

Physics



Why take this course?

In Physics learners will gain a deeper understanding of the world around us through an appreciation of the contribution that Physics has made to improve the quality of our lives.

Physics is about finding out how the universe works. Over the centuries, by using Physics, scientists have gained some knowledge of the workings of the Universe and have used that knowledge to develop civilisation and give us the lifestyle we enjoy today. For example, different methods of electricity generation provide us with the energy needed for our TVs, microwaves, hairdryers, heating systems to name a few.

The scientific literacy, verbal and written communication, numeracy and analytical skills developed during this course are transferable across subjects and will be invaluable for life, learning and work.

To succeed in this course, you need...

- An interest in Physics and the sciences
- To be comfortable with maths and simple equation
- The ability to work in a practical situation and follow instructions
- A willingness to adopt new learning methods including web based approaches.

Course Content

The following topics are covered:

- **Electricity and Energy**
- **Waves and Radiation**
- **Dynamics and Space**

Course Assessment

There are a number of topic based tests, assignments and investigations.

Where might this course take me?

This course is a continuation of topics covered in S1 and S2 Science. It can lead to study of physics at various SQA levels up to Advanced Higher. It also provides skills and knowledge which are transferrable to the world of apprenticeships and employment.