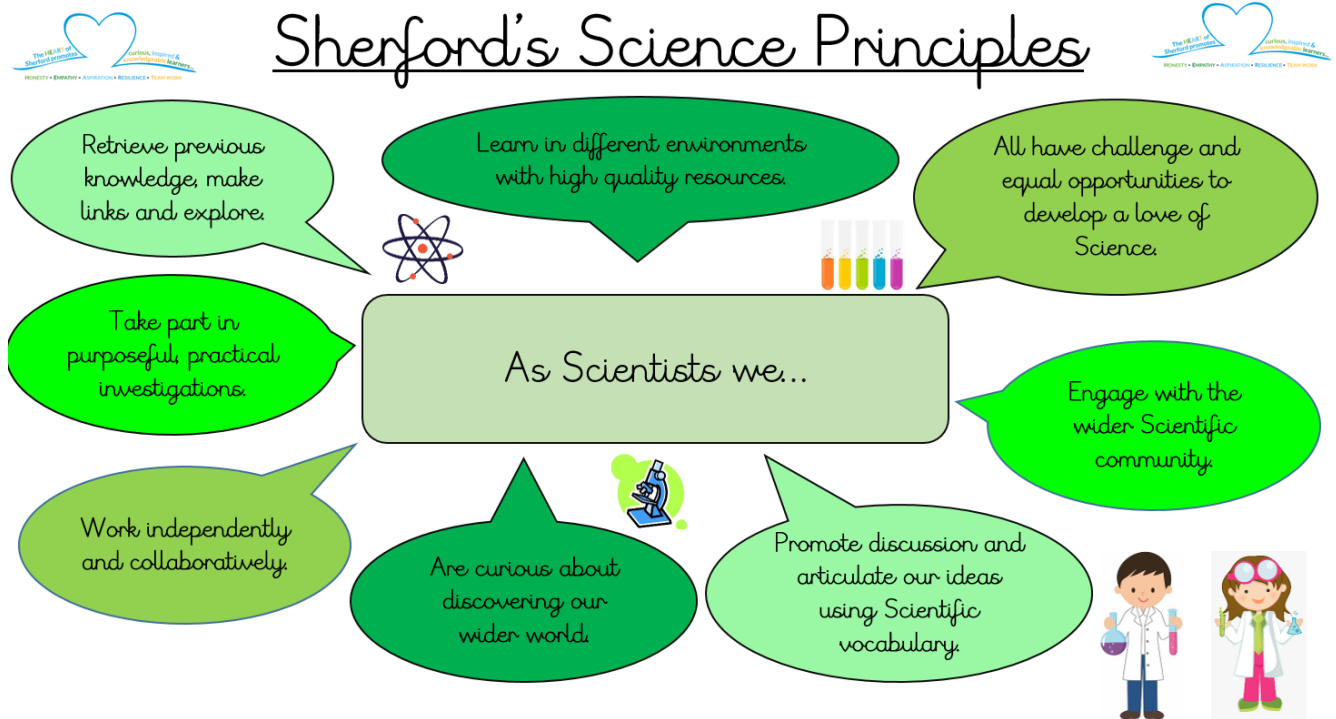


Our Intent



IMPLEMENTATION

- A love and curiosity for science is promoted throughout the school.
- Teachers distinguish between the specific disciplines of biology, chemistry and physics.
- Science is taught through purposeful and practical experiences, where children gain a greater understanding of the world.
- Oracy is promoted in the classroom to enable children to articulate their thinking clearly using specific, technical scientific vocabulary.
- Science is taught weekly and learning is re-visited with children, allowing children to store knowledge into their long term memory.
- Children given opportunities to make links to everyday life through external visits and visitors and their relevance in the wider world, through a range of scientific enquiries and experiences.
- All children are challenged to apply their knowledge across various concepts, making links across lessons and units.
- Clear models are provided through the use of concrete materials and manipulatives.
- Through AfL, teachers use questions to check for understanding and higher-order questioning to deepen understanding.
- Teachers plan to address and challenge common misconceptions.

- Children are provided with verbal feedback to help them move forward in their learning.
- Children solve problems - using reasoning skills to develop a deeper understanding.
- There is a clear progression of knowledge with links across the curriculum. Teachers are clear about prior and future learning so children can do more and know more.
- Themed science weeks and science days to promote science across the school.

## IMPACT

- Children are resilient, resourceful and enjoy science learning.
- Children can explain what they have learnt and ask questions.
- Assessment shows that children are equipped with the scientific knowledge required to understand the uses and implications of science, in the past, today and for the future.
- Pupil conferencing and learning walks show that children are enthusiastic and motivated in Science.
- Staff surveys show staff are confident with science leadership and the teaching and delivery of Science.
- Science CPD provided for staff so they have a range of resources to support teaching, learning and increase confidence in subject knowledge.