching and learning in the classroom.
The coordinator will monitor a sample of pupils work, and teacher assessments of pupils on a regular basis.

Resources

There are two computer rooms for class use. The first computer room (ICT 1) is fully equipped with 36 'Thin Clients', and a colour MFC. ICT 2 has thirty-six 'Thin Clients' and a colour printer. There are also 14 pro-bots, digital cameras for each teacher, 2 colour MFC and 3 monochrome MFC, 4 colour printers, twelve hand held data loggers, eight basic-level digital video recorders, three digital microscopes and a digital video camera.
Each teacher is provided with a laptop for use in planning, preparation and assessment, but which are also used to support teaching and learning in the classroom. As laptops are replaced, the old ones will be converted to "thin clients" and deployed as needed. There are also 6 workstations in the resource room for teachers use and one in the library.
Each classroom is fitted with a ceiling mounted projector, an interactive whiteboard and a computer to which visualizers are connected if requested..

Technical Support

A full time Network Manager is employed to manage the network, install new software and hardware, update virus protection, manage the school website and ensure all equipment is functioning effectively.
A full time Technical Assistant is employed to support with the above tasks, and to support in ICT lessons if time allows.

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