Science

intent, implementation, impact

intent

At Clover Hill VA Infant and Nursery school we intend to develop an enthusiasm and enjoyment of scientific learning and discovery. We will provide experiences that encourage our children to become confident, inquisitive, and knowledgeable, enabling children to build on their natural curiosity.

We aim to increase pupils' knowledge and understanding of our world and encourage respect for living organisms and the physical environment. We will promote a sense of awe and wonder about the universe in which they live, by providing fundamental skills that they will be able to take forward to succeed in adult life.

The school and local environment will provide first-hand practical experiences and participation in educational trips and visitors to further enrich their learning beyond school.

In addition, we will use appropriate secondary sources, such as books, photographs and videos to support children's learning. We will teach the children to use and understand scientific vocabulary, asking important questions to deepen their thinking.

implementation

At Clover Hill VA Infant and Nursery School, we use the Developing Experts scheme to plan lessons that will ignite children's passion for science and ensure consistency and progression from Nursery to Year Two.

In the Early Years the Developing Experts Scheme is used to support the planning of activities for pupils related to the topic, and pupils have continual access to resources which promote their own spontaneous investigation.
Activities and opportunities are planned that allow children to find out for themselves. Children are encouraged to ask their own questions and taught scientific skills to discover the answers.

In Key Stage One Teachers build upon learning and skill development from previous years. Working scientifically skills are embedded into all lessons. Teachers have access to the Skills Progression Map, Long term and Medium term science plans to ensure progression and coverage in line with the National Curriculum. All Teachers ensure that lessons are engaging and accessible by making adaptations to meet individual children's needs.

The teaching of Science is monitored through Tapestry where Teachers upload observations and assessment for each unit of work.

implementation

We enhance our curriculum with regular, planned outdoor learning in our forest garden, school grounds and the local area. Science extends beyond the classroom as children are given opportunities to investigate the natural world around them.

In addition to planned activities and lessons, we organise a Science week where additional time and resources are used to promote the importance of Science across the two key stages.

impact

At Clover Hill VA Infant and Nursery School, our science curriculum fosters a lifelong enthusiasm for scientific discovery. By providing rich, hands-on experiences, our pupils develop confidence, curiosity, and a deep understanding of the world around them.

Through the Developing Experts scheme, children make clear progress from Nursery to Year Two, building on prior knowledge and developing their working scientifically skills. The continuous provision in the Early Years allows children to explore and investigate independently, nurturing their natural curiosity. In Key Stage One, pupils apply these foundational skills to structured investigations, demonstrating their ability to ask questions, conduct experiments, and interpret findings.

Regular monitoring through Tapestry ensures that children's progress is assessed effectively, allowing teachers to adapt learning experiences to meet individual needs. The use of the Skills Progression Map guarantees that children acquire key scientific knowledge and skills in line with the National Curriculum.

Our emphasis on outdoor learning and real-world experiences enhances engagement and deepens understanding. Pupils develop an appreciation of nature and the impact of science in everyday life through learning in our forest garden, school grounds, and local environment. Science Week further inspires children, embedding the importance of science across all key stages.

By the time children leave Clover Hill, they are inquisitive learners who can think critically, ask meaningful questions, and apply scientific knowledge with confidence. They develop respect for the environment and an awareness of the role science plays in shaping their world, equipping them with essential skills for the future.