

## Course information for Parents

### Year/Keystage: 5 (Year 12 and 13) Subject: LEVEL 3 EXTENDED CERTIFICATE IN APPLIED SCIENCE

**Subject Lead contact information** Phone: 01908555620 Email: [dofosu@thehazeleyacademy.com](mailto:dofosu@thehazeleyacademy.com)

**Examination Board** AQA **Specification Code** 360 GLH (1777)

#### Subject Content

The full specification is available at: <https://www.aqa.org.uk/subjects/science/applied-general/science> as at 11/07/2019

#### Qualification at a Glance:

	Unit title	Assessment type	Ofqual unit reference
<b>Mandatory</b>			
1	Key concepts in science	Written exam	J/507/6497
2	Applied experimental techniques	Portfolio	L/507/6498
3	Science in the modern world	Written exam with pre-release material	R/507/6499
4	The human body	Written exam	A/507/6500
5	Investigating science	Portfolio	F/507/6501
<b>Optional</b>			
6a	Microbiology	Portfolio	J/507/6502
6b	Medical physics	Portfolio	L/507/6503
6c	Organic chemistry	Portfolio	R/507/6504

#### Learning objectives:

1. To understand the key concepts in the application of Biology, Chemistry and Physics as detailed in the course specification (Unit 1)
2. To use, understand and analyse topic-based information with respect to related effects on individuals and the environment (Unit 3)
3. To understand the form and function of body systems (Unit 4)
4. To apply acquired knowledge in answering exam questions

#### Additional Equipment Needed (Folder, Calculator)

Create an Applied Science Folder with 6 main sections:

1. **Key concepts in science**
2. **Applied experimental Techniques**
3. **Science in the modern world**
4. **The human body**
5. **Investigating science**
6. **Optional Section (Microbiology, Medical physics, Organic chemistry)**

Within each section you need these sub-sections:

1. **PLC**
2. **Notes**
3. **Exam questions/Assignment Information**

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## Assessment Details:

To be successful students will need to be able to:

### Assessment Objectives

The examinations for Units 1, 3 and 4 will measure how learners have achieved the following objectives:

**AO1** – Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures.

**AO2** – Apply knowledge and understanding of scientific ideas, processes, techniques and procedures:

- in a theoretical context
- in a practical context
- when handling qualitative data
- when handling quantitative data.

**AO3** – Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to:

- make judgements and reach conclusions
- develop and refine practical design and procedures.

### Unit 1: Key concepts in science

Unit title	Key concepts in science
Exam sessions	January and June
Duration	1 hour and 30 minutes
Type of exam	Written exam A mixture of multiple-choice, short-answer questions.
Number of marks	60
Weighting of unit	33.3 % of the AQA Level 3 Certificate in Applied Science 16.6 % of the AQA Level 3 Extended Certificate in Applied Science

### Unit 3: Science in the modern world

Unit title	Science in the modern world
Exam sessions	January and June
Duration	1 hour and 30 minutes
Type of exam	Written exam with pre-released material A mixture of multiple-choice, short-answer and extended-answer questions.
Number of marks	60
Weighting of unit	33.3 % of the AQA Level 3 Certificate in Applied Science 16.6 % of the AQA Level 3 Extended Certificate in Applied Science

### Unit 4: The human body

Unit title	The human body
Exam sessions	January and June
Duration	1 hour and 30 minutes
Type of exam	Written exam A mixture of multiple-choice, short-answer questions.
Number of marks	60
Weighting of unit	16.6 % of the AQA Level 3 Extended Certificate in Applied Science

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What can I do to support my child at home?			
<ul style="list-style-type: none"> <li>Supervise the daily organisation to complete assignments to ensure that deadlines are met</li> <li>Support in the preparation toward written exams by creating exam conditions for questions to be practised at home</li> </ul>			
Recommended resources for the course:			
<p><b>Websites:</b> Useful links have been listed in the Course Specification</p> <p><b>Apps:</b> SENECA gives basic understanding of Key concepts in Science which will prove very useful</p>			
<b>BIOLOGY</b>			
<b>Book Title</b>		<b>ISBN</b>	
Oxford A 'Level Year 1 and AS		9780198351764	
Oxford A' Level Year 2		9780198357704	
Hodder Biology Year 1 and AS		9781471807619	
Hodder Biology Year 2		9781471807640	
Hodder PE Year 1		9781471859564	
<b>CHEMISTRY</b>			
<b>Book Title</b>		<b>ISBN</b>	
AQA A' Level Chemistry (OUP)		978-0-19-835182-5	
AQA A' Level Chemistry 1 (Hodder)		978-0-19-835181-8	
<b>PHYSICS</b>			
<b>Book Title</b>		<b>ISBN</b>	
AQA Physics A' Level Year 1 Breithaupt (Oxford)		978-0-19-835186-3	
AQA Physics A' Level Breithaupt (Oxford)		978-0-19-835187-0	
Teaching Staff Contact Details			
Name	Role	Email	Tel
Mrs M. Couzens	Head of Chemistry	<a href="mailto:mcouzens@thehazeleyacademy.com">mcouzens@thehazeleyacademy.com</a>	01908555620
Miss A. Thistlewood	Teacher of A' Level Chemistry	<a href="mailto:athistlewood@thehazeleyacademy.com">athistlewood@thehazeleyacademy.com</a>	01908555620
Mr M. Rowlingson	Teacher of A' Level Chemistry	<a href="mailto:mrowlingson@thehazeleyacademy.com">mrowlingson@thehazeleyacademy.com</a>	01908555620
Mr D. Ofosu	Teacher of A' Level Physics	<a href="mailto:dofosu@thehazeleyacademy.com">dofosu@thehazeleyacademy.com</a>	01908555620
<p><b>Additional Information:</b></p> <p><i>It is important to be very familiar with the course specification and also get organised to meet all deadlines</i></p>			