

# Science

## Which exams am I sitting in May/June?

Combined Science students will have six Science GCSE exams in May/June – Biology (Paper 1 and 2), Chemistry (Paper 3 and 4) and Physics (Paper 5 and 6).

Triple Science students will also have six exams in May/June – Biology (Paper 1 and 2), Chemistry (Paper 1 and 2) and Physics (Paper 1 and 2).

## What do I need to revise?

The tables below show you all the exams that you will be sitting and which topics each one covers. Look at the contents page in the front of your revision guide to find out where each topic is covered in your revision guide.

**Combined Science.** Each exam is 1 hour and 10 minutes long and counts for 16.67% of the overall mark.

Exam	Topics it covers
Paper 1 (Biology)	<ul style="list-style-type: none"><li>• Key concepts in biology</li><li>• Cells and control</li><li>• Genetics</li><li>• Natural selection and genetic modification</li><li>• Health, disease and the development of medicines</li></ul>
Paper 2 (Biology)	<ul style="list-style-type: none"><li>• Key concepts in biology</li><li>• Plant structures and their functions</li><li>• Animal coordination, control and homeostasis</li><li>• Exchange and transport in animals</li><li>• Ecosystems and material cycles</li></ul>
Paper 3 (Chemistry)	<ul style="list-style-type: none"><li>• Key concepts in chemistry</li><li>• States of matter and mixtures</li><li>• Chemical changes</li><li>• Extracting metals and equilibria</li></ul>
Paper 4 (Chemistry)	<ul style="list-style-type: none"><li>• Key concepts in chemistry</li><li>• Groups in the periodic table</li><li>• Rates of reaction and energy changes</li><li>• Fuels and Earth science</li></ul>
Paper 5 (Physics)	<ul style="list-style-type: none"><li>• Key concepts of physics</li><li>• Motion and forces</li><li>• Conservation of energy</li><li>• Waves</li><li>• Light and the electromagnetic spectrum</li><li>• Radioactivity</li></ul>
Paper 6 (Physics)	<ul style="list-style-type: none"><li>• Key concepts of physics</li><li>• Energy - Forces doing work</li><li>• Forces and their effects</li><li>• Electricity and circuits</li><li>• Magnetism and the motor effect</li><li>• Electromagnetic induction</li><li>• Particle model</li><li>• Forces and matter</li></ul>

**Triple Science.** Each exam is 1 hour and 45 minutes long and counts for 50% of the overall mark. There are two papers for each Science.

Subject	Exam	Topics it covers
Biology	Paper 1	<ul style="list-style-type: none"> <li>• Key concepts in biology</li> <li>• Cells and control</li> <li>• Genetics</li> <li>• Natural selection and genetic modification</li> <li>• Health, disease and the development of medicines</li> </ul>
	Paper 2	<ul style="list-style-type: none"> <li>• Key concepts in biology</li> <li>• Plant structures and their functions</li> <li>• Animal coordination, control and homeostasis</li> <li>• Exchange and transport in animals</li> <li>• Ecosystems and material cycles</li> </ul>
Chemistry	Paper 1	<ul style="list-style-type: none"> <li>• Key concepts in chemistry</li> <li>• States of matter and mixtures</li> <li>• Chemical changes</li> <li>• Extracting metals and equilibria</li> <li>• Separate chemistry 1</li> </ul>
	Paper 2	<ul style="list-style-type: none"> <li>• Key concepts in chemistry</li> <li>• Groups in the periodic table</li> <li>• Rates of reaction and energy changes</li> <li>• Fuels and Earth science</li> <li>• Separate chemistry 2</li> </ul>
Physics	Paper 1	<ul style="list-style-type: none"> <li>• Key concepts of physics</li> <li>• Motion and forces</li> <li>• Conservation of energy</li> <li>• Waves</li> <li>• Light and the electromagnetic spectrum</li> <li>• Radioactivity</li> <li>• Astronomy</li> </ul>
	Paper 2	<ul style="list-style-type: none"> <li>• Key concepts of physics</li> <li>• Energy - Forces doing work</li> <li>• Forces and their effects</li> <li>• Electricity and circuits</li> <li>• Static electricity</li> <li>• Magnetism and the motor effect</li> <li>• Electromagnetic induction</li> <li>• Particle model</li> <li>• Forces and matter</li> </ul>

### Tips for revision:

- The [Year 11 Science Revision Team](#) has a wealth of resources including:
  - a simplified checklist of content
  - the exam specification
  - past papers
  - recommended revision books to purchase
  - a revision technique guide
  - extra practice question resources.

### Example revision techniques:

- Use checklists to help target your revision.
- Make a revision card summary of one page in your revision guide.
- Make a mind map based around a topic e.g. Cells or Chemical bonds
- For diagrams, spend time learning the labels. Then cover the labels with Post-its to self-test
- Make up 5 questions based on the information on one page of your revision guide. See if you can answer your questions the next day.

**Remember to follow a structure:**

