



Millhouse Primary School

Science Intent Statement

Intent

At Millhouse Primary School, we recognise the importance of science in everyday life and the interest it sparks in learners. We ascertain science as one of the primary core subjects and give the teaching and learning of science the significance it deserves.

This area of learning is connected with increasing pupils' knowledge and understanding of the world, and with developing skills associated with Science as a process of enquiry. At Millhouse Primary, we fully encourage the questioning and the resultant curiosity that science learning brings.

We offer these opportunities within our science teaching:

- Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- Use the essential skills of scientific enquiry in every unit of science
- Apply our science knowledge to the world around us in the past, today and in the future
- Develop an enthusiasm and enjoyment of scientific learning and discovery

Implementation

At Millhouse Primary School, our staff encourage a positive 'can do attitude' to science, with everyone reinforcing the expectation that all children are capable of achieving high standards in science.

Our whole school approach to science encompasses the following;

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- Science is taught across school in cycles, 4 cycles (KS2) and 2 cycles (KS1). This offers opportunity for our classes with mixed year groups to access all relevant learning for their year group.
 - Each science unit is supplemented by a knowledge organiser. This is visual information for the children to gain and retain the knowledge and skills set out by the national curriculum for each unit.
 - Each science unit is also connected to a significant scientist related to that discipline. This allows for a wider understanding of science in the context of the world and development as a result of science
 - Teachers use high quality planning to plan lessons that encourage practical, first hand activities that allow understanding to be gained by doing.
 - We build on the learning and skills from the previous year, encouraging a development in our skills of scientific enquiry
 - We find opportunities from early years to year 6 for children to develop understanding of their surroundings through outdoor learning and workshops with experts, including our Mad Science after school club

Impact

This successful approach at Millhouse Primary results in a fun, engaging, high-quality science education, that provides children with the foundations for understanding the world. Through various workshops, trips and interactions with experts children have the understanding that science has changed our lives and that it is vital to the world's future prosperity. Children learn the possibilities for careers in science as a result of our community links. Pupil voice is used through our school council as children make their own decisions about learning, using their own views and attitudes to support their enjoyment and motivation.