

# Physics A Level OCR

An A Level in Physics enables you to build on your knowledge of the laws of physics, applying your understanding to solve problems on topics ranging from subatomic particles to the entire universe. You also have the opportunity to develop all the relevant practical skills. This course is suitable for students who like to understand how things work as well as solving problems. Those who have a solid grounding and aptitude for Mathematics are more likely to enjoy the course.

## Course Structure

- Module 1: Development of practical skills in physics
- Module 2: Foundations in physics
- Module 3: Forces and motion
- Module 4: Electrons, waves and photons
- Module 5: Newtonian world and astrophysics
- Module 6: Particles and medical physics

## Skills & Knowledge

This course provides numerous opportunities to use practical experiences to link theory to reality, and equip you with the essential practical skills you need. The course also develops mathematical and problem solving skills. All of these skills are highly valued by both employers and universities.

## Assessment

This course is 100% exam based incorporating three papers. All exams will take place at the end of the second year.

## Opportunities & Enrichment

The sixth form encourages all students doing A Level Sciences to join the National Stem club (see current writings) and to take Mathematics A level next to Physics. Further reading, working with the LRC is an important part to enrich the curriculum and to reach higher grades. Finally WMSF offers a number of internal and external seminars, trips to enrich curriculum and assistance in applications to STEM HE courses.

## Future Careers & Pathways

Physics is recognised as an entry qualification for a wide range of Higher Education courses and employment. You could opt for a career in engineering, architecture, radiography, civil engineering, biotechnology, the health service and even finance.