

## English

At Lyneham Primary School we follow the 2014 National Curriculum for English. Our key aim is to ensure that all pupils become clear, confident communicators in both their spoken and written word. We teach speaking and listening skills from the very first day in our reception class and constantly build on these important skills as they develop throughout Key Stage One and Two.

A key focus in Key Stage One is delivering high quality phonics work, following 'Letters and Sounds' which provides children with a firm foundation for spelling, reading and writing. In addition to phonics, we also teach children to read confidently. They learn de-coding skills; how to segment words and sound them out with increasing fluency and accuracy, as well as recognising common words on sight. They also learn comprehension skills, how to understand what they read and how to use these skills to infer meaning and deduce information. The children continue to develop these skills to become fluent, enthusiastic readers who respond thoughtfully and well to the wide variety of books they read. Children are also actively encouraged to research topics and read for information as well as pleasure.

Writing is taught using first hand experiences: using speaking and listening, drama and reading to capture the imagination! From our reception class, children will be encouraged to write in a variety of genres and build on this as they continue to develop their writing skills throughout Key Stages 1 and 2. They will write for a variety of audiences and purposes to become fluent, confident writers who understand and use a variety of writing forms. Spelling strategies and grammar are taught alongside reading and writing and children are encouraged to apply this in their independent writing.

All children are taught to write using a joined writing style and to take pride and care in the presentation of their work.

## Maths

At Lyneham Primary School we endeavour to teach our children a rich and progressive curriculum. We believe that Mathematics teaches us how to make sense of the world around us through developing a child's ability to calculate, to reason and to solve problems. In our school we want to help children to understand and appreciate the pattern in both number and space in their everyday lives in and out of school. We encourage the children to develop these key and fundamental skills through their growing knowledge and understanding of the world. We want children to learn to appreciate the contribution made by many people to the development of Mathematics in our ever growing society.

The National Curriculum for primary mathematics has three aims that should be at the heart of how we interpret the content of the curriculum.

- **Conceptual understanding – the fluency of maths**  
In developing children's skills through enhancing their factual, conceptual and procedural knowledge, we allow them to deepen their mathematical understanding and be able to apply what they know to help them to solve problems.

- **Mathematical reasoning**

The progression and development of mental calculations and efficiency in strategies will provide children with the skills which will allow them to communicate and present their findings effectively using appropriate mathematical language.

- **Problem solving**

At Lyneham Primary School, mathematics is integral to all aspects of life and it is with this in mind that we endeavour to ensure that children develop self-confidence in their ability to approach a range of mathematical problems.

By providing opportunities to apply their mathematical skills in different contexts and across a range of subject areas, children will be able to work systematically to organise information, find patterns and ultimately solutions through independent and collaborative learning.

Teaching of Mathematics follows the National Curriculum, via the White Rose teaching sequences, and reflects changes introduced in 2014 for Key Stages 1 and 2 and the Curriculum for EYFS.

## **Science**

At Lyneham Primary School science begins at the earliest stages in reception where we develop children's knowledge of the world around us. We encourage children to investigate and question what they find through practical learning experiences.

As children develop through KSI and KS2 we encourage children to use their knowledge to predict outcomes, carry out increasingly complex investigations and consider fair testing. The National Curriculum areas covered in science include life processes, materials and their properties and physical processes.