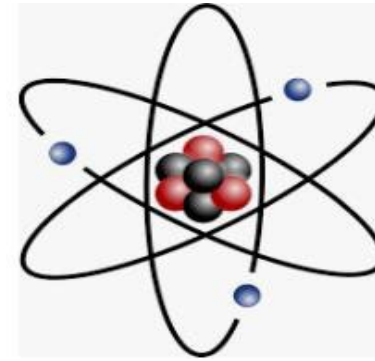


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THE APOSTLE**



The Science Department

How can you support your
child in GCSE Science?

Separate Science (AQA)

3 Separate GCSE qualifications

- Biology
- Chemistry
- Physics

Where we think students will benefit more from doing Combined Science we will contact parents to discuss this further

6 exam total
1hr 45
100 marks
Grades 9-3

Combined Science (AQA)

2 GCSE qualifications

- Average Paper 1
Grade
- Average Paper 2
Grade

6 exams total

1hr 15

70 marks

Grades:

Higher 9-9 to 4-3

Foundation 55 to 1-1

Where we think students will benefit more from doing a different tier we will contact parents to discuss this further

Both courses will allow
students to study
A Level Sciences

End of Year Mocks

Paper 1

**One paper for
each science**

3 exams total

1hr 15

70 marks

Biology Topics

Paper 1:

1. Cells
2. Organisation
3. Infection & Response
4. Bioenergetics

Paper 2:

5. Homeostasis & Response
6. Inheritance, Variation and Evolution
7. Ecology

Chemistry Topics

Paper 1:

1. Atomic structure
2. Bonding and structure
3. Quantitative chemistry
4. Chemical changes
5. Energy changes

Paper 2:

6. Rate & extent of reactions
7. Organic chemistry
8. Chemical analysis
9. Chemistry of the earth & atmosphere
10. Using Resources

Physics Topics

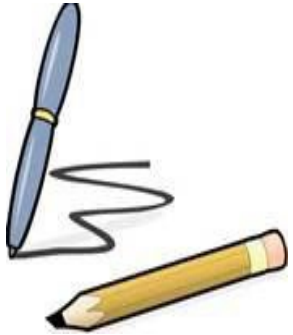
Paper 1:

- 1. Energy**
- 2. Electricity**
- 3. Particle model**
- 4. Atomic structure**

Paper 2:

- 5. Forces**
- 6. Waves**
- 7. Magnetism & electromagnetism**
- 8. Space Physics (GCSE Physics only)**

Equipment



Black pens, pencils (at least two of each)



A ruler (30cm) and protractor

Calculator – scientific, like the one used for Maths



Useful Resources

4.1.1.5 Microscopy

Content

Students should be able to:

- understand how microscopy techniques have developed over time
- explain how electron microscopy has increased understanding of sub-cellular structures.

Limited to the differences in magnification and resolution.

An electron microscope has much higher magnification and resolving power than a light microscope. This means that it can be used to study cells in much finer detail. This has enabled biologists to see and understand many more sub-cellular structures.

<https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF>

- BBC GCSE Bitesize:

- <https://www.bbc.co.uk/bitesize/subjects/zrkw2hv>
- Seneca Learning: <https://senecalearning.com/en-GB/>
 - Save my exams: www.savemyexams.co.uk

