



Vallis First School

Intent, Implementation, Impact (3iii) statement

Subject:
Science

Subject Lead: Ali Plumridge

Intent-What are trying to achieve?

- Foster an enthusiasm and interest in science and a sense of excitement and curiosity about natural phenomena.
- We aim to develop an engaging, challenging curriculum taught by enthusiastic, confident, knowledgeable staff.
- For each child to approach science tasks confidently and to develop secure scientific skills and knowledge.
- We aim for all children to be enquiry-based learners who can discuss, ask questions and explain their thinking using scientific language.
- We aim for all children to see themselves as scientists and recognise the importance of science in every aspect of their daily lives.
- Encourage respect for living things and the physical environment.

Implementation- How is our vision translated into practice?

In order to meet our aims above and the requirements set out in the EYFS framework and the Primary National Curriculum, we will implement the following:

- Teachers have high expectations that all children are capable of achieving high standards in science.
- Science tasks are well planned and resourced. Opportunities to make links with other areas of the curriculum are optimised.
- Every year group builds on science learning from prior year groups to ensure that science skills and understanding is progressive and continuous.
- Children spend time outdoors. Opportunities are planned to use the school grounds and the local environment to encourage children to ask questions about the world around them and to apply their science skills in meaningful contexts.

- Children will be immersed in scientific vocabulary which supports the acquisition of scientific knowledge and understanding.
- Science is taught through hands-on experiences. Children will often work collaboratively and children are actively encouraged to discuss what they observe, to ask questions and talk about what they have learnt.
- Children will have memorable experiences. Science days and interactive assemblies are planned to give all children the experience the 'wow' factor of science to enrich learning opportunities.
- Visits and visitors are planned into science topics to give children opportunities to recognise how science is used in our everyday lives.
- Children record their science learning in a variety of ways. Teachers use highly effective assessment for learning in each lesson to ensure that misconceptions are highlighted and addressed,

Impact- What is the impact of our curriculum?

- All children receive a fun, engaging, high quality science education that provides the foundations for understanding the world around them.
- Children love science and talk enthusiastically about their learning and progress in science.
- Children can talk about their understanding of science concepts using rich scientific language.
- Children will retain knowledge that is pertinent to science in a real-life context.
- Children can work collaboratively and practically to investigate and experiment.
- Children will make good progress and are expected to leave Vallis reaching at least Age-Related Expectations in Science,