

Lingham Primary School

Science Policy Document

Nov 2017



The aim of the new policy is to allow children to: Enjoy! Achieve! Aspire! Now and in the Future!

The policy outlines the guiding principles by which the school will implement Science Teaching at Lingham Primary School. The teaching of Science takes into consideration our school policies, including, equal opportunities and Health and Safety.

Long Term Objectives

1. Prepare children for the scientific world around them.
2. Foster care for the environment.
3. Help children to develop an understanding of scientific ideas in the world around them.

Attitudes

At Lingham Primary School we aim to:

1. Encourage a positive attitude to Science.
2. Build children's own learning power, develop their own natural curiosity to Science and develop a Scientific approach to their work (working independently and as part of a team).
3. Develop ability to question and think critically about ideas.

Skills

At Lingham Primary School we aim to:

1. Develop practical scientific skills (investigation, observation, measuring, predicting, hypothesising, experimenting, communicating, interpreting explaining and evaluating)
2. Improve scientific language skills.
3. Develop the use of ICT.
4. Teach science in creative ways. (Note e.g. possibility that when doing Literacy work writing instructions might be for a science experiment, maths problems might include scientist's names, biographies might include a famous scientist.

Teaching Aims

1. Teach National Curriculum in purposeful, safe, well managed lessons.
2. Make links between Science and other subjects.
3. Make links between Science and their own personal experiences and Science in the wider world.

- We teach the National Curriculum Attainment Targets:

Sc1 Science Enquiry

Sc2 Life and Living Processes

Sc3 Materials and their Properties

Sc4 Physical Processes

- We take into consideration Health and Safety (Be Safe Guide or other guidance that might be needed).

- We plan Scientific Enquiry (and other lessons where appropriate) with reference to 5 APP Foci which are equally waited.

Assessment Focus 1: Thinking Scientifically

Assessment Focus 2: Understanding the Application and Implications of Science.

Assessment Focus 3: Communicating and collaborating in Science.

Assessment Focus 4: Using Investigative Approaches.

Assessment Focus 5: Working critically with evidence.

Foundation Stage: Plan and teach following the guidance given by EYFS curriculum.

Structure of Science Lessons

KS1: Follow planned units of work as part of their curriculum. These may be taught as discrete lessons or as part of the creative curriculum.

KS2: Follow planned units of work as part of the creative curriculum.

Approach to Science

- Teach Science and reinforce with selected investigations.
- Encourage children to ask and answer their own questions.

- Cross curricular links to science.
- Visits to CLC
- Effective use of APP/Marking to inform AfL

Equal Opportunities

We ensure that all children have an opportunity to gain knowledge, skills and understanding in Science at an appropriate developmental level regardless of gender, race, class physical or intellectual ability.

Assessment and Reporting

- Topics begin with an assessment of what the children know.
- Topics end with an assessment task (maybe test or application of an SC1 task)
This will be used to help inform progress for APP sheets and tracking/Thinking Scientifically
- Marking according to schools marking policy.
- Assessment reviewed annually so improvements can be made.
- Parents are informed about the children's progress at parents evening and in the annual report.

Lingham Primary School

Approved by Governors: 28/11/2017

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