

## Course information for Parents

### Years: 9 - 11 Subject: GCSE Science

<b>Faculty Area</b>	Science	<b>Director of Faculty contact information</b>	D. Kennedy <a href="mailto:dkennedy@thehazeleyacademy.com">dkennedy@thehazeleyacademy.com</a>
<b>Examination Board</b>	Edexcel (9-1)	<b>Specification Code</b>	Level 1&2 Combined/Separate GCSE (9-1) Science (ISCO)

Subject Content : Full specification available at: <http://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html>

#### Qualification at a glance

##### Content and assessment overview

The Pearson Edexcel Level 1/Level 2 GCSE (9-1) in Combined Science consists of six externally examined papers. These are available at foundation tier and higher tier.

Students must complete all assessments in the same tier.

Students must complete all assessment in May/June in any single year.

<b>Paper 1: Biology 1 (Paper code: 1SC0/1BF, 1SC0/1BH)</b>
<i>Written examination: 1 hour and 10 minutes</i>
<i>16.67% of the qualification</i>
<i>60 marks</i>
<b>Content overview</b>
Topic 1 – Key concepts in biology, Topic 2 – Cells and control, Topic 3 – Genetics, Topic 4 – Natural selection and genetic modification, Topic 5 – Health, disease and the development of medicines
<b>Assessment overview</b>
A mixture of different question styles, including multiple-choice questions, short answer questions, calculations and extended open-response questions.

<b>Paper 3: Chemistry 1 (Paper code: 1SC0/1CF, 1SC0/1CH)</b>
<i>Written examination: 1 hour and 10 minutes</i>
<i>16.67% of the qualification</i>
<i>60 marks</i>
<b>Content overview</b>
Topic 1 – Key concepts in chemistry, Topic 2 – States of matter and mixtures, Topic 3 – Chemical changes, Topic 4 – Extracting metals and equilibria
<b>Assessment overview</b>
A mixture of different question styles, including multiple-choice questions, short answer questions, calculations and extended open-response questions.

<b>Paper 2: Biology 2 (Paper code: 1SC0/2BF, 1SC0/2BH)</b>
<i>Written examination: 1 hour and 10 minutes</i>
<i>16.67% of the qualification</i>
<i>60 marks</i>
<b>Content overview</b>
Topic 1 – Key concepts in biology, Topic 6 – Plant structures and their functions, Topic 7 – Animal coordination, control and homeostasis, Topic 8 – Exchange and transport in animals, Topic 9 – Ecosystems and material cycles
<b>Assessment overview</b>
A mixture of different question styles, including multiple-choice questions, short answer questions, calculations and extended open-response questions.

<b>Paper 4: Chemistry 2 (*Paper code: 1SC0/2CF, 1SC0/2CH)</b>
<i>Written examination: 1 hour and 10 minutes</i>
<i>16.67% of the qualification</i>
<i>60 marks</i>
<b>Content overview</b>
Topic 1 – Key concepts in chemistry, Topic 6 – Groups in the periodic table, Topic 7 – Rates of reaction and energy changes, Topic 8 – Fuels and Earth science
<b>Assessment overview</b>
A mixture of different question styles, including multiple-choice questions, short-answer questions, calculations and extended open-response questions.

<b>Paper 5: Physics 1 (Paper code: 1SC0/1PF, 1SC0/1PH)</b>
<i>Written examination: 1 hour and 10 minutes</i>
<i>16.67% of the qualification</i>
<i>60 marks</i>
<b>Content overview</b>
Topic 1 – Key concepts of physics, Topic 2 – Motion and forces, Topic 3 – Conservation of energy, Topic 4 – Waves, Topic 5 – Light and the electromagnetic spectrum, Topic 6 – Radioactivity
<b>Assessment overview</b>
A mixture of different question styles, including multiple-choice questions, short answer questions, calculations and extended open-response questions.

