

Brookfield Community School



REDHILL ACADEMY TRUST
Exsisto Optimus 

SCIENCE AT BROOKFIELD

“Science should be an engaging and inspiring journey that excites students, fosters curiosity, and equips them with the knowledge to become scientifically literate members of society—empowering the next generation of scientists”.

Brookfield Science Department. 2025

The successful applicant will join a team of nine highly motivated professionals, in enabling students to maximise their potential by developing a deep understanding of Science through engaging, challenging and enjoyable Science lessons. The department also has a Science technician providing practical support. The department has a friendly and supportive atmosphere with teaching and learning at the centre of everything we do and staff are supported in continually developing their practice as we all strive for excellence.

The Science department has nine recently renovated laboratories, all rooms have an Interactive Smartboard and projector.

The school as a whole is in a very exciting phase of development after joining the Redhill Academy trust in 2019. The school has achieved a 'Good' rating in the most recent OFSTED inspection and has been one of the top 5 performing schools in Derbyshire over the few years.

Key Stage 3

Currently students are taught in mixed ability classes for Science in years 7 and 8, and a combination of setted and mixed ability groups in year 9. Students follow a course based on a KS3 scheme of work designed by Brookfield staff and a set of centralised resources. These materials cover the development of key science concepts, practical skills and maths skills designed to integrate with the AQA GCSE course in KS4. Year 9 students begin their GCSE Science courses half way through Year 9.

Key Stage 4

In Year 10 and Year 11, two classes follow the AQA Triple Science course (in which they complete three separate GCSEs in Biology, Chemistry and Physics) and four classes follow a GCSE in AQA Combined Science (Trilogy).

The GCSE Combined Science classes are taught in ability sets to support maximum progress for all student.

In a similar way to Key Stage 3 the Schemes of Work used to deliver lessons are largely those created and developed by Brookfield staff themselves using bought in resources to support the development of these courses.

Key Stage 5

Our Sixth Form students follow the OCR A A-Level syllabus. The school offers Biology, Chemistry and Physics courses, all of which are extremely popular with students in the Sixth Form. Teaching at Key Stage 5 involves engaging and challenging activities that are used to interest and enthuse students as well as developing understanding and practicing the skills that are required for the practical skills endorsement and the wider A-Level course.

In all our work at Brookfield we are driven by the goal of enabling students to achieve their best. We do this by focusing on teaching and learning and working collaboratively to create activities that allow students to develop their understanding and skills. This prepares them for success in exams and when they leave Brookfield. This ensures Science lessons at Brookfield are varied, engaging, challenging and effective. Work in lessons is supported by our weekly KS4 period 6 revision sessions, which provides students an opportunity outside of lesson to receive extra support from Science teachers or help with revision etc.

We are looking now to add to our team an energetic and enthusiastic teacher who can take an active part in all these aspects of Science at Brookfield.

I look forward to welcoming new colleagues who have the necessary skills, qualities and values to make a truly positive contribution to Science at Brookfield.

In the next two years the department considers its main priorities to be:

- Continuing to improve the progress measures for all students.
- Develop teaching and learning strategies to maximise the progress of students.
- Embed regular review and retrieval routines in teaching to promote success in linear exam courses.
- Continuing to develop quality feedback and PRIDE activities for students to maximise progress.
- Continuing to focus on the progress of different groups of learners in Science.
- Increase the level of engagement at Key Stage 3 as we fully embed our new KS3 Science course.

Nicola Baddeley

Head of Science – March 2025