

Science

Intent



At Chuter Ede, we are scientists.

In Science we want our children to be inspired, excited and engaged to learn about the natural world through observation and experimentation as part of a well structured and rich curriculum.

Our intent is for children to:

- ...develop scientific knowledge and conceptual understanding in order to make sense of the world through the specific disciplines of biology, chemistry and physics.
- ...develop understanding of the nature, processes and methods of science through different types of enquiry - comparative and fair testing; pattern seeking; identifying, classifying and grouping; observing over time; research using secondary sources.
- ...be equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future
- ...use their knowledge, to reason and support their thinking about scientific concepts and the world.
- ...develop confidence in using scientific vocabulary to explain scientific concepts, processes, their observations and conclusions. Children develop confidence to ask questions using scientific vocabulary.
- ...develop an understanding of how to work as a scientist by working scientifically.
- ...ask specific questions about the world around them.
- ...be exposed to how science is used around the world and in different cultures to enable children to reflect on diverse communities. Scientists are studied to enable them to see themselves as having the potential to become scientists.
- ...have an appreciation and understanding of how science influences all of our daily lives is essential to the children feeling empowered to make a positive difference to society
- ...learn how to carry out investigations to empower them to be confident to ask questions and then plan their own investigations
- ...experience school workshops (Planetarium, Dinostar) and visits to places of scientific interest (e.g The Deep, Creswell, Sherwood Forest) empower children to understand how science relates to real life
- ...be supported to fully access the science curriculum including those who have SEND or are disadvantaged. This may include additional adult support or use of visual/actions.

"Valuing everyone and aiming for our best"