



Science at Hanwell

Intent

Science is not just what a few people do in their laboratories, rather, it is a study of the world around us; something that everyone can understand and participate in, providing rich experience and knowledge about the way things work. This is the vision that Hanwell has for our children; to experience new things, looking scientifically at a problem, asking why, developing their knowledge and understanding of the world around them today, and for the future.

Each science concept is built around an investigation, with a clear sequence of lessons leading up to the final investigation. We provide rich scientific vocabulary to enable children to go further with their learning, encouraging scientific discovery and enthusiasm. The children will develop a range of skills including observation, hypothesis, planning, and carrying out experiments, as well as being encouraged to question the world around them, always looking for the next wonder to explore and discover.

Implement

- Scientific vocabulary will be evident in both spoken and written form in books and during practical tasks.
- Knowledge organisers are created for each scientific concept (1 for each term). These will include the relevant vocabulary.
- Clear sequence of lessons will be planned, showing clear progression within each concept.
- A final write-up template will be provided for each year group. This will be used for every experiment and will show clear development in the scientific vocabulary and progression within the subject.
- Trips, visits and visitors will enhance learning.
- Topic 'pop' quizzes will be implemented at the beginning and end of each topic to assess scientific knowledge.

Impact

Science at Hanwell is well thought out, planned and implemented throughout the school. This provides consistency, improving this knowledge and attainment and children will be familiar with the testing/experiment process, therefore developing curiosity, scientific understanding, using correct vocabulary and questioning.