Science

- statement of intent



At Drayton Junior School, we believe
that a high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science changes our lives and is vital to the world's future prosperity, and all pupils will be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

Science in our school is about enabling children to make sense of the world in which they live. Children benefit from high-quality teaching and learning experiences in the classroom, with many hands-on opportunities to ensure that they develop robust scientific enquiry and investigative skills. However, we also use our grounds, nature area and locality as a way to explore science, and give children in every year group the opportunity to learn from real-life scientists, whether visiting in person or remotely. Children are immersed in scientific vocabulary, which aids their knowledge and understanding, not only of the topic they are studying, but also of the world around them. We intend to provide all children regardless of ethnic origin, gender, class, aptitude or disability, with a broad and balanced science curriculum.

Science also offers opportunities for pupils to experience at the complexity and beauty of the natural world. Through reflection on the interconnectedness of life and the responsibility we have as stewards of creation, children develop curiosity, gratitude and a sense of purpose.