

Science Curriculum Intent

“We are Proud”



The primary intent of our science curriculum is to cultivate a curious, confident and aspirational learner who not only is scientifically literate but also develops a natural curiosity about the world around them.

We believe science plays a pivotal role in everyday life and is a gateway for understanding an ever-changing world.

To this aim, our science curriculum is designed to:

- Develop successful, aspirational life-long learners who strive to make progress and achieve their best by fostering curiosity and encouraging enquiry.
- Ensure pupils thrive academically, leaving Newlands equipped with a deep understanding and use of enquiry skills.
- Support all learners through adaptive teaching, ensuring lessons are inclusive and accessible for every child.
- Recognise science as a key subject that underpins learning across the entire curriculum and impacts the acquisition of knowledge in all subjects.
- Nurture confident individuals who are able to lead safe, happy, healthy and fulfilling lives, now and in the future by providing opportunities for how science impacts daily life, enabling children to make informed decisions, understand risks and develop the knowledge and skills to live well and safely.
- Encourage pupils to become respectful, kind and active adults who are compassionate, open-minded, supportive and accepting of others by valuing ideas during discussion and promoting an environment where every contribution is celebrated and respected.
- Create responsible citizens who make a positive contribution to their school, their community and the wider world by ensuring children encounter real-life scientific issues.
- Enable children to acquire a broad and rich vocabulary through purposeful exposure to challenging and engaging scientific concepts, enhancing their spoken and written language skills.
- Prepare children for a rapidly changing world of future challenges, new technologies and global awareness by developing an awareness on current scientific issues.
- Shape active and creative minds with the ability to think critically by the creation of oracy-rich classrooms and fostering a supportive and inclusive environment, where communication, collaboration and critical thinking are integral to learning.
- Give pupils the courage to act on their beliefs, showing grit, determination, independence and the ability to overcome challenges with resilience by learning about people who have made significant contributions to science and the world.

**Pride will be displayed in all we strive to achieve
Personal development is at the heart of our curriculum
We prepare for possibilities, hopes and dreams
Success for today, ready for tomorrow.**