

Science Implementation

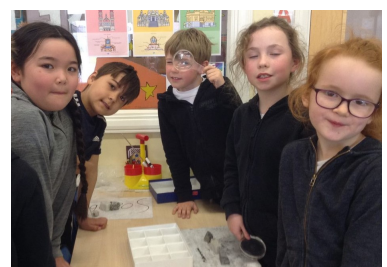
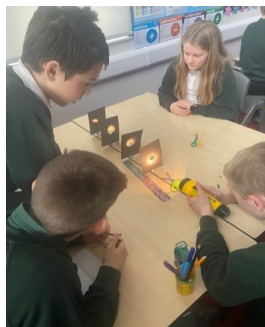


At Chuter Ede, we ensure our curriculum areas are delivered through our SMILE approach.



Children are aware of the elements of SMILE that are incorporated into a lesson to support their learning

- The science scheme of work, developed by staff across all key stages, lays out the sequential steps to be taught so that new knowledge, skills and key science vocabulary build on what has been taught before and pupils can work towards clearly defined high quality outcomes. This sequence of learning can be seen in the Progression Document.
- Teachers are expected to teach Science as a discrete weekly lesson.
- Although there could be evidence across a range of books, the majority of Science will be recorded in individual Science books.
- Children experience investigations covering all age/phase appropriate enquiry types (comparative and fair testing; pattern seeking; identifying, classifying and grouping; observing over time; research using secondary sources). These are displayed in classrooms.
- "Working Scientifically" learning objectives are taught throughout all year groups to ensure Long term memory of key science objectives are supported by this repetition. These are seen on the Disciplinary plan as progressive objectives
- Where possible, children should learn skills and knowledge through practical applications. Every child, no matter their age or ability, should be encouraged to explore and question.
- Lessons/ sequence of lessons have a Substantive and Disciplinary Learning Objective. Some lessons may be recorded through photographs. Teachers mark against the Learning Objectives.
- There is the expectation that children use the correct terminology and are taught to spell the relevant words (found in the subject overview). If key vocabulary is spelt incorrectly, and it is appropriate for the ability of the child, a certain number of corrections will be expected (depending on age).
- Planning allows children to further their understanding of how they learn through the school's strategy of SMILE (I can: Speak, Move, Imagine, Learn and Explore)
- Where possible, links are made to other subjects to embed the learning and through access to high quality texts at different times of the year.
- Science Day is held annually, in school workshops (Planetarium, Dinostar) and visits to places of scientific interest (e.g. The Deep, Creswell, Sherwood Forest) to further expose children to careers in science and how science is used practically in the natural world.



"Valuing everyone and aiming for our best"