



Childwall Church of England Primary School – Science Policy 2017



Purpose and Aims

Purpose: To allow the children to explore the world around them through investigation. Science is the study of the physical world, involving a collection of facts from observations, physical experiments and working scientifically.

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 helps them to answer Scientific questions about the world around them.
- To be equipped with the Scientific knowledge required to understand the uses and implications of Science, today and for the future.

Provision

The School's provision for Science Education is in line with the standing order for Science Education within the National Curriculum. The curriculum is delivered based around the National Curriculum 2014. The following specific programmes of study must be taught during Key Stages 1 or 2:

- Scientific Enquiry
- Life and Living Processes
- Materials
- Physical Processes

At Childwall CE Primary School, it is expected that Science is taught for one and a half hours per week in KS1 and two hours per week in KS2.

Progression and Assessment

Progression: Our Science Curriculum follows the Science programmes of study within the National Curriculum 2014 and builds on the children's previous knowledge from the previous year.

Assessment: We assess pupils' depth of understanding at the end of each unit of work and use this as a forecast as to whether pupils are on track to meet our curriculum expectations for the end of year. They are assessed as either working towards expected standard, working at expected standard or working at greater depth. It is expected that the vast majority of pupils will have an expected standard understanding and some will have a greater depth understanding.

Monitoring, Evaluation and Improvement

All staff have been given the end of unit assessments to aide in tracking the children's progress. Staff will collect this data termly and this will be submitted to the subject leader. The subject leader will then monitor pupil outcomes by auditing teachers' judgements and this is done during staff meetings. The leader then works collectively with teachers to examine the strengths and limitations in provision to diagnose why the outcomes are as they are. The leader then creates action plans to improve achievement. The leader keeps track of the improvements they have secured over time to understand how effective he or she is as a leader.

