Science at Montsaye

Overview:

Our aim in science is that students become articulate, confident and scientifically literate with skills so that they are motivated and able to expand their own knowledge and work independently. To facilitate this, all students follow a broad and spiralling science curriculum from year 7 to 13. Students will be encouraged to question the reliability of studies and issues facing society with an awareness of health and safety necessary as a responsible member of society. Our staff are highly experienced, several with experience of examining at GCSE and/or A level. We offer a range of pathways to GCSE including Combined Science (Trilogy) and the separate GCSE qualifications in biology, chemistry and physics.

Intent:

In order to achieve our intentions, we need to integrate the school ERA values of excellence, resilience and aspiration into our curriculum. We therefore aim to teach stimulating lessons including a range of motivational home learning tasks for KS3 to encourage students to talk about science at home and engage in learning beyond the classroom Though building skills in our younger students we aim to develop self-motivated students who enjoy the challenges of the science curriculum. To complement our curriculum run our STEM club after school. We organise a range of activities that aim to introduce our students to the wide range of career and further study opportunities available.

Our delivery plan is constructed alongside the school's assessment programme to facilitate three common assessment points across the year, with robust centralised grading. Interim assessments provide formative assessment of content and skills with aspiration lessons to develop skills, effective self-reflection with identification of strengths and weakness and activities to close the gap between current achievement and target grade. Assessment outcomes are used to inform future planning of teaching and learning.

Student Vision:

- To allow students to gain a better knowledge of how and why things function
- To provide students with an insight into how this subject is going to be useful in their chosen next steps in life
- To develop a range of transferrable skills including problem solving, critical thinking, teamwork and scientific communication
- To provide an opportunity to consider how developments in science and technology leads to progress in our understanding.

Exam Board: AQA

Assessment Method: 100% Examination

The team:

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