

Name of Policy: Science	Version/Last Review Date: May 2016
Documents linked to policy: Curriculum Map Year Group Long Term Plans Development Matters Welsh Foundation Stage Curriculum International Primary Curriculum End of KS Expectations http://www.cleapss.org.uk/ http://www.ase.org.uk/resources/primary/ Be Safe (Ase)	Previous review date: June 2013
Other Policies linked to this policy:	Next Review Date: June 2019
Governor Committee Responsible	Curriculum/Research

WNA Vision: All children will achieve their full potential, with holistic support, whilst enjoying and driving their own learning, gaining self-respect, self-esteem and self-belief. Our classroom extends to rich, exciting environments within the forest, the beach, the city and the community as a whole.

Science Policy

Introduction:

This document is a statement of the aims, principles and strategies used to meet the requirements of science learning and teaching at WNA.

Aims and Objectives:

- All children to experience a broad and balanced science curriculum which is appropriate, relevant and matched to their needs
- For all children to be involved in the process of observation, classification, experimentation, prediction, measuring, recording and drawing conclusions
- For all children to experience a scheme of work which is continuous and progressive, where their work is assessed and progress recorded
- For all children to have the opportunity to ask questions, seek answers and test their ideas by using scientific methods
- For all children to record their experiences in science by using a wide variety of methods, including graphical, oral, pictorial and written
- For children to have the opportunity to seek solutions and enhance their enquiries by developing a full range of research skills including the use of ICT
- To help children to increase their knowledge and understanding, helping them to realise how science permeates everyday life and its importance to us
- For children to be able to learn through first hand experiences, whenever possible.
- For the children to learn and have a sense of wonder about the complexity of the world around them
- To encourage the children to have respect for all living organisms and to begin to understand the effect of their personal actions and the actions of others on the environment.

Equal Opportunities:

'Equality of opportunity is one of a broad set of common values and purposes which underpin the school curriculum and the work of the school curriculum and the work of schools.' (DfEE National Curriculum Documents 1999)

All pupils in the school shall be given the opportunity to learn so they can achieve their full potential. All pupils shall be given equal access to the science curriculum regardless of their religion, gender or special needs.

Curriculum and Planning:

Within the school we have developed a curriculum using the National Curriculum, International Primary Curriculum (IPC) Foundation Stage Guidance for England and Wales and Framework of Learning for Wales.

Units of learning within themes provide the basis for the planning. The long-term plan shows the progression of units from Reception through to Year 6, allowing for the children to have experience of life processes and living things, materials and their properties and physical processes each year. Scientific enquiry is addressed in each theme but with challenging progress. Year 6 also have revision of all Key Stage 2 work built into their programme in preparation for Key Stage 3.

Teaching Strategies

In Science children will have the opportunity to experience various learning and working styles; including experimental and investigative work, research using secondary sources, ICT, modelling, demonstration and discussion.

SEN:

Work will be differentiated to match the needs of all the children so that the curriculum may be accessed by all.

Assessment:

At the end of each science topic we review the progress of each child in our classes against the QCA learning objectives and APP grids are used to capture observations and assessments.

Health and Safety:

- All staff have a responsibility to:
 - a. Be familiar with Health and Safety guidelines.
 - b. Check that areas and equipment are safe before commencing activity.
 - c. Ensure safety procedures are followed and use protective equipment as required.
 - d. Report hazards to Safety Officer (who is the School Business Manager) as described in the staff handbook.
 - e. Encourage pupils and visitors to comply with the Health and Safety policy.
- Teachers are permitted to allow suitable animals into their classrooms. However this imposes on us an obligation to meet their needs and care for them humanely.
- When handling animals please bear the following in mind:
 - Check for any children with allergies.
 - Wash hands before and after contact with animals.
 - Animals may bite, please be vigilant
 - Make sure animals are in a calm, caring environment.

For more information on Health and Safety in school please see the WNA 'Health and Safety' Policy and 'Be Safe' booklet.