

“As unique individuals, we do our best at work and play for the love of God and others.”



Science - One Page Profile

Non-Negotiables

Science is a core subject across school and influences critical thinking and reasoning skills across other subjects. Lessons are usually interactive and hands-on with practical and investigative aspects. Pupils learn through experience and observation, looking more closely at the natural and human-constructed world around them. We encourage all children to be curious and ask questions about what they notice, developing their understanding of scientific ideas to answer their own questions, including observing changes, noticing patterns, grouping and classifying things, and carrying out simple comparative and fair tests. They draw conclusions and use some scientific language to write about what they have found out. In upper key stage 2 pupils develop a deeper understanding of scientific ideas, asking their own questions. They select the most appropriate ways to answer science questions using different types of scientific enquiry, drawing conclusions based on their data and observations.

Scheme

Each class (excluding EYFS) will follow the learning objectives found in the Rising Stars Curriculum, which is influenced by the National Curriculum.

Assessment

We have taken the approach of having a whole class book to allow us to teach in a more interactive way. A selection of the children's work will be stuck into the whole class book at the end of each lesson. Other pieces of work will be stored in class folders as evidence and to inform teachers' assessments.

Children should complete a mind map at the beginning of the topic and add to it in a different colour at the end. This will indicate progression over the course of the topic. Driver words should be emphasised, planned into the topic, and be evident in the assessment.

By following the syllabus, teachers should plan in opportunities for informal assessment at the end of each activity, this will guide the next steps to move children on and support formative assessments. To supplement this, end of unit tests on Rising Stars Switched on Science will support teachers' assessments.

Monitoring

Monitoring will take place once per half term though a review of the whole class books by the subject lead and a discussion with the class teacher about why they think the children are at that level, supported by evidence from the file, including mind maps and end of unit tests.