



Science Week 2023 SMSC & Values

Actively promoting the fundamental British values by enabling pupils to:

- **develop their self-knowledge, self-esteem & self- confidence.**
- **encourage respect for other people**
- **enable students to distinguish between right and wrong (high expectations of behaviour)**

Intent and Implementation

From the 13th to the 17th March 2023, all classes took part in British Science Week. During their science lessons, children were given the opportunity to explore their current science topic in-depth, conduct research and experiments, participate in outdoor learning, evaluate their choices and use new equipment.

Our School Values demonstrated through this event

Creativity, Wisdom, Responsibility, Thankfulness, Hope, Justice, Truthfulness, Generosity, Trust, Friendship, Perseverance and Respect

Impact

Year 1 have been learning about Seasons in Science, noticing the changes from Winter to Spring. They also watched a real-life weather report and then worked in groups to plan their own. They used weather symbols, a map and globe.



Year 2 have enjoyed learning about plants and how to keep them healthy. They grew cress in different conditions to find out what it needs to grow. They have been looking at what they need to stay healthy and how seeds grow into plants. The children dissected runner bean seeds to find out what was inside. The children pointed out the 'baby plant' and the 'food store' using magnifying glasses and discussed the role of these parts in a seed.



Year 3 have been learning all about Animals, including humans. They've learnt about different diets, nutrition and different types of skeleton. Their challenge was to assemble a replica of a human skeleton.



Year 4 have been exploring 'Sound' in their lessons – learning how sounds are made and trying to recognise patterns and pitches in sound. To understand how vibrations from sounds travel through a medium to the ear, they made string telephones.



Year 5 investigated what happens to solids in liquids.



Year 6 experimented with reflection. They discussed the reflectiveness of various materials, then discovered the angle of incidence and the angle of reflection using a torch and a mirror.



Quotes from the children:

- "We put the coat on the bear when it was cold, so he could wear his hood and keep warm and dry".
- "We nursed a plant back to health by giving it water, sunlight and the right conditions each day".
- "We grew this plant from a bulb – just look at it now 4 weeks later!"
- "We were amazed that we could hear each other through a piece of string!"

Quotes from the Staff:

“Giving the children an opportunity to explore for themselves is really purposeful”.

“The experiment gave the children the opportunity to experiment without the fear of being wrong”.

Evidence of development and pupil progress in SMSC:

SPIRITUAL development as shown by pupils’:

- ✓ sense of enjoyment and fascination in learning about themselves, others and the world around them
- ✓ use of imagination and creativity in their learning
- ✓ willingness to reflect on their experiences

MORAL development as shown by pupils’:

- ✓ ability to recognise the difference between right and wrong, readily apply this understanding in their own lives and, in so doing, respect the civil and criminal law of England
- ✓ understanding of the consequences of their behaviour and actions

SOCIAL development as shown by pupils’:

- ✓ use of a range of social skills in different contexts, including working and socialising with pupils from different religious, ethnic and socio-economic backgrounds
- ✓ willingness to participate in a variety of communities and social settings, including by volunteering, cooperating well with others and being able to resolve conflicts effectively
- ✓ acceptance and engagement with the fundamental British values of democracy, the rule of law, individual liberty and mutual respect and tolerance of those with different faiths and beliefs; the pupils develop and demonstrate skills and attitudes that will allow them to participate fully in and contribute positively to life in modern Britain.

CULTURAL development of pupils is shown by their:

- ✓ understanding and appreciation of the range of different cultures within school and further afield as an essential element of their preparation for life in modern Britain
- ✓ willingness to participate in and respond positively to artistic, sporting and cultural opportunities
- ✓ interest in exploring, improving understanding of and showing respect for different faiths and cultural diversity, and the extent to which they understand, accept, respect and celebrate diversity, as shown by their tolerance and attitudes towards different religious, ethnic and socio-economic groups in the local, national and global communities.

