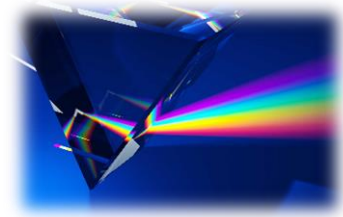


Physics National 5



Why take this course?

Physics gives learners an insight into the underlying nature of our world and its place in the universe. From the sources of the power we use, to the exploration of space, it covers a range of applications of the relationships that have been discovered through experiment and calculation, including those used in modern technology.

The Course will develop learners' interest and enthusiasm for Physics in a range of contexts. Skills of scientific inquiry and investigation will be developed throughout the Course by investigating the applications of Physics.

The National 5 course enables learners to develop confidence in exploring and communicating ideas on scientific phenomena. Learners develop the ability to solve problems and establish relationships in Physics by acquiring a broad knowledge base, practical skills and mathematical skills. Learners practice scientific methods of investigation from which general relationships are derived and explored. The course provides many numeracy, communication, practical and problem solving skills sought after by employers.

To succeed in this course, you need...

Pupils choosing this course should have preferably studied physics in S3. Pupils choosing this course in S5/6 without previous physics experience will need to undertake an orientation period where they familiarise themselves with the N4 physics course content. Good numeracy skills and maths at N5 level are essential (N5 Applications of Maths is not a suitable equivalent). A willingness to adopt new learning methods including web based digital learning approaches is essential.

Course structure and Content

The course offered covers the following areas of physics at N5 level:

- Dynamics
- Space
- Electricity
- Properties of matter
- Waves
- Radiation

Course Assessment

All students will complete at least one practical investigation report and at least one short scientific report where they will need to describe a Physics principle in terms of its effect on the environment and society. There is a written exam at the end of the year.

Where might this course take me?

N5 physics is a prerequisite to study Higher physics. N5 physics is also a qualification which is recognised by industry for apprenticeships and careers in engineering and technology. It is a prerequisite subject for entry into Medicine, Veterinary Medicine and Dentistry.