



Physics Department

The Physics Department is part of Thornhill College Science Department. Teachers in the Physics Department contribute to the delivery of Key Stage 3 and Key Stage 4 Science. At GCSE and A-level Physics is taught as a separate subject.

At Key Stage 3, all elements of the Science programme are taught by each class teacher. At Key Stage 4 Triple Award and Double Award courses are available. Modular examinations are taken by pupils during Year 11, while coursework and preparation for terminal GCSE papers take place in Year 12. It is intended at Year 13 that Astronomy will be offered as an additional GCSE.

The main aims of the Physics Department are:-

- to provide and ensure a coherent learning experience of physics throughout all year groups in the school.
- to provide opportunities for pupils to succeed at the highest academic level
- to provide and develop support for all pupils to best meet their learning needs
- to give pupils the opportunity to take part in extra-curricular activities
- to stimulate and sustain interest in, and an enjoyment of physics and its applications.
- to stimulate interest in and develop an awareness of the social, economic and environmental implications of physics
- to encourage pupils to regard physics as an important part of many careers open to them
- to show that physics is a coherent framework of knowledge based on fundamental theories of the structure and processes of the physical world
- to foster relevant communication skills and ability to work with others

A programme of study is used to ensure that continuity of progression is provided for each pupil. In addition pupils complete departmentally set assessed homeworks once a month and are tested twice a term to determine progression.

Teachers within the Physics department work as a team to develop and share material to enhance the learning of all pupils. An essential part of this is that teachers are encouraged to improve and develop the curriculum experience of pupils through the enhancement of their own professional skills.

The Physics department in tandem with the whole school community are committed to developing a blended approach to teaching and learning, given the current situation of teaching through a pandemic. To this end, the successful candidate will be required to be cognizant of the digital platforms currently used by Thornhill College. The Physics department uses Office 365, Google Classroom and Microsoft Teams for the bulk of teaching and learning but many other emerging technologies are encouraged and welcomed for both staff and student enrichment. It is hoped that the successful candidate will be of assistance in helping the Physics department to further develop ICT as an integral part of the learning process for students.

March 2021

(Please ensure that in your application form, you address the criteria mentioned in the job advertisement.)