Netherton Infant and Nursery School

Computing Policy

This policy was adopted by the Governing Body of Netherton Infant and Nursery School on *9th July 2015.*

Purpose

This policy document sets out the school's aims and principles for the delivery of the Computing curriculum, and also the use of technology to improve learning in the wider curriculum.

Computing Vision Statement

'We believe Computing is an essential life skill in modern society. Our aim is to produce learners who are confident and effective users of technology. We believe that all pupils have an entitlement to the Computing curriculum regardless of gender, disability, ethnicity, social class or special learning needs and we will ensure that our provision meets the needs of all learners. We recognise that technology has the ability to motivate and enthuse pupils, to enable them to work individually, co-operatively and collaboratively and to develop perseverance and flexibility and we will plan opportunities for pupils to develop these skills. Our aim is to ensure that all pupils achieve high standards in Computing and to develop the knowledge, skills and understanding required to become confident and competent users of technology.'

Curriculum

Early Years Foundation Stage

In the Early Years Foundation Stage Computing is part of Understanding the World. Computing is planned across the continuous curriculum, is included in other areas of learning and throughout the learning environment. Foundation Stage children experience Computing in its widest sense, and use a wide range of technologies including electronic toys in role play settings, programmable and remote controlled toys, digital cameras and computers. Technology is also used in the outdoor learning environment. A scheme of work called "Switched On Computing" is used in Reception.

Key Stage 1

The school uses a scheme of work called "Switched On Computing", which ensures that all pupils receive the statutory entitlement as described by the Computing programme of study in the National Curriculum.

Aims

The Computing curriculum is designed to develop children's ability to:

- Understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- Analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- Evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- Be responsible, competent, confident and creative users of information and communication technology

The curriculum covers three core themes:

Computer Science (CS); Information Technology (IT); Digital Literacy (DL)

Each member of staff plans from a yearly planning guide, which details those elements of the Programme of Study and the units of work from the Scheme of Work they are to cover. Medium term planning is based around delivery of the units of the Scheme of Work and will identify the Computing resources to be used, the method of delivery and the assessment opportunities presented.

Technology Enhanced Learning

Technology will be used across the school curriculum to enhance pupils' learning. Pupils will be given opportunities to:

- use technology with purpose and enjoyment
- become confident autonomous users of technology
- apply their knowledge of Computing and technology in a range of curriculum subjects
- use technology to develop educational partnerships beyond the school
- use of a range of free educational tools which are available on the internet

Technology will be used to encourage greater involvement of parents in the education of their child:

- Use of email, text messages and online tools to provide information for parents

Narrowing the Gap – Closing the Digital Divide

Parents will be asked at the start of each school year what access their child has to technology at home, so that arrangements can be made to support pupils with limited access.

Assessment, Recording and Reporting

Each teacher maintains a class record of each pupil's progress in Computing skills. Periodically pupils will have an opportunity for self and peer assessment. Next steps for learning are shared with pupils so that they know how to improve.

Review Date:

This policy will be reviewed on *July 2016*