<b>Paper 6: Physics 2 (Paper code: 1SC0/2PF, 1SC0/2PH)</b>
<i>Written examination: 1 hour 10 minutes</i>
<i>16.67% of the qualification</i>
<i>60 marks</i>
<b>Content overview</b>
Topic 1 – Key concepts of physics, Topic 8 – Energy - Forces doing work, Topic 9 – Forces and their effects, Topic 10 – Electricity and circuits, Topic 12 – Magnetism and the motor effect, Topic 13 – Electromagnetic induction, Topic 14 – Particle model, Topic 15 – Forces and matter
<b>Assessment overview</b>
A mixture of different question styles, including multiple-choice questions, short answer questions, calculations and extended open-response questions.

\*See *Appendix 10: Codes* for a description of this code and all other codes relevant to this qualification.

#### Combined Science exams:

6 papers-Each 1hr 10min long.

#### Separate Science exams:

6 papers-Each 1hr 45min long.

### Additional Equipment Needed

- Calculator for every Science lesson
- Protractor for measuring angles
- Lab coat-optional to purchase from the school

### Assessment Details:

#### To be successful students will need to be able to:

- Develop revision techniques using their classroom notes and revision guides.
- Complete exam style questions in the classroom (personalised learning), a minimum of once a week.
  - Complete the online diagnostic homework
- Complete one end of topic assessment and one overview assessment each term.
- Apply learning to 10-question quizzes that are recorded to give real-time assessment data.
- Carry out a minimum of 12 required practicals across each academic year (see full specification for details)
  - Be able to recall details of these for their exams.

## What can I do to support my child at home?

### Support your child with the following:

- Learning key words and definitions provided in homework sheets.
- Ensure diagnostic homework on "Educake"/LogonScience online is completed.
- Ask your child to explain what they have learnt today.
- Choose an article from the BBC about Science and discuss it with your child
- Provide students with revision guides and/or workbooks **linked to the specification** e.g.:  
[https://www.amazon.co.uk/GCSE-Science-Skills-Booster-Scientifically/dp/000818982X/ref=sr\\_1\\_8?ie=UTF8&qid=1466761830&sr=8-8&keywords=gcse+science+revision+guides+edexcel+2016](https://www.amazon.co.uk/GCSE-Science-Skills-Booster-Scientifically/dp/000818982X/ref=sr_1_8?ie=UTF8&qid=1466761830&sr=8-8&keywords=gcse+science+revision+guides+edexcel+2016)
- Use revision websites to make revision notes e.g.,  
<http://www.bbc.co.uk/education/subjects/zrkw2hv>

## Recommended resources for the course:

Recommended textbooks can be found on the web link below and are specific to the new combined and triple science courses:

Separate Science: \_\_\_

£10-£20



Edexcel GCSE (9-1) Biology Student Book  
Publisher: Pearson  
Author: Mark Levesley, Susan Kearsey  
ISBN: 9781292120201  
Series Editor: Mark Levesley...

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£19.99

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Edexcel GCSE (9-1) Chemistry Student Book  
Publisher: Pearson  
Author: Mark Levesley, Nigel Saunders, Iain Brand, Sue Robilliard, John Ling  
ISBN: 9781292120218  
Series Editor: Mark Levesley...

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Edexcel GCSE (9-1) Physics Student Book  
Publisher: Pearson  
Author: Mark Levesley, Penny Johnson  
ISBN: 9781292120225  
Series Editor: Mark Levesley...

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## Home Study & Independent Learning Parental Support Information

£20-£50



Edexcel GCSE (9-1) Combined Science Student Book  
Publisher: Pearson  
Author: Mark Levesley, Penny Johnson, Jain Brand, Susan Kearsley, Nigel Saunders, Sue Robilliard, John Ling, Carol Tear  
ISBN: 9781292120195  
Series Editor: Mark Levesley...  
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### Combined Science

Website: <http://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.resources.html#filterQuery=category:Pearson-UK:Publisher%2FPearson>

### Teaching Staff Contact Details

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