

Kildwick CE Primary School
Striving for Excellence and Promoting Christian Values
Science Policy

Date Approved: June 2017

Next Review: June 2018

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 in 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 will be based on the North Yorkshire Science Scheme of Learning (NYSSoL) Long Term Plans.
- Medium term planning will take place every half term, referencing the long term plan.
- 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. 'KWL' style activities will provide a starting point for this prior knowledge assessment.
- 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.
- The North Yorkshire adopted guidelines for safety - ASE 'Be Safe' 4th Edition are a **minimum** requirement of health and safety standards. Teachers should notify the science subject leader of any suggested amendments. Free H&S advice is available from the 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 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.
- TAPS assessments used at the end of a unit of work to allow the teacher to create a list of children who are below or working at age related expectations. TAPS assessment (Year group focused) to be chosen based on children's ability assessed through formative assessment.
- Science work will be kept in a 'Big Book' style scrapbook. Any spare work not in the book will be kept in individual folders for each child. Encourage ownership of the big book in KS2 classes. Adult led in EYFS/KS1.

REVISED:

March 2017

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