

# Science at Gartree

## About the Department

### Our Science department vision statement

To provide an engaging and inclusive learning environment that empowers every student to explore and ask valid questions about the world around them. We are dedicated to expertly teach a science curriculum that nurtures knowledge, critical thinking and problem-solving skills, so all students reach their full potential in science, thereby preparing them to meet the challenges of an ever-evolving scientific world, however big or small their role may be in the future.

- Students in Key Stage 3 currently have 2 double period lessons per week and follow the AQA KS3 syllabus which gives them a good grounding for the next stage. Year 7 and 8 are currently taught in mixed ability groups. In Year 9 there are two streamed higher ability groups, and the remaining groups are mixed ability.
- The majority of Key Stage 4 students study the AQA Trilogy: Combined Science course with 3 double period lessons per week. In Years 10 and 11, there are two option classes of Triple Science students who study individual sciences.

The Science department has seen positive trends in pupil outcomes and progress over recent years. This is borne out of a supportive department with a strong shared vision and ethos. Two real strengths of the team are the sense of openness and willingness to assist one other. Resources are shared between staff, as well as tips and tricks on pedagogy and experiments and demonstrations to promote good understanding. We have established innovation in our teaching and learning with a large emphasis on evidence-based practice. A significant emphasis currently is on ensuring good standards in marking of exams papers so team standardisation and moderation has ensured staff feel more confident in marking. Staff at all stages in their career feel their ideas can be shared and will be employed by others in the team.



The department has seven members of teaching staff, ranging in experience. A Science Technician supports the work of the team with a well-resourced large prep room.

M. Newson  
Head of Science

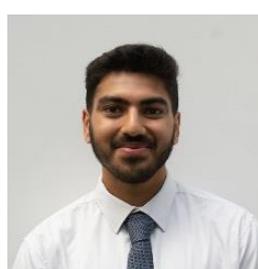
### Meet the Team



Anthony Thomas  
Teacher



Emily Kirk  
Teacher



Ismail Chilwan  
Teacher



Kumail Jaffer  
Teacher



Mike Jesson  
Teacher



Aaliyah Ahmed  
Teacher



Stephanie Lamb  
Science Technician



Sarah Griffiths  
Science Technician