



Intent

At Newlands Junior School, we aim to recognise that Science plays a pivotal role in all aspects of daily life. We endeavour to build a curriculum which develops and nurtures learning and results in the acquisition of knowledge. We educate our children following the National Curriculum guidance and objectives, but aim to embed Working Scientifically skills throughout their primary school journey, scaffolding where necessary, before establishing independence for them to create their own lines of enquiry as they reach Upper KS2. Furthermore, we aim to create an environment where children are confident enquiry-based learners, who continue to display a natural curiosity about the world around them.

The teaching, learning and delivery of Science is encouraged to be diverse amongst staff members. We aim to provide a range of kinaesthetic hands-on and written activities, as well as utilising ICT technologies, which now play a dominant role in children's lives. We encourage staff to embed the Science curriculum and look for opportunities to link their topics to scientific skills. Vocabulary taught is built upon throughout a topic and re-visited often, in order to create a common dialect within the classroom environment, which showcases the use of scientific language.

Implementation

In order for children to know more and remember more in each area of Science studied, prior knowledge is always considered and opportunities for revision of facts and understanding are built into lessons wherever possible. Revision will become good practice and ultimately helps build a depth to children's understanding of Science. Through revisiting and consolidating skills, we help children build on prior knowledge alongside introducing new skills and challenge. Revision and introduction of key vocabulary is built into each lesson. This vocabulary is then used to ensure that children are allowed opportunities to repeat and revise this knowledge.

We plan for our children to experience many practical and investigative activities during Science lessons. Working scientifically is taught as a strand in some areas within our yearly curriculum but is embedded throughout all Science topics. Through our Science lessons at Newlands, we intend to inspire pupils and teachers to develop a love of Science and broaden our understanding of the world in which we live.

Impact

We encourage our children to enjoy and value the curriculum we deliver. We want learners to discuss, reflect and appreciate the impact Science has on their learning, development and well-being. Creating an environment, which fosters a love of Science and creates enquiry-based learning will allow children to work collaboratively and practically, to investigate and experiment, whilst being able to explain and justify their reasoning scientifically.

Whole school and parental engagement will be improved through the communication between parents and opportunities for parents to witness and be a part of Science learning with their child. We want to ensure that Science is enjoyed by teachers and pupils across Newlands. This will be done by encouraging pupils to reflect on the knowledge they have learnt and continue to find out and question the world which surrounds them.

Progress within our Science curriculum is demonstrated through outcomes and the record of coverage in the process of achieving these outcomes. A variety of evidence for these outcomes can be seen published in children's topic books, on big sheets, photographs, on and on the school website.