

Triple Science Revision – additional information

Mocks take place at the beginning of January.

Biology: B1-3 Wed 16th Jan (am); Chemistry: C1-3 Fri 18th Jan (am); Physics: P1-4 Tues 22nd Jan (am)

Dates of summer exams 2019:

Biology:	B1,2,3 – Tues 14 th May;	B4,5,6 – Fri 7 th June
Chemistry:	C1,2,3 – Thurs 16 th May;	C4,5,6 – Wed 12 th June
Physics:	P1,2,3,4 – Wed 22 nd May;	P5,6,7,8 – Fri 14 th June

OCR Gateway Specification referenced (e.g. B1.1) can be found here:

Biology: <https://www.ocr.org.uk/Images/234594-specification-accredited-gcse-gateway-science-suite-biology-a-j247.pdf>

Chemistry: <https://www.ocr.org.uk/Images/234598-specification-accredited-gcse-gateway-science-suite-chemistry-a-j248.pdf>

Physics: <https://www.ocr.org.uk/Images/234600-specification-accredited-gcse-gateway-science-suite-physics-a-j249.pdf>

An overview of the units covered in Triple Science is listed below for each Science:

Summary of content for GCSE (9–1) in Biology A (Gateway Science)

Topic B1: Cell level systems	Topic B2: Scaling up	Topic B3: Organism level systems
B1.1 Cell structures B1.2 What happens in cells (and what do cells need)? B1.3 Respiration B1.4 Photosynthesis	B2.1 Supplying the cell B2.2 The challenges of size	B3.1 Coordination and control – the nervous system B3.2 Coordination and control – the endocrine system B3.3 Maintaining internal environments
Topic B4: Community level systems	Topic B5: Genes, inheritance and selection	Topic B6: Global challenges
B4.1 Ecosystems	B5.1 Inheritance B5.2 Natural selection and evolution	B6.1 Monitoring and maintaining the environment B6.2 Feeding the human race B6.3 Monitoring and maintaining health

Topic 7 is a practical-based topic which provided learners with the necessary skills to undertake the 15% practical content in the examinations.

For Biology - All of the unit titles and topics are the same as combined. In some sections, however, there may be a higher level of detail or more learnt examples such as in B3, Triple students learn about the eye and the kidney – combined do not. This detail is outlined in the specification

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Summary of content for GCSE (9–1) in Chemistry A (Gateway Science)

Topic C1: Particles	Topic C2: Elements, compounds and mixtures	Topic C3: Chemical reactions
C1.1 The particle model C1.2 Atomic structure	C2.1 Purity and separating mixtures C2.2 Bonding C2.3 Properties of materials	C3.1 Introducing chemical reactions C3.2 Energetics C3.3 Types of chemical reactions C3.4 Electrolysis
Topic C4: Predicting and identifying reactions and products	Topic C5: Monitoring and controlling chemical reactions	Topic C6: Global challenges
C4.1 Predicting chemical reactions C4.2 Identifying the products of chemical reactions	C5.1 Monitoring chemical reactions C5.2 Controlling reactions C5.3 Equilibria	C6.1 Improving processes and products C6.2 Organic chemistry C6.3 Interpreting and interacting with earth systems

Topic 7 is a practical-based topic which provides learners with the necessary skills to undertake the 15% practical content in the examinations.

For Chemistry – The additional subunits are outlined in bold on the above list. There is also additional content within the units which is outlined in the specification – as with Biology. The numbering used for the subunits in Triple Chemistry does not always align with the Combined Science numbers. For example – in Combined Science, “Controlling reactions” is P5.1, in Triple it is C5.2

Summary of content for GCSE (9–1) in Physics A (Gateway Science)

Topic P1: Matter	Topic P2: Forces	Topic P3: Electricity
P1.1 The particle model P1.2 Changes of state P1.3 Pressure	P2.1 Motion P2.2 Newton’s laws P2.3 Forces in action	P3.1 Static and charge P3.2 Simple circuits
Topic P4: Magnetism and magnetic fields	Topic P5: Waves in matter	Topic P6: Radioactivity
P4.1 Magnets and magnetic fields P4.2 Uses of magnetism	P5.1 Wave behaviour P5.2 The electromagnetic spectrum P5.3 Wave interaction	P6.1 Radioactive emissions P6.2 Uses and hazards
Topic P7: Energy	Topic P8: Global challenges	
P7.1 Work done P7.2 Power and efficiency	P8.1 Physics on the move P8.2 Powering Earth P8.3 Beyond Earth	

Topic P9 is a practical-based topic which provides learners with the necessary skills to undertake the 15% practical content in the examinations.

For Physics – The additional subunits are outlined in bold on the above list. There is also additional content within the units which is outlined in the specification – as with Biology and Chemistry.

Be aware – In Physics, the numbering of these units is very different for Combined Science and Triple Science even when the same content is being covered.

If using the combined revision timetable, the titles of units are the same but the numbers are different. For example, in Combined Science “Wave behaviour” is P4.1 but in Triple it is in P5.1. However, the Combined Science revision timetable can still be used as an initial guide and these changes can be made easily.

Don’t forget that P4 is on the January mock

Key point – Make sure you are always referencing the correct specification. For Triple, it is the separate Biology, Chemistry and Physics documents listed at the start of this information.