

Implementation

At Herrick Primary School, we follow a long-term plan for Science which outlines the topics that need to be taught in each year group. Alongside the long-term plan, we also have medium-planning which breaks down the unit into a clear, sequence of lessons building upon prior knowledge. The acquisition of key scientific knowledge is an integral part of our science lessons.

The progression of skills for working scientifically are developed through the year groups and scientific enquiry skills are of key importance within lessons. We encourage our children to become independent, have courage and resilience throughout our science lessons and become confident communicators by using appropriate scientific vocabulary.

Lessons at Herrick Primary School will have:

- Effective planning with clear learning outcomes
- Science taught every week
- Emphasis on science vocabulary
- Practical investigations are completed during each Scientific topic
- Children are taught a range of investigational skills
- Different enquiry types taught throughout each year group.
- Structured first-hand experience, linked to the teaching of skills, knowledge, concepts, and attitudes
- Prior knowledge to be built upon and added to each lesson

Impact

Overall, our Science curriculum ensures that children have:

- Confidence and competence in the full range of practical skills, taking the initiative in, for example, planning and carrying out scientific investigations.
- The ability to think independently and raise questions about working scientifically and the knowledge and skills that it brings.
- Courage and resilience to take part in all aspects of science lessons.
- Scientific knowledge and understanding which is demonstrated in written and verbal explanations, solving challenging problems and reporting scientific findings.
- Their scientific enquiry skills by taking part in a range of enquiry types.
- The ability to undertake practical work in a variety of contexts.

We measure the impact of our Science curriculum through:

- Work Scrutiny
- Pupil interviews across the school
- Assessment for learning during lessons
- Data analysis using our school tracking system - SIGMA