



## Science Intent Statement 2022

At Norden, in all key stages we have a high-quality science curriculum that provides the foundations for understanding the world through the specific disciplines of Biology, Chemistry, Physics and working scientifically.

Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of knowledge, methods, processes and uses of science. Through building up a body of key foundational 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.

Here at Norden, we develop enquiring scientists through high quality teaching of our science curriculum which ensures that:

- Progression is mapped from Early Years to Year Six following the EYFS framework (Understanding the World) and the National Curriculum; the substantive and disciplinary knowledge is built upon year on year to make a progressive and engaging programme of study.
- Scientific disciplinary and substantive knowledge is developed through the specific disciplines of Biology, Chemistry and Physics using the key concepts and five different enquiry types.
- Working scientifically is planned within each unit of learning to ensure inclusion and progression within each year group and each key stage.
- Pupils are equipped with the scientific substantive knowledge required to understand the uses and implications of science, today and for the future
- Pupils are able to describe processes and key characteristics in everyday language and are also familiar with, and use, technical vocabulary accurately and precisely.