

Supporting Your Learner

National 3 & 4 Physics

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Course Outline

In National 3 & 4 Physics pupils study three main areas;

- Electricity and Energy – Types of energy and practical electrical circuits
- Waves and Radiations – Electromagnetic waves, sound and nuclear radiation
- Dynamics and Space – Relationships involving forces in transport and the study of the universe

At National 3 and 4 levels there is no SQA examination. To gain a course qualification, pupils must pass unit assessments on each of the above units. These assessments comprise of end of unit tests, research tasks and experimental write-ups.



Added Value Unit

As part of the course outcomes, pupils sitting National 4 are required to complete an Added Value Unit. This unit consists of a research task and involves a decision making element. Pupils must choose a topic area and carry out research from a variety of sources. Pupils must also present their research and come to a decision or conclusion about the issue.

Useful Websites

National 3 and 4 Physics candidates have many websites that will help them with their studies. We will be making an increasing use of [Google Classroom](#) where staff will be posting classroom and revision material as well as homework and further links. This is an ideal medium for pupils to ask their teacher a question out with their normal Physics periods too. The National 3 and 4 Physics Courses have been designed to be topical and we will have the opportunity to research and discuss new developments. The [BBC](#) website is a great starting point for keeping up to date with what is happening in the world of Physics. There are also good websites that will help with revision such as; [Mr Homer's](#) and [BBC Bitesize](#).

Useful Textbooks

The following websites sell revision and course notes as well as past papers. We have a sample copy in the department of most Physics textbooks and can offer individual advice on what the best option for each pupil may be.

- [Hodder Education](#)
- [Bright Red Publishing](#)



Revision Classes

Currently, revision classes are offered by Mr Taylor on a Thursday for 4.00 to 5.00 pm. Pupils are also always welcome to seek out any member of the Physics department for advice at lunch or at the start or end of the day.

SQA Support

The link below will allow you to access the SQA's Parent page which will provide an overview of National Qualifications as well as helping with decisions about next steps

[SQA Support for Parent](#)

