

Entry Requirements:

Holy Family Sixth Form entry requirements apply. You will also need two Grade 6's or above in GCSE Combined Science. These grades are additional to a passes in both GCSE Mathematics and English Language.

The Learning:

In Year 12 level you will learn about Particles and how recent developments (including the LHC at CERN) are enhancing our knowledge. You will also develop your skills in Mechanics, Waves and Current Electricity. In Year 13 you will find out how Nuclear Power is obtained and generated. Fields (Gravitational, Electrical and Magnetic) will be covered and enhanced by reference to everyday applications. The study of Medical Physics will enable you to understand more about how physics is used in the treatment and diagnosis of medical conditions. Physics encourages a high level of numeracy and is attractive to those students who like to question things and think 'outside the box'.

This course is a linear course with formal terminal examinations that are sat at the end of two years and is delivered by two specialist subject staff. Candidates will sit 3, 2hr long written papers that will form the A level Physics award. As well as Physics content these papers will rely heavily on English and mathematical skills and comprise synoptic questions from the whole two years of study.

What direction this course might take you in:

A Physics Advanced Level qualification provides a smooth pathway to university courses and careers in Physics and other areas where Physics is a key component. These include Architecture, Engineering, Technology, Meteorology and Medical Professions.