



Archbishop Tenison's

CHURCH OF ENGLAND HIGH SCHOOL



DEPARTMENT NAME: Physics

CURRICULUM

- *In Physics, we study a range of subjects, from Mechanics, Thermal Physics and Forces in motion to Electricity, Cosmology and Quantum physics. From the very big to the very small, we cover everything.*
- *We use the OCR A level Physics textbook, which comes as two separate volumes for AS and A2, or you can purchase a combined textbook with both.*
- *Some interesting parts of our curriculum include the formation of stars, medical physics and particle physics.*



WHAT'S GREAT ABOUT PHYSICS AT TENISON'S

How do you teach?- We teach using flipped learning (reading through and making notes at home while using class time to go over questions), a range of practicals and interactive lectures.

Innovative approaches- Flipped learning is pretty innovative, putting the responsibility in the hands of the learner with the teachers as guides fosters independent learning that is very useful for university and later life.

What do students like about your subject?- Learning about the world around us and how and why things work the way they do.



OPPORTUNITIES AND SUCCESSES

- *What extra curricular activities do you run (usually!)?- We usually enter the UK Space Design competition every year at Imperial College, collaborating with different schools across South London to design a space colony and present it to a panel of experts, all over the course of one very intense day.*
- *What trips have you run?- We normally do a trip to CERN every 2 years, seeing the large hadron collider and the museum of science in Geneva, as well as a trip to the UN.*
- *What do you offer in addition to the curriculum?- The opportunity to do the UK Physics Olympiad*
- *Careers our pupils have- Engineer, Pilot, Actuary, Architect*