

Impact

Our curriculum consistently leads to good outcomes and results for the pupils at Chancel Primary School. We are consistently in line and above national averages for outcomes at the end of EYFS, KS1 and KS2.

Pupils leave Chancel Primary School with a secure understanding of Science. All pupils are taught essential aspects of the knowledge, methods, processes and uses of Science, including appropriate terminology and vocabulary. They are encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes. Through appropriate assessment systems - both formative and summative - and monitoring by the subject leader, it is clear that children get bountiful opportunities to practise all of the above, proving that this vision for Science is subsequently being carried out.

Intention 1: to develop our learner's learning (our head and body: what we learn)

Through rigorous teaching, children's learning in this core subject area is mostly in line with or exceeding their age-related expectations. This is demonstrated through teacher's assessments systems including, but not limited to, the summative White Rose assessments at the end of each unit of work. Staff get regular training sessions in Science teaching methods, providing innovative and effective ways to teach the curriculum content. Teachers are encouraged to use a variety of methods, including LOTC and floor books, to ensure children are engaged and enthused throughout their learning journey. The impact of this is that the Science teaching stays with the children forever, preparing them for the next stage in their learning journeys appropriately.

Intention 2: to develop the character of our learners (our heart and character: who we are when we learn)

Science impacts the children in many ways, enriching them with an understanding of how the world, and their own body, actually works. The impact of the rigorous questioning and exploring of concepts ensures children learn more about themselves as well. We measure this by seeing how their understanding of Science translates to other subject areas; particularly PSHE and RE, where scientific concepts can raise many philosophical and religious questions. The impact of this intention is that children, through the teaching of Science, become more willing to question the world around them and investigate why or how something is.

Intention 3: to develop behaviours and habits to become effective learners (our actions and attitudes: how we act when we learn)

Our Science teaching encourages children to develop transferable skills such as teamwork, questioning, investigating and explaining. This can be utilised in daily life. Through investigations, children are encouraged to build on their independence year-on-year. Through failures and mistakes, not uncommon in Science lessons, children develop their resilience and perseverance. The impact of Science ensures children leave Chancel with many skills to carry forward with them.

Intention 4: to develop the moral compass of our learners (our place in the community and wider world: who we are)

Science relates directly to the wider world by explaining how the wider world works. Through Science teaching, children are exposed to many ideas, including ideas from notable and influential scientists, which they will carry forward through their learning careers. This will influence how they respond to situations, how they think and will even influence what they believe. The impact of Science- monitored through book trawls, learning walks, and talks with the children- is hugely influential on children's lives; they will leave Chancel further enriched through Science teaching.

As a result of our Science teaching at Chancel Primary School you will see:

- Engaged children who are all challenged, resulting in enthused and enriched learners who are
- passionate about the subject,
- Confident children who can all talk about Science and their learning, demonstrating a clear understanding of the whats, whys, and hows of the world, explaining the processes of everyday life using their extensive scientific knowledge and skills.

- Lessons that use a variety of resources to support learning. Resources are kept up-to-date and are audited annually to ensure children have access to top-quality resources to complement their learning.
- Enrichment opportunities, Science workshops, STEM days, whole school Science quizzes, themed days and weeks and Science out-of-school excursions.
- Learning that is tracked and monitored to ensure all children make at least expected progress, using formative, in-class methods and summative testing.