

PHYSICS – CfE HIGHER

What are the aims of this course?

The **Higher Physics course** is designed for pupils who wish to continue their study of Physics to a higher level. It allows pupils to gain a deeper understanding and appreciation of physics and its applications from quantum theory to the universe.

What are the recommended entry levels for this course?

For this course, potential pupils would be expected to have gained an award in **National 5**. However the best route for progression in a one year Higher is an A or B pass at National 5.

What content is included in this course?

The course is composed of three units of study including; **Our Dynamic Universe, Particles and Waves and Electricity**.

What skills will I develop?

The main aims of this Course are for learners to:

- develop and apply knowledge and understanding of physics.
- develop an understanding of physics' role in scientific issues and relevant applications of physics, including the impact these could make in society and the environment.
- develop scientific inquiry and investigative skills.
- develop scientific analytical thinking skills, including scientific evaluation, in a physics context.
- develop the use of technology, equipment and materials, safely, in practical scientific activities, including using risk assessments.
- develop planning skills.
- develop problem solving skills in a physics context.
- use and understand scientific literacy to communicate ideas and issues and to make scientifically informed choices.
- develop the knowledge and skills for more advanced learning in physics.
- develop skills of independent working.

What learning and teaching approaches will I experience?

A range of learning and teaching approaches are used including individual work, group work and cooperative activities. There is an emphasis on **practical work**, experimental design and data analysis.

How will I be assessed?

The course is assessed through internal unit NABS, an external examination and an assignment. **The grade achieved is based on the final examination (100marks) and the assignment (30marks)**. No overall award will be given until all internal assessments have been passed.

What are the homework requirements?

Pupils are set a minimum of **one homework per week**. This could include written tasks, learning or consolidation of knowledge and understanding.

What are the possible progression routes?

Achieving a **B grade** or above at Higher would allow progression to the **Advanced Higher Physics** course. The AH course is designed for well motivated pupils that work well independently.

Certification anticipated in:

Higher Physics is allocated 24 SCQF points at SCQF level 6, Grade A - C