

Castleton&Glaisdale Federation

Science Policy June 2014

Aims

- To develop a positive attitude towards science throughout the school community, regardless of gender, age and ability.
- To develop an awareness of the impact of science in our daily lives.
- To deliver the science programmes of study of the revised National Curriculum. Appendix 1
- To promote learning through a wide variety of teaching and learning styles.
- To provide opportunities within science to develop quality first teaching.
- To develop the five aspects of investigation as outlined in the revised National Curriculum. Appendix 2.

The Head teacher and senior management will:

- Set high expectations and monitor teaching and progress.
- Ensure school targets are challenging but realistic.
- Ensure a whole school approach, keeping parents, governors and all staff well informed of current thinking and policy.
- Provide support for the subject coordinator and all support staff.
- Regularly review the action plan.
- Ensure staff are informed of national policies and enable appropriate training to occur.

The Subject Coordinator will:

- Lead by example, showing a thorough understanding and enthusiasm for the subject.
- Identify needs and organise relevant training within the school.
- Offer support to relevant staff in planning, teaching and assessment.
- Develop assessment materials in line with the revised curriculum. Appendix 3
- Work alongside the head teacher and Esk Valley Alliance science coordinators to monitor the effectiveness of science within the school and across the EVA.
- Maintain the profile of science within the federation and EVA.
- Monitor and review progress towards end of year and key stage targets.
- If necessary demonstrate exemplary teaching and methodology to staff from other schools.
- Ensure coverage of science within the Long Term plan.
- Audit and maintain appropriate resources.
- Ensure ASE guidelines for safety – Be Safe, are current and accessible to all staff.

The Teachers will:

- Ensure First Quality Teaching is used in all activities.
- Use North Yorkshire planning and assessment guidance to aid planning at the short and medium term.
- Use appropriate assessment materials to track children's progress and identify needs.

- Provide regular and constructive feedback to children in line with the school's marking policy.
- Ensure safe practice is occurring within the class and maintain awareness of the Be Safe guidelines.
- Ensure regular opportunities are provided to enable children to use and apply their skills and knowledge in a range of contexts.
- Ensure emphasis is placed on the teaching of investigative science.
- Use a range of teaching styles, including the use of the 5 investigation types. Appendix 2
- Ensure science maintains a high profile within the creative curriculum.
- Create opportunities for science to be encountered in challenging problem solving situations.
- Ensure that ICT is used and taught as appropriate.

The children will be encouraged to:

- Enjoy science and be able to apply their skills and knowledge across the whole curriculum.
- Develop and use a growing range of scientific vocabulary.
- Develop a secure understanding of the 5 investigation types.
- Develop a questioning approach to their work.
- Develop independence and resilience in their work.
- Learn to access appropriate resources independently, including ICT equipment.
- Approach all activities in a positive way.

The SENCO will:

- Support the science coordinator and classroom teachers in allowing all children to access appropriate learning.

Support staff will:

- Have the opportunity to attend relevant training.
- Understand the objectives and science taught in each lesson.
- Be confident in their use of vocabulary, methodology and questioning techniques.

The wider community will:

- Be encouraged to maintain a positive attitude towards science and actively support the children outside school.
- Be kept informed of the children's activities through access to Long Term Plans and weekly activities via newsletters.
- Be kept informed of their children's progress through annual reports and parents' meetings.

Subject Leader: Rob Hutt

Review June 2017