Intent

Our Science curriculum aims to foster a deep appreciation and curiosity for the natural world, enabling students to develop the scientific literacy necessary for informed decision-making in an ever-evolving society. The curriculum seeks to instill a passion for inquiry and experimentation, encouraging students to explore the principles of biology, chemistry, and physics. Additionally, it strives to nurture critical thinking, problem-solving, and communication skills, fostering a generation of scientifically literate pupils. Ultimately, the goal is to empower learners with the confidence and capability to navigate an increasingly complex world through scientific understanding.

By the end of Year 6 our children will have developed:

Tolerance by:

- drawing valid conclusions about why some scientific ideas which used to be supported are now refuted
- understanding how scientific ideas have developed over time

Respect by:

- be able to respectfully communicating ideas through the use of scientific language
- using materials/equipment appropriately during lessons

Resilience by:

- taking repeat readings
- make suggestions as to how a method could be improved

Reasoning by:

- recognising the application of specific scientific ideas
- choosing what measurements to use and why
- using own scientific experiences to explore ideas and raise different types of questions
- whether to repeat experiments based on results
- when to set up comparative tests
- explain how to accurately use equipment
- recognising which variables to control
- be able to conclude and interpret results

Striving to improve by:

- evaluating experiments
- making further comparative tests
- making further fairer tests

Independence by:

- making decisions about what observations to make
- deciding how long to observe for
- deciding the best way to show results or findings

Problem solving by:

- taking units of measurements in standard units
- recording of data to prove/disprove theory
- classifying materials and living things