



*'Discovering life in all its fullness.'*

● *Hesed* ● *Hamdah* ● *Honesty* ● *Horizons* ●

## Computing

### Overview

At Lindridge St Lawrence CE VA Primary we believe that a high-quality computing education should engage, inspire and challenge pupils, equipping them with the knowledge and skills to experiment, invent and create their own compositions. As children progress, they should be able to think critically and develop a more rigorous understanding of computing.

### Intent

The 2014 national curriculum for computing aims to ensure that all pupils:

- 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

At Lindridge CE Primary School, we encourage children to be inquisitive throughout their time at the school and beyond. The computing curriculum fosters a healthy curiosity in children about all that they can achieve using a computer. Computing encompasses the acquisition of knowledge, concepts, skills and positive attitudes. Children will acquire and develop key knowledge that has been identified within each unit and across each year group, as well as the application of specific skills. Children will apply their knowledge of computing when using equipment, completing e safety tasks and furthering their subject specific knowledge.

### Implementation

Teachers create a positive attitude to computing within their classrooms and reinforce an expectation that all children are capable of achieving high standards in computing. Our whole school approach to the teaching and learning of computing involves the following:

Computing will be taught from the programmes of study from the national curriculum, planned and arranged topic blocks by the class teacher, to have a project-based approach. This is a strategy to enable the achievement of a greater depth of knowledge.

Children are involved in problem solving opportunities and encouraged to ask their own questions. Teachers use precise questioning in class to test conceptual knowledge and skills, and assess children regularly to identify those children with gaps in learning.

We build upon the learning and skill development of the previous years. The Computing curriculum provides opportunities for pupils to make connections between ideas.

### Impact

The successful approach at Lindridge CE Primary School enables children to feel they are confident when using computers and capable of achieving well, enjoy computing and be motivated by their learning and have a sound understanding

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