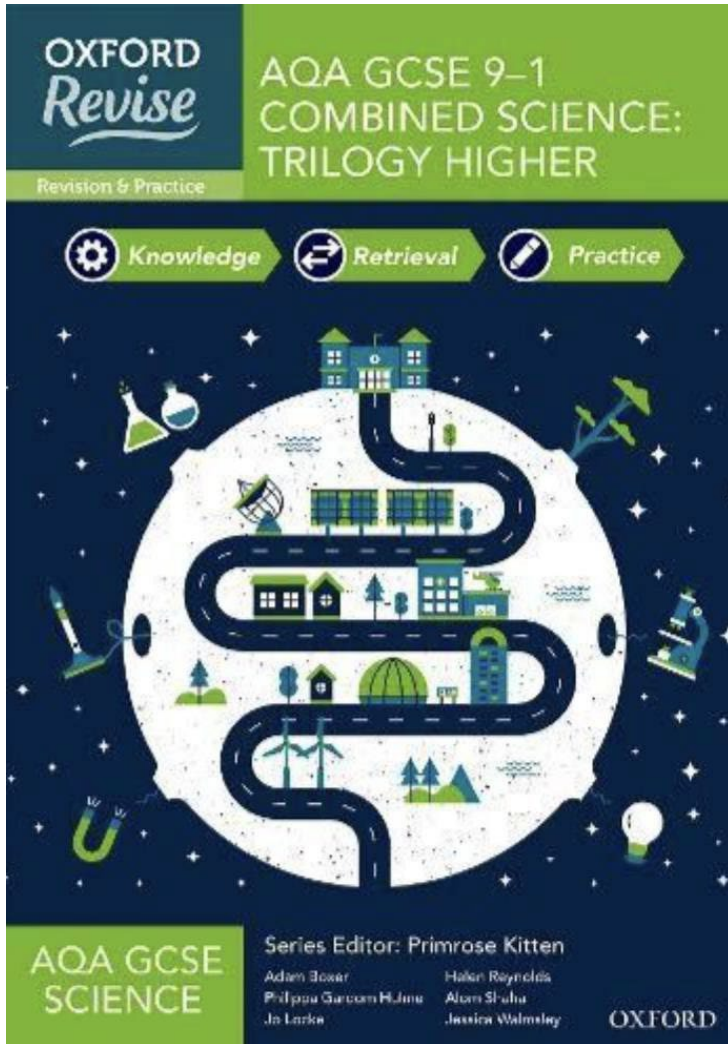
- Past Papers

- www.aqa.org.uk/find-past-papers-and-mark-schemes
- <https://www.physicsandmathstutor.com/past-papers/>
- CGP revision guides and workbooks can be purchased from
 - www.cgpbooks.co.uk/secondary-books/gcse/science

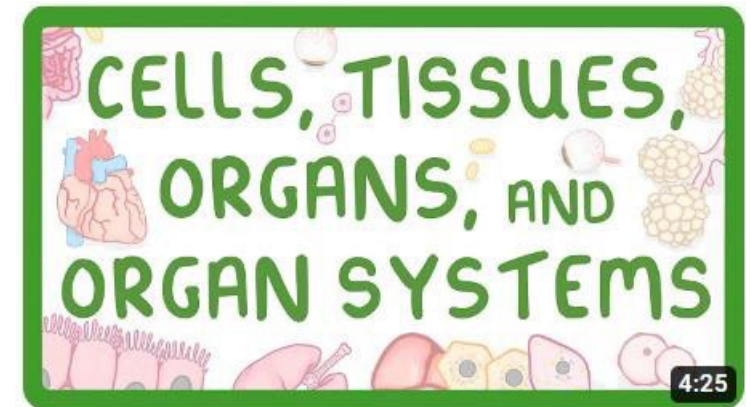
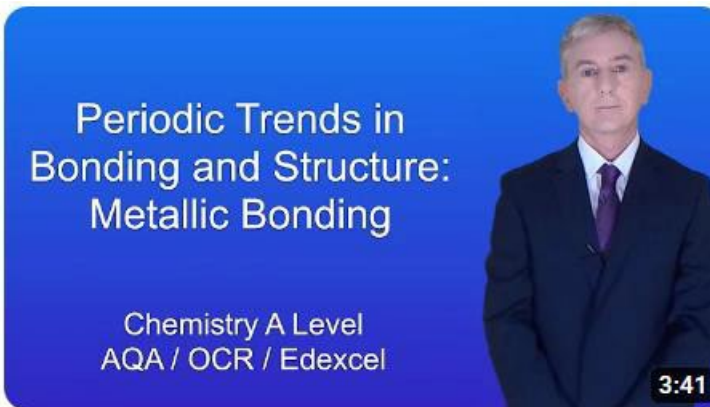
Students also have access to an online textbook on Kerboodle

www.kerboodle.com

Revision Resources



Parents will be informed by letter when these resources will be available to purchase at a discounted price



YouTube: Free Science Lessons

Cognito