



The Science Department endeavours to raise attainment and close the gap between pupil premium students and non-pupil premium students, ensuring that all learners reach their full potential through providing support to overcome barriers to pupil premium students' learning and reduce the difference in experiences with non-pupil premium students.

- Albert Einstein once said, 'The important thing is not to stop questioning. Curiosity has its own reason for existing'. The Science department believe that to gain the best out of our students we must enthuse and engage them. We therefore promise that students will experience high quality teaching through a practical rich environment with curiosity at its heart that will not only aid their examination technique but also support and inspire students to have the skills of being curious individuals.
- Building relationships and communication are important aspects of progress for the Science Department as we are aware that each student is an individual and will have their own path. The Science sets are fluid and therefore students will be set dependent on their individual needs ensuring the best possible progress at the right pace. To ensure we get the best understanding of our students we consistently communicate and work apace with the middle schools to enable us to gain a better picture of the students and correlate the curriculum.
- As a department we find that students' resilience and fear of failure can hinder progress and we know that the key to breaking down this barrier is through feedback to students from their teachers and therefore we as a department strive to communicate with students in regards to their progress through quality verbal and written feedback using rigorous and frequent assessments to support this. There is an expectation in Science that students will take responsibility for their learning through set intervention homework.
- We find that some of the barriers to learning in Science is the terminology that is used and the numeracy aspect of the course. One of the ways in which we support students with this is by having literacy and numeracy corners in each of the Science classrooms whereby students have access to a variety of supporting resources. We strive to create a climate of resilience within lessons and have high expectations of our students to challenge their understanding and articulate verbally and within their written work.
- We recognise that rewarding our students for their efforts in Science is vital. We seek to praise our students through a variety of methods for example, Student of the Week recognition award that is updated on classroom doors weekly, including projecting the reasons for nominating students around the school building, lunch que jump passes, merits in planners, phone calls home and even Scientist of the term badges.

To create a cultural rich education in Science the department promise to provide students with cultural opportunities for students whether this be Sixth Form Master Classes through the links with Sixth Form College, visits to Universities, star gazing in the star dome or even live autopsies to inspire students to be curious and forever learning individuals.

“Working together to achieve our personal best”