

## 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