



## West Winch Primary School

### Science Policy 2017

#### Aims & Objectives

Our Science Policy follows The National Curriculum 2014 Science Guidelines and aims to ensure that all pupils:

- develop scientific knowledge and conceptual understanding through the specific disciplines of Biology, Chemistry and Physics;
- 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;
- are equipped with the scientific knowledge required to understand the uses and implications of Science, today and in the future.

#### Purpose of Study

A high-quality Science education provides foundations for understanding the world. Science has changed our lives and is vital to the world's future prosperity. Through building key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how key knowledge and concepts can be used to explain what is occurring, predict how things will behave, and analyse causes. This understanding should be consolidated through their appreciation of applications of Science in society and the economy.

In teaching Science, we are developing in our children:

- a positive attitude towards Science and an awareness of its fascination;
- an understanding of Science through a process of enquiry and investigation;
- confidence and competence in scientific knowledge, concepts and skills;
- an ability to reason, predict, think logically and to work systematically and accurately;
- an ability to communicate scientifically;
- the initiative to work both independently and in co-operation with others;
- the ability and understanding to use and apply science across the curriculum and real life.

#### Planning the School Curriculum

The programmes of study for Science are set out year-by-year for Key Stages 1 and 2. We are however, only required to teach the relevant programme of study by the end of the key stage.

#### Attainment Targets

By the end of each key stage, pupils are expected to know, apply and understand the matters, skills and processes specified in the relevant programme of study.

## **Early Years Foundation Stage (EYFS)**

We teach science in the EYFS as an integral part of the topic work covered during the year, relating the geographical aspects of the children's work to the objectives set out in the Early Learning Goals. Science makes a significant contribution to the ELG objectives of developing a child's knowledge and understanding of the world.

## **Teaching Science to children with SEN**

At our school we teach science to all children, whatever their ability. Science forms part of the school curriculum policy to provide a broad and balanced education to all children. We enable pupils to have access to the full range of activities involved in learning about science.

## **Assessment**

This is achieved through discussion with pupils, observation of pupils, marking work and the use of termly rainbow assessments from Years 1 to 6.

## **Monitoring & Evaluation**

The Science Subject Leader will monitor and evaluate the teaching and learning of Science through monitoring and evaluation of pupils' work, lesson observations and monitoring of data via the rainbow assessments.

## **Health & Safety**

Pupils will be taught to use scientific equipment safely when using it during practical activities. Class Teachers, Teaching Assistants and the Subject Leader will check equipment regularly and report any damage, taking defective equipment out of action. Teachers will ensure the School Policy for Health and Safety is integrated into Science teaching.

## **Reporting to Parents**

Pupils' progress will be reported to parents through parent consultations.

Science Policy Adopted: Summer 2017

Science Policy Review: Summer 2019



Heather Habbin - Chair of Governing Body