



**" We have gravity, it keeps us on the floor." EYFS**

### **Science**

**To see a world in a grain of sand, and a heaven in a wild flower, hold infinity in the palm of your hand, and eternity in an hour. *William Blake* (Hamlet)**

### **Intent**

The Federation of St Joseph's aims to develop a sense of excitement and curiosity about natural phenomena and an understanding of how the scientific community contributes to our past, present and future.

Pupils will develop a knowledge of biology, chemistry and physics, but also adopt a broad range of skills in working scientifically and beyond. The scheme of work is inclusive and meaningful, so all pupils may experience the joy of science and make associations between their science learning and their lives outside the classroom. Here at St. Joseph's we recognise studying science allows children to appreciate how new knowledge and skills can be fundamental to solving arising global challenges.

### **Implementation**

St Joseph's curriculum is a spiral one, with essential knowledge and skills revisited with increasing complexity, allowing pupils to revise and build on their previous learning. A range of engaging recall activities promote frequent pupil reflection on prior learning, ensuring new learning is approached with confidence.

The Science in action strand is interwoven throughout our scheme to make the concepts and skills relevant to pupils and inspiring for future application. Cross-curricular links are included throughout each unit, allowing children to make connections and apply their science skills to other areas of learning.

### **Impact**

After experiencing our curriculum, Children at St. Josephs will leave school equipped with the requisite skills and knowledge to succeed in key stage 3 Science. Staff are committed to ensuring that our pupils will have the necessary tools to confidently and meaningfully question and explore the world around them as well as critically and analytically experiencing and observing phenomena. Our children will leave St. Josephs with the ability to understand the significance and impact of science on society.

