

## HIPS vision and principles of practice for science

In science we will foster children's innate sense of curiosity to learn about the world around them. Through practical, meaningful science teaching and learning, our children will become curious, observative, **resilient** and **reflective**. In our lessons we will cover the topics materials, plants, humans, animals and habitats. These are visited twice a year, to allow for coverage, progression and to ensure misconceptions and gaps in learning can be addressed. Working scientifically is woven within our weekly science lessons.

At Hartford Infant and Preschool we believe that great science occurs when:

- All children are able to access our science curriculum and everyone is **involved**;
- Science is cross-curricular and children make links with the world around them, including broader issues such as caring for the environment;
- Children are engaged, inspired and excited by what they are learning;
- Children can demonstrate their knowledge through inclusive assessment;
- Children are challenged to ask their own questions and explore the answers;
- Children have access to well resourced, practical lessons that enable them to **work together** and **problem solve**;
- Staff have **high aspirations** for children to become scientists of the future.

