

# PHYSICS

## WHY CHOOSE PHYSICS?

Physics has a huge impact on society as it underpins the technological revolution. By studying Physics you will begin to understand how technology has developed and the impact it has had on society. You will work together with like-minded people who have a desire to understand the world around them.

While studying Physics you will acquire transferable skills including numeracy, problem solving, and an ability to reason clearly and communicate well.

## COURSE DETAILS

Physics is a very practical subject, and as such, pupils will carry out a significant amount of experimental work in order to research topics and investigate fundamental physical laws.

## FURTHER INFORMATION

Physics is a demanding subject which requires commitment and enthusiasm from both students and staff. Here at Westholme, students are taught in small, supportive groups where everyone has the chance to discuss their work with the teacher every lesson. The nature of the school means that staff are always available, and positively encourage students to seek their advice outside of lesson time.

A rich co curricular programme is in place to develop a love of the subject and to build a positive team dynamic. These activities include evening lecture trips and a three day trip to CERN.

All of the above lead to excellent examination results.



## RELATED CAREERS

Physics qualifications are highly respected by a wide range of universities and disciplines. An A Level in Physics can lead to many things, including research, medicine, architecture, engineering, business and finance.

## COURSE REQUIREMENTS

A Level Physics is a highly demanding course and as such it is essential that a student has a minimum of a Grade 6 GCSE in both Physics/Science and Mathematics. Mathematics A level is not necessary as any extra skills can be taught as needed. However, if considering taking Mathematics, a Mathematics with Mechanics option will provide a very useful overlap with the Mechanics section of the Physics course.



## RELATED SUBJECTS

Medical Physics, Health Physics, Telecommunications, Microelectronics, Nuclear Power & Instrumentation, Cryogenics, Astronomy, Geophysics, Oceanography, Materials Science, Computing, Engineering, Meteorology, Environmental Physics, Aerospace Industry, Scientific Civil Service.