



Science Vision and Principles

At Powick we build our Curriculum around our Christian vision of 'Embracing Learning Together'. We encourage our children to make the most of both intended and incidental learning opportunities to support them to fulfil their potential during their primary school years. In science this means that we follow the following key principles:

- Our mapped curriculum is effective and supports the learning of key skills as well as scientific knowledge.
- Our teaching has clear outcomes and develops children's ability to identify, compare, classify, research, investigate, evaluate and conclude.
- We encourage the pupils to keep an open mind and use the 'let's try and see' approach.
- Our Science teaching incorporates aspects of other subjects such as English, Maths and Geography.
- Our children discuss the applications of different aspects of science in the real world and concrete examples. This includes studying the work of Scientists past and present and exploring possible careers within our Science topics.
- Our lessons activities are engaging and inspirational and include practical work and outdoor opportunities.
- Our children have plenty of opportunities to remember and recall prior learning.
- Our lessons are purposeful, nurture children's curiosity and encourage scientific thinking.
- Our curriculum prepares children for the main aspects of Biology, Chemistry and Physics which they will study in KS3.

