

The Science curriculum at the Croft will look like (intent/implementation)

Science at The Croft is taught in either weekly hour lessons or in a block - this can be at the teachers discretion. Science follows the National Curriculum programmes of study and is delivered during cross curricular Science and Topic lessons as this promotes links between areas of the curriculum and increases engagement and enjoyment of the subject. During Science lessons, we aim to give the children a high-quality science education that provides the foundations for understanding the world through biology, chemistry and physics. We aim to provide the children with exciting lessons engaging the children with a variety of activities. Lessons and experiences that encourage the children to 'work scientifically' are at the centre of our science curriculum and we strive to provide a curriculum that both engages and challenges the children to understand how science can be used to explain what is occurring, predict how things will behave and analyse causes. In lessons and through whole-school curriculum days and assemblies we provide opportunities for our children to learn about people in history who have had an impact on scientific understanding along with present day scientists, careers available and uses of science in the world.

Outcomes (impact)

The children at The Croft enjoy Science and are curious about the world around them. They ask questions and seek answers. We encourage the children to investigate and discover science both in and out of school, which is reflected in the half-termly homework projects which engage the children in the research and presentation of a topic theme which can often be science based.

Our children are able to use a wide scientific vocabulary and have a sound understanding of scientific concepts. Appropriate scientific vocabulary is used from the beginning of the children's education experience in Reception and is developed through both science, topic and literacy lessons. We provide lessons, activities and experiences that leave lasting memories with our children as they have both excited them, challenged them and deepened their understanding. We celebrate the children's work through attractive displays which promote Science and boost the confidence and self-esteem of the children.

Links to whole school improvement

The development of Science education at The Croft feeds into the School Development Plan targeting our children's awareness of the world of work and the types of roles that they might aspire to. The Science Coordinator delivers a series of assemblies that focus on STEM careers, challenging stereotypes and raising the children's awareness of the attributes that they are developing that they can use in a scientific career.

Each year the subject coordinator for Science will devise an action plan to ensure that good quality teaching & learning is taking place and will review this during the year.

Over the year, the local schools' Science Coordinators meet to share good practise and share ideas to help develop and improve the curriculum we offer our children.

Assessment

To support and lead teaching and learning at The Croft Primary School, the children undertake a variety of assessment activities. These include Focussed Assessment Tasks; which may be carried out at the beginning of a topic to assess the children's prior knowledge and inform teacher planning or towards the end of a topic to assess their understanding and depth of knowledge. These tasks take a variety of forms including practical investigations. Teachers use Explorify to encourage discussion and provide opportunities for children to display and apply their knowledge and understanding to different scenarios.

The Croft Primary School Intent, Implementation & Impact for Science

Links to the wider community and extra-curricular provision

Many of the cross-curricular topics that are taught have a strong science theme and some of these are linked to learning outdoors in the school and local environment. We enrich our curriculum by using outside agencies, for example The Canals Trust and The National Space Centre and each class experiences a trip or an in-school event with a science theme. These include trips to Conkers, Ash End Farm, The Wolsley Wildlife Centre and visits from the Planetarium, Critterish Allsorts and visits to the local allotments. The Croft welcomes parent volunteers to support in school with class activities and each class holds an annual parent-pupil workshop which often has a theme linked to the science topic they have covered. Children's work is displayed throughout school and parents and carers have the opportunity to view their child's work at open evenings, parent evenings and via social media.