

## Wooler First School Science

### Intent

At Wooler First School, science education should be fully inclusive to every child. It is our aim to instil a love of science in all our children while fulfilling the requirements of the National Curriculum. We wish to inspire in pupils a curiosity and fascination about science that will remain with them for the rest of their lives. We use the scheme Snap Science to ensure the progressive development of scientific concepts, knowledge and skills. From EYFS to Year 4 children will experience science through practical investigations where possible and will have opportunities throughout the curriculum to apply the knowledge and skills they have learnt. We will create opportunities to link science with other subjects.

### Implementation

To ensure high standards of teaching and learning in science, we implement a curriculum that is progressive throughout the whole school. Science is taught using the Snap Science scheme which is based upon the 2014 Primary National Curriculum in England. Teachers plan lessons for their class using the scheme as a starting point, they also take into account the interests and needs of their children.

We use resources to help excite and bring each science topic alive. They may take the form of a video clip, artefacts, pictures/ photos/ maps/ visits or visitors.

We develop subject knowledge and key skills, while differentiating the work for all abilities. In order for children to know more and remember more in each area studied, there is a structure to each lesson whereby prior learning is always considered and opportunities to recall and learn new scientific understanding are built into lessons. Teachers also use any spare minutes to revise this during other parts of the school day, e.g Year 1 has a 'knowledge box' which children use to answer questions and build vocabulary from. Through revisiting and consolidating skills, we help children to build on prior knowledge alongside introducing new skills and challenge.

We use a detailed science topic overview plan to help teachers focus on the most important questions, key knowledge and vocabulary.

### Impact

Children at Wooler First enjoy science lessons and look forward to finding out more. The children are encouraged to research independently to further their own enjoyment and fascination about the topic. This might take place in the classroom and at home through topic-based homework. Evidence of work shows science topics are covered and that work is differentiated where appropriate. Standards in science are high and match standards in other subjects.

Impact is measured through informally assessing the children's understanding before and after each topic is taught; marking of work in books; discussions with pupils throughout each unit. We use the online assessment tool provided by Snap Science to record progress. SLT are kept informed through moderation, subject reports and annual subject action plans.