

Science at Ashton Gate Primary School

Intent

All pupils at Ashton Gate are encouraged to explore and investigate the world around them, and their ideas about it, using problem solving, a real life context and hands on exploration. We believe that science matters and that scientific thinking is for everyone. We are a scientifically literate community. Children are encouraged to be curious, and follow their own lines of enquiry, where appropriate.

Scientific understanding and skills are carefully planned to ensure progression of skills and knowledge across the school. Science is taught regularly, to ensure that skills can be built upon effectively.

Implementation

Science subject leaders have good subject knowledge, which is shared regularly with staff through planned staff meetings and interventions, as well as in a more informal basis.

Children work in practical activities in small groups, pairs and individually throughout the year, cooperating as necessary. Teachers ensure that there is ample opportunity to work independently, to gain scientific skills for future learning. Through practical demonstrations, visitors, trips and events, children are given the opportunity to reflect on scientific phenomenon and the wonders of the natural world. This promotes discussion; allowing children to show respect for different points of view and consider moral and ethical issues in science.

Children are aware that science is a major part of our culture, and integral to our future as we ensure that there is a variety of science visitors throughout the school year. Teachers ensure that scientists from a range of cultures are represented across the school.

Teachers skilfully use assessment to move the learning on and unravel misconceptions that are addressed through clear feedback.

Children have access to a range of reading materials and resources that they can use to independently inspire their learning and deepen understanding.

Impact

Learners develop a detailed knowledge and skills, and assessment records demonstrate that the key stage frameworks have been achieved.

Children are aware of the range of science activities and opportunities that are available to them, and are keen to pursue in the future.