

# Engineering Science

**3**  
UNITS

**ENGINEERING CONTEXTS AND CHALLENGES**  
**ELECTRONICS AND CONTROL**  
**MECHANISMS AND STRUCTURES**

**+ COURSE ASSESSMENT**

**QUESTION PAPER + ASSIGNMENT**  
90 marks                      60 marks  
1 hour 30 minutes

The Scottish Qualifications Authority National 5 Engineering Science 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.parentforumsotland.org](http://www.parentforumsotland.org). Further information on the National 5 Engineering Science Assignment is available [here](#).

## Past Papers and the Specimen Question Paper

National 5 Engineering Science	
<a href="#">2015 Past Paper</a>	<a href="#">Marking Instructions</a>
<a href="#">2014 Past Paper</a>	<a href="#">Marking Instructions</a>
<a href="#">Specimen Question Paper and Marking Instructions</a>	<a href="#">Data Booklet</a>

After completing the Specimen Question Papers or any past paper questions, ensure that you 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 (ie click on '2013') in the table below where you will find questions relevant to the different topics within National 5 Engineering Science. Please note that you need to identify your topics. Some topics are new for National 5 and therefore do not have past questions; be sure to revise all of your topics. Marking instructions for past papers can be accessed in the column 'Answers'.

Paper Name and Year	Question Numbers	Answers
Standard Grade Credit		
<a href="#">2013</a>	1a, 2a, 2b, 2d, 2e, 3c, 3d, 3e, 4a, 4b, 4c, 4d, 4f, 6a, 6b, 6c, 8a, 10a, 10b	<a href="#">Marking Instructions</a>
<a href="#">2012</a>	3a, 4b, 4c, 5a, 5b, 5d, 6a, 7a, 7c, 7e, 8a, 8c, 9c, 9d, 10a, 10b	<a href="#">Marking Instructions</a>
<a href="#">2011</a>	2a, 2b, 2d, 2e ii, 2f, 3a, 3b i, 3d, 5a, 5b, 5c, 5d ii, 6a, 6b, 6c, 8a, 8b	<a href="#">Marking Instructions</a>
Intermediate 2		
<a href="#">2013</a>	2a, 2b, 2c, 4a, 4b, 5b, 6a, 6b, 8a, 8b, 9a, 9d, 9f iii, 9g, 10c, 11a, 11b	<a href="#">Marking Instructions</a>
<a href="#">2012</a>	1a, 1b, 1c, 2a, 7a, 7b, 8a, 8b, 9a, 9b, 9c, 10b, 10f, 10g, 10h, 10i, 11d, 11e	<a href="#">Marking Instructions</a>
<a href="#">2011</a>	2a, 2b, 3a, 3b, 5b, 6a, 6b, 7b i, 8a, 9a, 9b, 9d, 9e i, 9f, 9g, 10a, 10b, 11a, 11b, 11d, 11e	<a href="#">Marking Instructions</a>

## Useful Websites

[BBC Bitesize](#)

### Schools

[Musselburgh Grammar School](#)  
Click on Resources pages

[St Paul's RC Academy](#)  
See PowerPoints in Resources table



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