

Stepney Green Sixth Form. Physics. Curriculum Statement

Intent

- Our KS5 Physics students have a high percentage progression onto STEM related subjects and we have also retained a high proportion of students to study KS5 Physics and many of our students aspire to various fields of Engineering, Astrophysics and other Physics related degrees.

Implementation

- A Level Physics follows OCR A and all subject follow a well thought out and structured syllabus that builds on their knowledge.
- Each class will have two teachers (where possible), One teacher will be the majority teacher and see students for two double lessons and this teacher will take the majority of the responsibilities when it comes to tracking and monitoring students. The minority teacher will see them for one double lesson per week. The teachers of each class will offer constant support and will continuously support and communicate the progress of our students. Each teacher will follow different pathways each of which will compliment and support each other complement.
- You will be provided with a textbook and folder which must be brought to every single lesson at the beginning of the lesson and must stay organised and up to date. Textbooks and folders should also be taken home and used during independent study and textbooks are provided to students at a cost if lost or damaged.
- You should expect a 2-week induction to introduce skills and practice skills with the main focus on independent study and how you should plan your time effectively.
- We have a large focus on independent study and we expect you to follow a structured timetable for this and all assignments will be posted on MS teams. This I/S plan also takes into account spaced retrieval, so we leave longer and longer periods of time between each sub-chapter review task.
- Our teachers are incredibly passionate about Physics and regularly read and share research and interesting articles.
- Physics lessons follow a very collaborative approach and you will work together on an array of tasks whether that be discussions, debates, interpretations, exam questions or practical investigations and every person in the group must have a role and must contribute.
- From 2021 our students take part in the annual British Physics Olympiad competition.
- In Physics we really encourage you to study beyond the syllabus to create and develop more passion and interest by sharing articles, discussing the news, reading more books from the library.
- Reflection is really important in Physics and we have dedicated time in the year to have 1 to 1 discussions with you to discuss your progress and aspirations and how you can be better supported.
- We are also hoping to replicate our trip to CERN with our future cohorts.c

Impact

- We have a high recruitment for KS5 Physics and we have improving and stronger exam results year on year.

- Many of our students have gone on to study various fields of Engineering and other Physics related degrees at Oxford University, Imperial, UCL, Kings and other Russell Group universities.