



# SHANKLEA PRIMARY SCHOOL

Science Policy

SPS

## Policy Control Details

Date policy approved:	September 2017		
Prepared by:	Helen Brown	Signature	Date
Approved for issue by:	Gareth Pearson	Signature	Date
Review period:	2 years		
Review required by:	September 2019		
Responsibility for review:	Curriculum Committee		

# Shanklea Primary School Science Policy

## Our View:

At Shanklea we believe Science encompasses the acquisition of knowledge, concepts, skills and positive attitudes. Through the programmes of study in the National Curriculum Science document, alongside our own units of work, children will acquire and develop these skills throughout their Primary years.

We believe that Science promotes communication in a specific and precise language involving scientific, mathematical and logical thinking. It allows children to develop ways of finding out for themselves and gives them practice in problem solving.

As their knowledge and understanding increases and they become more proficient in selecting and using scientific equipment and collating and interpreting results, they will become increasingly confident in their growing ability to come to conclusions based on real evidence. They will develop the skills required to record their work using conventional reports alongside other methods of recording. Science fosters a healthy curiosity in children about our universe and promotes respect for the environment in which we all share. It allows children to develop original ideas and a questioning attitude.

In Science, pupils are encouraged to be open- minded and to try and make sense of what they observe and find out. The main focus of our approach will be through practical activities where we encourage children to recognize the need for fair testing.

## Science Aims:

- To provide a Science course that meets the needs of the National Curriculum.
- To provide a course of study that will prove interesting and enjoyable to the pupils.
- To develop scientific knowledge, understanding and skills so that the children may make informed judgements about scientific issues.
- To develop the skills that will allow the children to carry out scientific investigations.
- To develop a variety of approaches the children may use to present their work.
- To encourage and develop safe practice in Science.
- To provide scientific experiences that are relevant and useful in everyday life.
- To provide a Science course that will form a foundation for the curriculum the children will undertake at secondary school.

## Health and Safety:

Health and safety issues relating to Science will be assessed and researched by the Science Coordinator. Key issues that staff will need to give consideration to will be recorded on each scheme of work. These will be reviewed and discussed each time the unit of work is to be delivered.

## Inclusion:

At Shanklea we aim to meet the needs of all our children by differentiation in our Science planning and in providing a variety of approaches and tasks appropriate to ability levels. This will enable

children with learning and/or physical difficulties to take an active part in scientific learning and practical activities to help achieve their full potential. Some children will require closer supervision and more adult support to allow them to progress, whilst more able children will be extended through differentiated activities.

At Shanklea Primary School we are committed to providing all children with an equal entitlement to scientific activities and opportunities regardless of gender, race or culture.

### **Assessment for Learning:**

Assessment for learning is continuous throughout the planning, teaching and learning cycle. Work will be frequently marked in line with our Marking Policy at Shanklea, with regular targets being set for the children.

Further assessment can be made by observing individual children at work, in pairs or in a group situation. Questioning, talking to and listening to children will form part of the assessment process.

Specific investigations will be assessed with the support of structured assessment ladders.

As the children progress into KS2 more formal written assessment will be used at the end of units of work.

Children's progress will be monitored and tracked throughout their time at Shanklea Primary School using data stored in the Primary Target Tracker.