

Hovingham and St. Hilda's Ampleforth Church of England VC Primary Schools

SCIENCE POLICY

Rationale

To develop in 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 New National Curriculum 2014.
- To promote learning through a wide variety of teaching and learning styles.
- To develop investigational skills through relevant practical tasks.
- To promote positive attitudes to the learning of science.

Guidelines

- The North Yorkshire Our Scheme of Work for Science (2014) will underpin planning and assessment in science
- Long term planning for science will be based on the North Yorkshire Science Topics, in two yearly cycles of access, linked to current themes in the long term plan.
- Medium term planning will take place every half term, and will be constructed using the appropriate North Yorkshire Science Topics and Teaching and Assessment Sheets. Differentiation of activities will be made at this point as appropriate to the pupils being taught, based upon their prior knowledge, understanding and skills
- The strong practical mathematical links with investigations 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 NY assessment framework.
- Science will usually be taught by the class teacher, but arrangements for teachers to team teach, or exchange classes to provide a mutual exchange of expertise can be negotiated.
- Links will be made and opportunities taken to extend the children's learning in science through collaboration with local secondary schools.
- The North Yorkshire guidelines for safety - ASE 'Be Safe' 3rd Edition are a **minimum** requirement of health and safety standards. Teachers should notify the science co-ordinator of any suggested amendments. Free advice is available from CLEAPSS hotline 01895 251496
- 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 will be used, including the North Yorkshire 6 types of practical work, 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 ICT at both Key Stage 1 and Key Stage 2.
- Displays of science work will be used to emphasise and raise the importance 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 Equalities Scheme).
- The role of the Science Subject Leader is to:
 - be responsible for the development of science in school.
 - monitor the effectiveness of science in school.
 - support teachers in their planning and strategies for classroom management.
 - disseminate new information.
 - provide or organise staff training.
 - be responsible for providing appropriate science resources
 - liaise with the secondary school regarding continuity.

