



Fountains Earth Lofthouse Endowed C.E. Primary School

SCIENCE POLICY

Rationale

At Fountains Earth Primary School we endeavour to develop pupils' curiosity, enjoyment, skills and a growing understanding of science knowledge, through an approach in which pupils raise questions and investigate the world in which they live.

Aims

- To deliver the Science Programmes of Study of the 2014 National Curriculum.
- To promote learning through a wide variety of teaching and learning styles.
- To develop 'Working Scientifically' skills through relevant practical tasks.
- To promote positive attitudes to the learning of science.

Guidelines

- Long term planning for science is based on the North Yorkshire Science Scheme of Learning (NYSSoL) Long Term Plans.
- Medium term planning takes place every half term, using the appropriate North Yorkshire Science Topic Teaching and Assessment Sheets as a starting point.
- Differentiation of activities will be made in the weekly/daily planning as appropriate to the pupils being taught based upon their prior knowledge, understanding and skills.
- The strong practical mathematical links with practical work will be seen as an opportunity for teaching and should be explored at the planning stage.
- The assessment of knowledge and skills will be planned for as part of the teaching process. (See assessment policy). Summative assessment will take place at the end of each term, based on teacher assessment, using the AFL (To Expected and Beyond) documents produced by North Yorkshire LA Science Team.
- The individual class teacher will usually teach Science.

- Visitors who have expertise in a particular field of science (e.g. dentistry, geology, chemical industry etc) are welcomed into school to share their knowledge with pupils, and raise the profile of science and its role in career choices.
- Similarly, educational visits will be organised, when appropriate, to enhance science teaching.
- The North Yorkshire adopted guidelines for safety - ASE 'Be Safe' 4th Edition are a **minimum** requirement of health and safety standards. See the CLEAPSS website for further information on Health and Safety issues.
- Pupils will normally be organised into small groups and encouraged to work co-operatively for science work. The group size will be determined by the age, task and ability of the pupils.
- A wide range of teaching and learning styles are used, including the Curriculum 2014 'five types of enquiry', with an emphasis on investigative, rather than illustrative practical activities.
- Pupils will be taught to use a wide range of appropriate recording methods, which will include the use of Modern Technologies at both Key Stage 1 and Key Stage 2.
- Displays of science work will be used to emphasise and raise the profile of science in the school. Where possible, interactive displays will be planned for other pupils to explore.
- Equal opportunities in science will be given to all pupils. (See equal opportunities policy).
- Resource boxes linked to the themes of the 'Science Topics' are kept in the KS2 classroom.
- Mrs. Heather Partridge is the subject leader for Science.

REVISED: 1 March 2016

NEXT REVIEW DATE: Sept 2019