



Subject Intent

At Appleton Roebuck, we know that science should tap into children's natural curiosity and excitement about scientific discoveries, how this has changed our lives and how it will shape our future. We aim to promote scientific enquiry, questioning, the thrill of discovery and ability to find meaning in what is observed. Through our engaging curriculum we aim to promote a love of science and for the children to see themselves as scientists.

The STARMAT Subject Progression Framework (SPF) ensures pupils gain a breadth and depth of Science understanding across the primary years. All schools follow the SPF allowing for collaboration across our schools. It also ensures that teachers can make direct links to previous learning, building on key knowledge and skills. Coverage of the National Curriculum is ensured through the SPF.

Science @ Appleton Roebuck

At Appleton Roebuck, Science starts in EYFS with exploration, investigation and questioning which the children access through inspiring learning journeys, explorative areas of provision and discovering the world around them through own individual interests.

We then build on this by using the Plymouth Science scheme to deliver an engaging and progressive Science curriculum across KS1 and KS2.

- Science is promoted and evident through the school, through topic displays and working walls.
- Clear progression of skills with links across the curriculum.
- Previous knowledge is re-capped and assessed to check understanding.
- Children are exploring and being curious about the science around them and science in the world.
- Children have the opportunity to think scientifically and are given opportunities for scientific enquiry.
- Children and staff are connecting learning through re-capping, revisiting and revising.

Key Principles

1. Science is taught through 'hands on' experiences, where children gain a greater understanding of the topic.
2. Oracy is promoted in the classroom to enable children to articulate their thinking using scientific concepts.
3. Science is vocabulary rich.
4. Science is taught regularly and learning is re-visited with children remembering more and knowing more.
5. Children are provided with regular opportunities to work scientifically

Science at Appleton starts in EYFS where Science is planned and delivered through provision areas, child initiated learning and discrete science lessons which fall within the learning journey.

In KS1 and KS2 weekly Science lessons are delivered in blocks and are grouped around a core theme (see LTP) to make links across the curriculum.

Science in the Locality

We are proud of the local heritage and rich history that our village and its community have to offer. Wherever possible, we weave this throughout our curriculum, utilising the amazing outdoor learning space to inspire and support the children's learning. We use our orchard, local woodland areas and local green spaces to inspire learning and ensure practical outdoor activities provide a stimulus for the children's curiosity to flourish and develop their understanding of our locality and the greater community around us.

We have strong links with local experts such as marine biologists, beekeepers, farmers, doctors and fruit harvesters. These support different year groups at different times of the year to enhance our curriculum and provide local expert knowledge. An example of this is Apple Day, when our children make apple juice from our orchard.

We are proud members of the Ogden Trust and our year 6 pupils attend the Great Science Share every year.

Subject Impact

Throughout their time at Appleton Roebuck Primary school, children become independent learners, thinkers and explorers and develop a curiosity about the world they live in. Our pupils hold the ability to apply their strong knowledge to investigations. Through undertaking enquiry, pupils can gather information, record data and interpret findings. Children observe over time, seek patterns, identify, classify and group, test both comparatively and fairly and research using secondary sources. These taught skills provide children in our care with a wealth of opportunity and ensure that they use Science now and in their future in the wider world.