Policy for Computing

Introduction

This policy outlines the teaching, organisation and management of the Computing taught and learnt at Shelton Infant School.

Intent

At Shelton Infant School our intent when Computing is to:

- equip our pupils with the skills to participate in a rapidly changing world and to broaden the children's understanding of the uses of Computing within the wider world.
- encourage them to use computational thinking and creativity to understand and adapt to these changes.
- enable children to learn how to use information and technology in a safe and effective way.
- ensure our pupils and their families have a firm understanding of effective ways to enhance their learning via use of age-appropriate digital platforms.
- develop our pupils' computing capabilities and their ability to use these with confidence.
- help children appreciate and evaluate the benefits of Computing within their own lives.
- ensure that all pupils become active and thoughtful participants in a digital world.

Implementation

We progressively cover the aims of the Computing National Curriculum and the statutory framework for the Early Years Foundation Stage profile. Our whole school progression of skills document and half termly knowledge and skills organisers for Computing have been created by teachers working together using the *Purple Mash* scheme as a framework. This ensures learning is broken down into small steps and shows clear progression. Our long-term plan is an overview of Computing taught across the year in all year groups. It is informed by the Purple Mash Scheme. Computing medium term planning is based on the National Curriculum, EYFS Curriculum and Purple Mash schemes of learning for each unit. Unit plans are informed by the provided lesson plans in the Purple Mash scheme. The Purple Mash planning documents are used to ensure that the knowledge and skills that teachers want the children to know, remember and use are clearly identified and carefully sequenced from Nursery to Year 2. This also ensures continuity and progression of teaching and learning. Opportunities to use computing skills and knowledge are actively included in other subject areas, for example in maths (data processing). In EYFS teaching and learning about Computing is incorporated into all 7 areas, through roleplay, selecting and using technology for particular purposes, giving instructions, learning about online safety and so on.

Our curriculum documents have been reviewed and validated by Satori Education Ltd who have also provided advice and guidance.

All children have the opportunity to participate in Computing at their own level of development, with teachers ensuring that lessons cater for individual needs. Children learn in a supportive environment and develop a foundation for lifelong digital literacy. Children will build their knowledge and skills within Computing and be provided with fun and engaging opportunities to develop these further.

Assessment

Assessments form an integral part of the teaching process as they inform and guide future planning. Informal assessments are used for day to day planning in the form of annotations on Computing planning, by the class teacher or teaching assistants.

Teachers regularly assess children's knowledge and skills using ongoing formative assessment and complete summative assessments at three points during the year.

Impact

The Computing subject leader monitors weekly and medium term planning regularly through Share Point. Teaching is monitored through lesson observations and learning walks by both the Computing subject leader and the Headteacher. Pupil discussions are also carried out termly. Staff are included in the development and evaluation of planning, teaching, learning and assessment of Computing during staff meetings and INSET days.

Equal Opportunities

All children will be given equal access to our Computing curriculum, irrespective of race, gender, religion, beliefs, level of ability or nationality.

Parental Involvement

Parents are kept informed about their child's learning in Computing throughout their time at Shelton Infant School. This is done in a number of ways.

- Half termly newsletters inform parents of the areas of focus in Computing.
- The Computing subject leader invites parents to an annual online safety workshop.
- An overview of our Computing curriculum is available on the school website.
- The Computing policy is available on the school website.
- Parents evenings.