Stalyhill Infant School Science Policy

Principles of Good Science Teaching at Stalyhill Infant School

A set of principles for teaching good science has been agreed by staff and pupils. These principles are made up of 5 goals which ensure the development of curiosity, enjoyment, skill and knowledge for all of our pupils. Our school science principles will be displayed in communal science areas and in every classroom alongside a designated topic led science display. Our school science principles will also be displayed in the front cover of each child's science book and will be a point of focus for each lesson. Our school science principals are:

- We are engaged in our learning
- We can be curious
- We show resilience
- We can apply new skills and knowledge
- We can think like scientists
- We can question the world around us

Aims

- To deliver the Science Programme of Study through the current National Curriculum alongside the PLAN Primary Science Assessment scheme and 'TAPS Plan for Focused Assessment'.
- To support pupils in reaching the ELG 'Understanding the World' using Development Matters in the EYFS.
- To promote learning through a wide variety of teaching and learning styles.
- To develop 'Working Scientifically' skills through relevant practical tasks and the use of focused assessment.
- To promote positive attitudes to the learning of science.
- To promote learning outside of the classroom.
- To stimulate our children's curiosity about the world around them.

Guidelines

- Long term planning for science will be based on the National Curriculum and will follow the planned course of progression outlined by the SL.
- Planning will follow the MTP's and will include KWL grids at the beginning and end of each block.
- Science planning should not include the use of worksheets (Twinkl etc.)
- 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 science leader will monitor long term and medium term planning annually to ensure curriculum coverage
- Children will record their science knowledge in purple science books which will include a topic cover sheet for each block.
- Cross curricular links will be planned for where possible.
- The assessment of knowledge and skills will be planned for as part of the teaching process.
- Summative assessment will take place at the end of each block during reflection week using 'TAPS Plan for Focused Assessment' investigations. Evidence of children's understanding will be recorded as photo evidence, scribing by teacher/TA and/or written evidence as appropriate.
- ASE's 'Be Safe' 4th Edition is 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.
- Pupils will be taught to use a wide range of appropriate recording methods, which will include the use of ICT.
- 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.
- Each classroom will have a topic led science display.
- Science resources are to be used as appropriate for each topic and topics will be explored further within lessons with the use of Explorify.

REVISED BY: K Greer

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