Bolham Primary School Science Curriculum

Intent

The Bolham Primary School Science Curriculum uses the EYFS Curriculum and National Science Curriculum 2014 as the legal basis for content and age-related expectations to deliver a curriculum which is accessible to all pupils and where children have the opportunity to:

- Develop a lifelong curiosity, enthusiasm and interest in science. Acknowledging how important STEM subjects will be in the future and exciting opportunities that children could be presented with.
- Develop a range of scientific skills (Working Scientifically) through investigations (observation, questioning, measuring, identifying, classifying, recording, presenting, drawing conclusions, evaluating).
- Develop a depth and breadth of Scientific Knowledge and Conceptual Understanding (SKCU) through high quality lessons.
- Build on their knowledge and skills each year through sequences of lessons.
- Achieve through developing their knowledge and skills in a varied way.

Implementation

The Bolham Primary School Science Curriculum is structured so that:

- A rolling science programme is place which ensures our mixed age classes experience a broad and balance curriculum over two years through Key Stage 2 and over three years for EYFS and Key Stage 1.
- Science may be taught as part of a wider theme or topic, but subject specific content may also be taught discreetly.
- 'Seasonal Changes' are taught over the course of the year in Key Stage 1.
- Working Scientifically is taught through the SCKU objectives drawn from the National Curriculum. The progression documents identify the areas that the objectives for Working Scientifically can be met through.
- Working Scientifically is met through investigations and hands-on activities and builds children's SKCU in addition to the Working Scientifically skills themselves.
- A whole school progression map is in place which identifies the science objectives at both key stages and the EYFS (Understanding of the World and Physical Development). This ensures progression within the subject and allows teachers to clearly build upon prior learning. As well as Working Scientifically, this is particularly relevant for the following areas: Plants; Animals, including humans; Living things and their habitats; Materials.

Impact

The impact of our science curriculum is:

- Children are given opportunities to acquire the key knowledge, skills and vocabulary required at the end of each phase (EYFS, KS1, Lower KS2, Upper KS2)
- Children demonstrate and develop an enquiring, scientific mind that they use to ask questions and find solutions
- Children have a broad knowledge of scientific concepts and use it to help understand the world around them
- Children are excited by science and are actively engaged with their learning, preparing them for the challenges of the future