A LEVEL PHYSICS

OVERVIEW

The study of Physics allows us to understand the world around us. It is crucial to explaining what the world is made up of and how it fits together. During the course students will acquire numerical, analytical and problem solving skills, all of which are sought after by numerous employers. The course aims to develop practical skills whilst covering the topics of particles and radiation, current electricity, mechanics, materials and waves. Students continually build on these practical skills and develop their knowledge of mechanics, alongside exploring the topics of gravitation, magnetic fields, radioactivity, thermal physics and cosmology.

.

ENTRY REQUIREMENTS

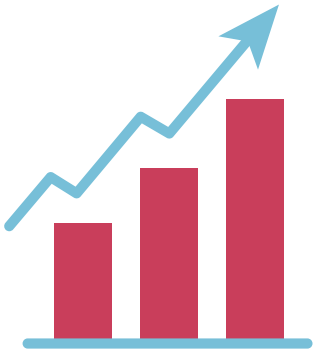
GCSE Grade 6 in Physics or Grade 6,6 in Combined Science and GCSE Grade 6 in Mathematics

ASSESSMENT

Three external examinations:
·Paper 1 = 34%
·Paper 2 = 34%
·Paper 3 = 32%

COURSE UNITS

- Measurements and their Errors
- Particles and Radiation
- Waves
- Mechanics and Materials
- Electricity
- Further Mechanics and Thermal Physics
- Fields and their Consequences
- Nuclear Physics
- Turning Points in Physics



FUTURE OPPORTUNITIES

A physics qualification is essential for all types of engineers, as the basic principles of physics underlie all other areas of modern technology. Previous students have gone on to study physics and other related courses at university level, as well as medicine, maths, chemistry, pharmacy and computer science.

FURTHER INFORMATION

Physics is suitable for those with a logical and numerate mind, excellent problem solving skills and the ability to work integrally as part of a team, alongside being able to communicate effectively in practical situations.

For further information, contact us:

01924 483666
enquiries@mirfieldcollege.co.uk
Mirfield College
Kitson Hill Road
Mirfield, WF14 9EZ