Computing Policy – Infants

Reviewed and Approved by:	Governing Body	
Date Adopted#		
Last Reviewed:		
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Signed by Name Printed:	Chair of Governors Mark Walker	Headteacher Linda Mortimer
Signed:		
Date:		

The purpose of computing within our curriculum is to equip 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. (National Curriculum 2014)

Computing in Saltergate will ensure all pupils are taught the principles of information and computation by understanding how digital systems work and how to use this knowledge through programming. Throughout Saltergate Schools, children will build upon this knowledge to ensure they are digitally literate and can express their ideas through information and communication technology. This will allow them to become active participants in a digital world.

Aims

To ensure that all pupils:

- are able to log onto a computer successfully
- understand what algorithms are and how they are implemented
- create and debug simple programs
- can be responsible and creative users of information and communication technology
- recognise the importance and understand how to keep personal information private
- understand who they can talk to if they have any concerns
- can analyse problems using computational terms
- have practical experience of solving computer programs by using logical reasoning
- recognise common uses of information technology beyond school
- can evaluate information technology, being able to explain what worked well and what was challenging

Computing at Saltergate

Computing in KS1 will be delivered through the use of Purple Mash in order to achieve the National Curriculum objectives. Teachers will allow time for one computing session per week in order to achieve these goals.

It is divided into units of work which demonstrate a progression of skills throughout each year group.

In addition to the objectives, children will take part in Safer Internet Day which takes place in the Spring 1 half term. Additional curriculum days may be used to enhance the learning.

Each unit of work builds upon previous learning to ensure children are developing their knowledge and understanding throughout KS1 and enables them to be ready for KS2.

Computing KS1	Year 1	Year 2
Autumn 1	1.1 Online Safety and Exploring Purple Mash 1.2 Grouping and sorting	2.2 Online Safety 2.7 Making Music
Autumn 2	1.4 Lego Builders 1.5 Maze Explorers	2.3 Spreadsheets
Spring 1	1.7 Coding	2.6 Creating Pictures
Spring 2	1.8 Spreadsheets	2.1 Coding
Summer 1	1.6 Animated Story Books	2.4 Questioning 2.8 Presenting Ideas
Summer 2	1.3 Pictograms 1.9 Technology outside of school	2.5 Effective Searching

Knowledge organisers will be used to support children and parent understanding of what is being covered within the year group. This will be available on the website along with any 'Extra Mile' work.

There are plenty of opportunities for cross curricular links including Mathematics, Music, Art, PSHE and English across KS1 as shown in the topic overview above.

Inclusivity

Our computing curriculum plays an invaluable role in promoting the school ethos and vision, whereby each child feels included and they can be imaginative and innovative.

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.

Home Links

The children have access to a wide variety of resources that enable them to continue their learning of the curriculum at home. This is available for parents to find on the website where they can see daily learning tasks for Maths, English and one topic per day. This work was then shared with teachers via email.

There is also a School Twitter account to share news of class and whole school events and celebrate activities within school.

Assessment

Assessment will be completed at the end of each term by teachers and added to the internal data document.

Monitoring and evaluation – be able to use planning, lesson observations, pupil voice, environmental walk and internal data evaluation to monitor this subject.

This Policy

The Computing subject Leader and the Headteacher will be responsible for ensuring the effective monitoring, evaluation and review of this policy.