

*The Glebe Primary*  
*Curriculum News*  
*Year 4*  
*Spring 2017*

Dear Parents/Guardians,

This term, the children in Year 4 will be covering all aspects of the National Curriculum including:

**Mathematics**

We will be following the New National Curriculum and working on; number and place value, mental addition and subtraction, written addition and subtraction, problem solving, reasoning and algebra, mental multiplication and division, written multiplication and division, decimals, percentages and their equivalence to fractions, fractions, ratio and proportion, measurement, statistics, Geometry: properties of shapes and Geometry: position and direction.

**English**

We will be following the New National Curriculum which includes work on:

**Fiction:** Myths, imaginative stories and Playscripts

**Non-Fiction:** Persuasion and non-chronological reports

**Poetry:** Odes and insults

We will use texts as models to help develop the children's understanding of structure and features in different writing genres and develop their understanding of the correct punctuation, spelling and grammar.

**Science**

The Year 4 Science topics this term are Electricity and Sound. During the 'Electricity' topic the children will learn about what electricity is and how it was discovered. They will identify which appliances use electricity in their homes and how to keep themselves safe. Children will then construct circuits, start to create pictorial circuits and conduct an investigation into how easily different types of switches can break and reconnect a circuit. During the 'Sound' topic, the children will learn about how sounds are made, carrying out demonstrations of vibrations, and completing a sound survey around school. They will work in groups to create a human model of the way particles pass sound vibrations on, and write and star in their own documentary explaining how sound travels. The children will work in a hands-on way to explore pitch, and will use their understanding of how high and low sounds are made to create their own set of pan pipes. They will have the opportunity to make a string telephone, and will use this to investigate how sounds change over distance and through different materials. The children will work scientifically and collaboratively to investigate the best material for soundproofing, in the context of making a music studio quieter.

**Cross-curricular Work**

The main focus of our cross curricula work this term is Norton. This will consist of a study over time tracing how several aspects of national history are reflected in the locality.

**Design and Technology**

Our design technology is linked to our Science topic. The children will use the knowledge they have learned in Science to design and make a battery operated light which will be controlled by a homemade switch. Children will decide upon the design criteria for the light by considering who will use it, where it will be used and what for. Finally, children will complete a detailed evaluation of their final product.

