



## Science SMSC Statement

### **Spiritual Development**

Our science curriculum goes hand-in-hand with spiritual development by inspiring a sense of awe in the world around us and encouraging an emotional and intellectual desire to know more about it. Pupils will wonder about the importance and interdependence of all living things and materials in our world, from observing the smallest microorganisms to asking big questions about our Solar System. They will gain the foundational knowledge to ask these questions and the skills to explore their ideas.

### **Moral Development**

Science is important to the moral development of all pupils. A focus on research skills highlights the importance of supporting ideas and predictions with evidence, especially in an ever-changing world where current theories are constantly challenged. It encourages a respect for different opinions whilst demonstrating the importance of supporting these using the scientific method and fair testing.

Moral aspects of the science curriculum align with goals across other subjects. A focus on evaluating others' research aligns with PSHE and computing goals that teach pupils to sort through unreliable sources. Furthermore, many ethical questions involving human issues and the environment arise throughout our science curriculum as they do in geography.

### **Social Development**

Knowledge taught in the curriculum exposes pupils to a scientific community that has achieved life-changing breakthroughs in medicine and technology, and discoveries that have changed how we view the world around us.

By practicing skills as a team, pupils learn to work together, sharing ideas respectfully and organising themselves to achieve a shared goal. By sharing their data, they not only practice teamwork, but also gain first-hand understanding of how vital it is in gaining robust, trustworthy results that can be further developed and used to ask new questions. They will understand that societal change can occur through scientific collaboration.

### **Cultural Development**

Science supports cultural development by exploring ideas from scientists of various cultures. It evidences the power of science in changing religious and cultural views, for example through our understanding of space and evolution. Through its collaborative nature and focus on evidence-based research and data, science supports cultural development by bringing all kinds of people together and transcending cultural differences altogether.

**You will never have this day again so, with the guidance of God, make it count!**