



Developing Subject Specialists at Westacre Middle School—SCIENCE



The traits of a pupil when they leave Westacre Middle School are as follows:

- **Demonstrate** independent learning strategies through the 6Rs.
- **Develop** scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- **Understand** nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them
- **Read, spell, pronounce** and **use**, scientific terminology accurately and precisely.
- **Ask** their own questions about the scientific phenomena that they are studying, and select the most appropriate ways to answer these questions, recognising and controlling variables where necessary
- **Use** a range of scientific equipment to take accurate and precise measurements or readings.
- **Record** data and results using scientific diagrams and labels, classification keys, tables, bar and line graphs.
- **Draw** conclusions, explain and evaluate their methods and findings, communicating these in a variety of ways.
- **Recognise** potential risks and hazards associated with Science and effectively prevent avoidable danger by using effectively safety precautions.
- **Make** links to other subjects to enhance and recognise that scientific ideas can change over time.
- **Articulate** scientific concepts clearly and precisely, ensuring effective communication.
- **Begin** to develop sufficient understanding of science to engage meaningfully in more sophisticated discussion of experimental design and control, providing foundations for upper KS3.