

# Science



1) Key information: Triple and Combined Science

2) What can you do to support your child in their studies?

3) How do you revise science?

4) What to expect in year 10 and 11?

# Combined Science



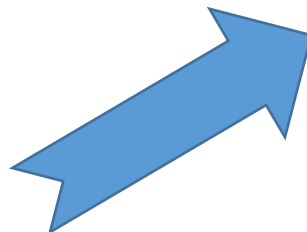
**2 science GCSEs**

Papers in biology, chemistry and physics with a combined grade

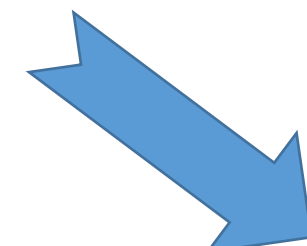
*2 grades awarded, this is an average across all three sciences (six papers)*

# Science

*AQA Trilogy*

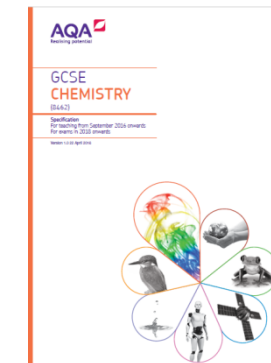
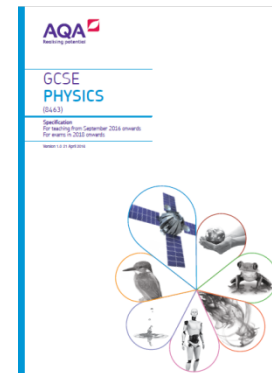
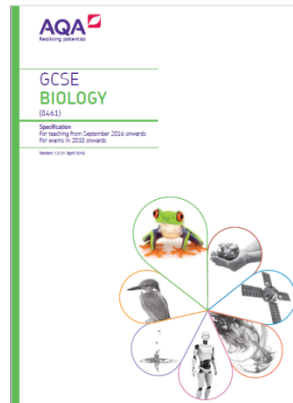


