



The Intent, Implementation and Impact of our Curriculum – Science

Intent

- To prepare children for life in an increasingly scientific and technological world.
- Fostering care and concern for the environment in which we live.
- Helping children to understand the impact science has had on lives and how it is vital to the future.
- Developing children's understanding of scientific ideas and skills to investigate the world around them.
- Using imaginative and purposeful activities that are enjoyable and spark enthusiasm for science.
- To make links between science and other subjects.

Implementation

- Provide opportunities for child- led enquiry.
- Develop children's understanding of scientific processes and the different lines of enquiry, e.g. observing over time, pattern seeking and sorting and grouping.
- Develop skills of working scientifically, including: ideas, questions and planning, observing, measuring and presenting evidence, concluding, communicating, explaining and evaluating evidence.
- Develop the use of scientific language, recording and techniques.
- Develop children's literacy to read and spell scientific terminology appropriate to their age as well as articulate scientific concepts clearly and coherently.
- Enable children to be effective communicators of scientific ideas, facts and data.
- Verbal feedback will be implemented across the school so that children have instant formative assessment.
- Implemented cornerstones as a teaching tool in Sept 2018 but after review through staff voice in Jan 2019 we felt that science wasn't being delivered in enough depth therefore we changed the timetable so that 1 hour of science is taught per week outside of topic learning. This was shared in a staff meeting.
- Science assessment implemented across the whole school. This will be regularly monitored for impact.

Impact

- Children will have a natural curiosity for scientific concepts and develop positive attitudes towards science.
- Children will have a deep and lasting interest that motivates them to study science further.
- Children will be able to apply skills learnt in science across other subjects and in the natural world around them.
- Children will progress throughout the school as they encounter and learn new scientific language and terminology as they move through the school.
- The profile of science will be raised across the school by all staff.
- Children will have a clearer understanding of what they have achieved and what they need to do to improve.