

$$E = \frac{1}{2}mv^2$$

Physics

3
UNITS

**ELECTRICITY AND ENERGY
WAVES AND RADIATION
DYNAMICS AND SPACE**

+
COURSE
ASSESSMENT

QUESTION PAPER + ASSIGNMENT

80 marks 20 marks
2 hours

The Scottish Qualifications Authority National 5 Physics subject webpage can be found [here](#).
The Revision in a Nutshell series is designed to complement learning and revision that you have undertaken in class. Please check with your teachers that these resources are relevant to you. You can find the series at www.parentforumscotland.org. See also SQA information on the National 5 Physics Assignment [here](#).

Past Papers and the Specimen Question Paper

National 5 Physics		
2015 Question Paper	Marking Instructions	Data Sheet
2014 Question Paper	Marking Instructions	
Specimen Question Paper and Marking Instructions		Relationship Sheet

After completing the Specimen Question Paper or any past papers, look at the marking instructions as these often contain course content and they will help you to improve your exam technique. National 5 Past Papers differ from the past papers listed below. Ensure that you familiarise yourself with the 2014 and 2015 past papers and the Specimen papers: these are what your exams will look like.

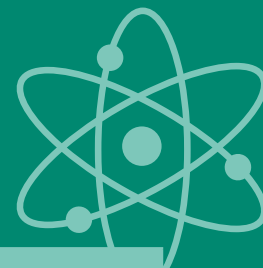
Pre-National 5 Past Papers

Useful SQA past paper questions are listed below. For direct links to past papers, click on the year in the table below (ie click on 2013) where you will find questions relevant to the different topics within National 5 Physics. Please note that you need to identify and revise all of your topics. Some topics may be new for National 5 and therefore do not have past questions. Marking instructions for past papers can be accessed in the column 'Answers'.

Paper Name and Year	Question Numbers	Answers
Standard Grade Credit		
2013	1c, 1d, 2b iv, 3b i, 3c, 3d, 4a, 4b, 4c, 4d, 5c, 6a, 6b, 6c i, ii, 8b i, ii, 8c ii, 10a, 10b, 10d, 13a, 13b i, ii, 13c, 13d i, ii, 14b, 14c	Marking Instructions
2012	1b i, ii, 2b, 3a i, ii, iii, 3b i, 4a, 5b i, ii, 6a, 6b i, ii, 6c, 6d, 7a, 7b iii, 9c, 9d i, ii, 10c i, ii, 11c, 13a, 13c, 14b, 14d	Marking Instructions
2011	1a i, ii, 1b, 3a, 3b i, ii, 6a i, iii, 6b, 6c i, ii, 7a, 7b, 7c, 10c ii, 11a, 12a, 14a i, ii, 14b, 15a, 15b, 15c	Marking Instructions

Intermediate 2 past papers overleaf

$$E = \frac{1}{2}mv^2$$



Paper Name and Year	Question Numbers	Answers
Intermediate 2		
2013	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 17, 18, 19, 20, 21a, 21c, 22b iv, 24a, 24b, 25a, 25b i, ii, 25c, 26b, 26c, 26d i, ii, 26e, 28a i, ii, 28b, 28c, 28d, 30c, 31a	Marking Instructions
2012	2, 5, 7, 11, 14, 15, 17, 18, 19, 20, 21a ii, 21b, 21c ii, iii, 22a ii, 22b, 22c, 22d, 23a i, ii, 24a, 24b, 25a, 25b, 26b, 26c, 26d, 27a, 27b, 29a, 29b, 29c, 30a iii	Marking Instructions
2011	1, 4, 5, 6, 7, 8, 10, 12, 15, 16, 17, 18, 19, 22a i, ii, 22b, 23b, 23c, 23d, 23e, 24a i, ii, iii, 24b i, ii, 24c, 25a, 25b, 25c, 26a, 27a, 27b, 27c, 28a i, ii, 28b, 28c, 29a i, ii, iii, 29b	Marking Instructions

Useful Websites

[BBC Bitesize](#)

[SQA](#)

[Education Scotland Resource Guide](#)

Schools

[Queensferry High School](#)
See National 5 Resources

[Carluke High School](#)
Summary notes

[Calderglen High School](#)
Notes

[Kirkwall Grammar School](#)

[John Ogilvie High School](#)
Electricity and energy questions (answers from p68)

Others

[Quizlet](#)
Waves and radiation

[Physics.org](#)



 the National Parent Forum of Scotland

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 [parentforumscot](https://twitter.com/parentforumscot)