

Bordon Junior School

Science Policy

The teaching of Science in our school should stimulate and excite pupils' curiosity about phenomena and events in the world around them. As science links direct practical experience with ideas it can engage learners at many levels. Through science pupils understand how major scientific ideas contribute to technological change. Pupils learn to question and discuss science based issues that may affect their own life and the future of the world.

Aims:

- To develop **scientific knowledge and conceptual understanding** through the specific disciplines of biology, chemistry and physics
- To develop understanding of the **nature, processes and methods of science** through different types of science enquiries that help them to answer scientific questions about the world around them
- To ensure pupils are equipped with the scientific knowledge required to understand the **uses and implications** of science, today and for the future.

The curriculum enables pupils to:

- obtain information from both first-hand experience and secondary sources
- use their own ideas to set up enquiries including the need for a fair test
- make predictions based on previous knowledge
- select and use appropriate equipment accurately
- make careful observations and measurements
- present results in a variety of formats
- evaluate results by comparing them with alternative data
- draw conclusions from data and identify trends
- modify their test in light of results
- use scientific terminology when presenting their conclusions
- continue to develop language, mathematical and IT skills through studies in Science

Planning

The scientific topics taught follow the National Curriculum 2014 and are noted in each year group's Termly overviews. These are integrated into the topic for the term where this is sensible to give a context for learning. Consideration is given to pupils' prior learning and the current level of attainment in Maths and English as well as Science.

Opportunities are provided for more able pupils, including through work with our partner schools. Training and support is organized and provided by the subject leader who is also responsible for monitoring the standard of work and the progress pupils are making in the subject and reporting to the leadership team and governors

This policy is reviewed every 2 years by staff and governors.