### Woodside Primary School Science Policy

### What is Science?

### Rationale

Science in our school is about developing children’s ideas and ways of working that enable them to make sense of the world in which they live through investigation and using and applying process skills. Science is a body of knowledge built up through experimental testing of ideas. Science is also methodology, a practical way of finding reliable answers to questions we may ask about the world around us.

**Through science in our school we aim to:**

* Encourage the development of positive attitudes to science.
* Teach the Science curriculum in ways that are imaginative, purposeful, well controlled and enjoyable.
* Deliver clear and accurate teacher explanations but at the same time allow children the freedom to explore as independently as possible.
* Make strong, purposeful links between science and other subjects. Using ICT in a meaningful way to extend their learning.
* Develop the use of scientific language, recording and techniques.
* Enable children to become effective communicators of scientific ideas, facts and data whilst becoming experts at analysing the data they collect.
* Develop the following skills of investigation – observation, measuring, predicting, hypothesising, experimenting, communicating and interpreting.

###### Teaching and Learning of Science

Science is a core subject in the National Curriculum. The planning of science is a process in which all teachers are involved to ensure that the school delivers full coverage of the current National Curriculum and Foundation stage. The topics throughout the school provide a vehicle to deliver the Science Curriculum and ensure that the programme of study is covered. It ensures progression between year groups and guarantees topics are revisited. Curriculum maps for each class show topics and the units of science taught.

#### Assessment and Monitoring

Individual children’s levels of attainment are recorded by class teachers and are reviewed annually. These include ongoing teacher assessments and end of unit assessments against the statutory requirements stated in National Curriculum.

Science is monitored throughout the school by the Science Co-ordinator and SMT. Monitoring includes lesson observations, book scrutiny, pupil voice and sharing examples of good practice.

#### Resources

* The vast majority of resources are stored centrally in workshop.
* Teachers should collect their resources as they need them and ensure they return them to where they came from.
* Staff should notify the co-ordinator of any extra resources required, of any breakages or losses that occur and of any new materials, CD ROMs, books, DVDs etc that might prove useful.
* Unsupervised children should not be allowed to collect resources.

**Health and Safety**

* The teacher should be clear as to the purpose of the work and ensure that any testing that needs to be carried out complies with the Health and Safety procedures and has been practised prior to the lesson.
* Safety hazards should be pointed out to the children at the beginning of any work.
* Teachers should take into account any individual needs or allergies.
* Teachers should be aware of chemicals, batteries and tools kept in the central cupboard and ensure adult supervision at all times.

**Review Date**

The science policy is to be reviewed annually by the science co-ordinator.