



General Information

- Students will sit 2 exams in each science (Biology, Chemistry & Physics).
- Each exam will be 1hr 15 minutes long and worth 70 marks.
- Each exam is worth 16.6% of the overall Combined Science GCSE.
- 2 numerical grades are given, using an aggregate of the student's results from all 6 papers. These grades will always be next to each other (e.g. 5,6)
- Question types include: Multiple choice, structured, closed short answer and open response.
- Each exam is available in both foundation and higher tier. Foundation level offers simpler exam questions that can lead to a maximum grade of a 6. Higher level with more demanding exams that allow access to the highest levels.

Exams

	<u>Paper 1</u>	<u>Paper 2</u>	
<u>Biology</u>	Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.	Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.	2 GCSE's (e.g. 5,6)
<u>Chemistry</u>	Topics 8–12: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.	Topics 13–17: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.	
<u>Physics</u>	Topics 18-21: Energy; Electricity; Particle model of matter; and Atomic structure.	Topics 22-24: Forces; Waves; Magnetism and electromagnetism; and Space physics.	

Required Practical

Please note there is no coursework. 100% of marks are gained from the exam.

Students are required to complete required practicals (RPs) throughout the year, and can be tested on any of these in their exam. Additionally the exam board may ask to see evidence of students completing these. It is therefore imperative that students complete these and make every effort to catch up should they be absent for any reason.

<u>Biology Practicals</u>	<u>Chemistry Practicals</u>	<u>Physics Practicals</u>
RP 1 - Microscopy RP 3 - Osmosis RP 4 - Enzymes RP 5 - Food tests RP 6 - Photosynthesis RP 7 - Reaction time RP 9 - Field investigations	RP 1 - Making salts RP 3- Electrolysis RP 4- Temperature changes RP 5 - Rates of reaction RP 6 - Chromatography RP 8 - Water purification	RP 1 - Specific heat capacity RP 3 - Resistance RP 4 - I-V characteristics RP 5 - Density RP 7 - Force and extension RP 8 - Acceleration RP 9 - Waves RP 10 - Radiation and absorption