*AQA Separate Sciences*



*3 grades awarded, specific to each science (two papers per science)*

# Triple Science



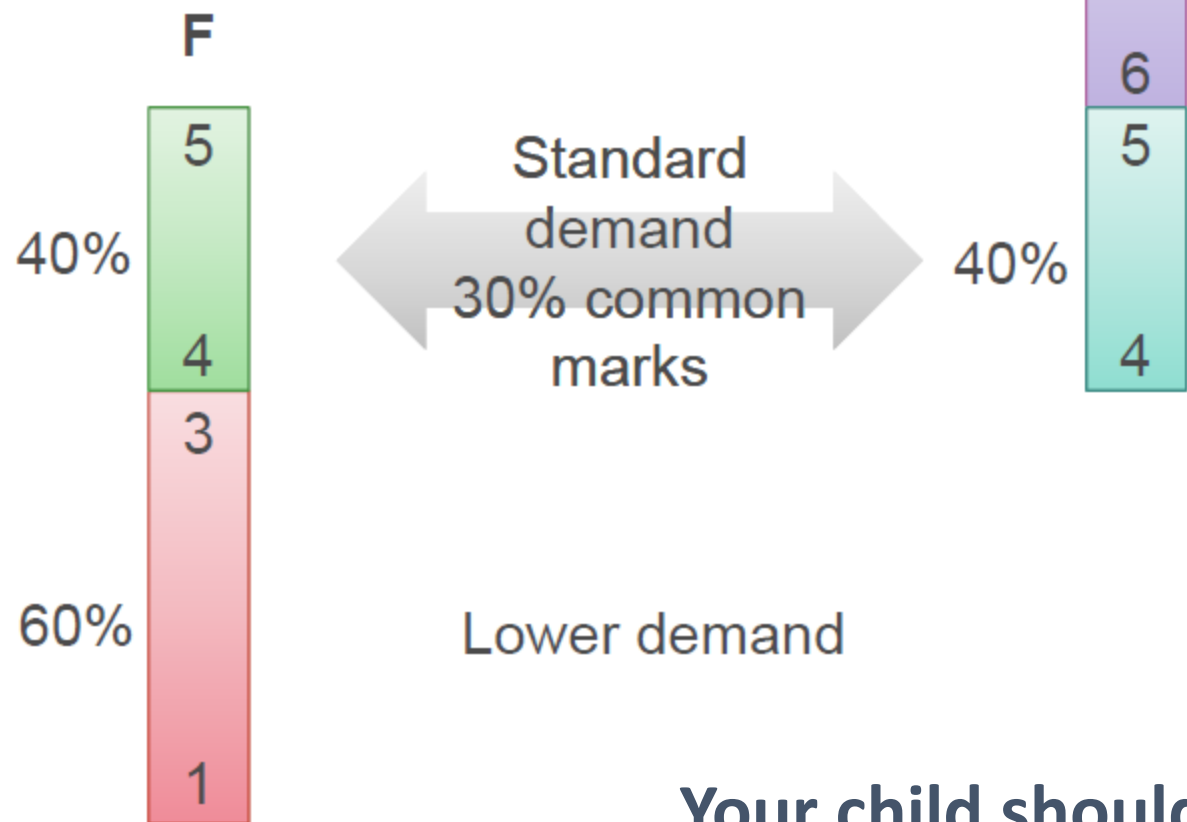
**3 science GCSEs**

biology

chemistry

physics

Combined sit either H/F in all science  
Triple can sit a mixture of H/F



15% questions on practical skills

20% questions need maths skills

**Your child should know what they are sitting**  
**Consider implications for 6<sup>th</sup> form**

## **What challenges do these qualifications pose?**

- 1) More demanding (linear/maths/more difficult concepts)
- 2) Structuring revision – the need to revisit and consolidate work they have covered in year 9.
- 3) Applying their knowledge to different scientific concepts that they have not come across before.

## 2) How can you support your child with their revision?

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**AQA GCSE Sciences (9-1)**  
First examination 2018


HOME LESSONS RESOURCES ASSESSMENT MARKBOOK DIGITAL BOOK USER MANAGEMENT

HOME

**Welcome to AQA GCSE Sciences (9-1)**

Your AQA GCSE Sciences (9-1) Kerboodle contains new resources written to support the new AQA GCSE Biology, Chemistry, Physics, Combined Science: Trilogy and Combined Science: Synergy specifications for first examination in 2018.

Material covering units B1-B12, C1-C9, P1-P2 and P8-P11 is already available, and we will continue to update this course with the remaining content throughout the year. Find out more about future updates by downloading the AQA GCSE Sciences 9-1 [content map](#).



**MY UPDATES**

- 0 Due today
- 0 Due this week
- 0 For manual marking
- 0 Expired (incomplete submission)

Science Tweets by @OxfordEdScience

**OXFORD UNIVERSITY PRESS**

**New resources available**

We have released the following content to this course:

### 3) How do you revise science?

- **Condensing** information into mindmaps / flashcards / bullet points / teach your parents or siblings
- Ensuring notes are organised so these can be used again for end of year exams and for year 11
- Utilising the revision resources on SMHW for exams – take every end of topic test seriously
- Past papers  
applying knowledge is crucial



#### 4) What to expect in year 10 and 11?

##### Combined Science:

Biology Chapters B5-B9

Chemistry Chapters C4-C7

Physics P4-P8

Exams will test knowledge from both year 9 and year 10

##### Triple Science:

Biology Chapters B5-B11

Chemistry Chapters C4-C9

Physics P4-P7

Exams will test knowledge from both year 9 and year 10

**[misscbowles@thearcheracademy.org.uk](mailto:misscbowles@thearcheracademy.org.uk)**

**Summer Challenge Homework: Select a minimum of 2/3 tasks below, full details on SMHW:**

<b>Biology</b>	Produce a comic strip, notes or a poster on <b>how vaccines work</b> . Use information in the Biology textbook pages 98-99. These websites may help: <a href="https://www.bbc.co.uk/bitesize/guides/z8fkmsg/revision/1#:~:text=Vaccines%20allow%20a%20dead%20or,and%20attach%20to%20the%20antigen.">https://www.bbc.co.uk/bitesize/guides/z8fkmsg/revision/1#:~:text=Vaccines%20allow%20a%20dead%20or,and%20attach%20to%20the%20antigen.</a> <a href="https://www.youtube.com/watch?v=uPeZBhJYlnU">https://www.youtube.com/watch?v=uPeZBhJYlnU</a> <a href="https://www.youtube.com/watch?v=23fQscOSqVU">https://www.youtube.com/watch?v=23fQscOSqVU</a>
<b>Chemistry</b>	Produce a poster about the <b>structure of atoms</b> , you should include: <ul style="list-style-type: none"><li>• What is an ion? (GCSE Textbook Kerboodle: page 16)</li><li>• What is an isotope? (page 17)</li><li>• What are the rules of electronic configuration? (page 18-19)</li></ul> Watch the video and explain what an ionic bond is: (page 38-39) <a href="https://www.youtube.com/watch?v=zpaHPXVR8WU">https://www.youtube.com/watch?v=zpaHPXVR8WU</a> Watch the video and explain what a covalent bond is: (page 42-43) <a href="https://www.youtube.com/watch?v=h24UmH38_LI">https://www.youtube.com/watch?v=h24UmH38_LI</a> Watch the video and explain what a metallic bond is: (page 50-51) <a href="https://www.youtube.com/watch?v=S08qdOTd0w0">https://www.youtube.com/watch?v=S08qdOTd0w0</a>
<b>Physics</b>	Produce a presentation, leaflet or written notes to <b>explain what radioactivity is</b> find out:  Difference between alpha, beta and gamma radiation Why radiation is dangerous Research Chernobyl or Fukushima nuclear disasters find out what happened and how it affected the local areas