

Separate Sciences-Biology, Chemistry & Physics GCSE

All pupils who are inspired to and have met the entry requirements for Separate Sciences can choose the Separate Science option in Year 9. This course will result in three separate GCSEs-one for each scientific discipline. These are [Biology](#), [Chemistry](#) and [Physics](#) completed over two years and the examinations are taken at the end of Year 11. Please click on the above links or 'In this section'

Biology

Pearson Edexcel Level 1/Level 2 GCSE (9 - 1) in Biology (1BI0)

Biology consists of two externally examined papers which are worth 50% each. It is also available at foundation and higher tier. All examinations are 1 hour and 45 minutes in length and students must complete all assessments within the same tier (either foundation or higher).

Please click on the link for the full course specification: [Biology GCSE](#)

Overview of Topics Covered in each Paper

Paper	Topics
Paper 1	<ul style="list-style-type: none">• Topic 1 – Key concepts in biology• Topic 2 – Cells and control• Topic 3 – Genetics• Topic 4 – Natural selection and genetic modification• Topic 5 – Health, disease and the development of medicines
Paper 2	<ul style="list-style-type: none">• Topic 1 – Key concepts in biology• Topic 6 – Plant structures and their functions• Topic 7 – Animal coordination, control and homeostasis• Topic 8 – Exchange and transport in animals• Topic 9 – Ecosystems and material cycles

Pearson Edexcel Level 1/Level 2 GCSE (9 - 1) in Chemistry (1CH0)

Chemistry consists of two externally examined papers which are worth 50% each. It is also available at foundation and higher tier. All examinations are 1 hour and 45 minutes in length and students must complete all assessments within the same tier (either foundation or higher).

Please click on the link for the full specification: [Chemistry GCSE](#)

Overview of Topics Covered in Each Paper

Paper	Topics
Paper 1	<ul style="list-style-type: none">• Topic 1 – Key concepts in chemistry• Topic 2 – States of matter and mixtures• Topic 3 – Chemical changes• Topic 4 – Extracting metals and equilibria• Topic 5 – Separate chemistry 1
Paper 2	<ul style="list-style-type: none">• Topic 1 – Key concepts in chemistry• Topic 6 – Groups in the periodic table• Topic 7 – Rates of reaction and energy changes• Topic 8 – Fuels and Earth science• Topic 9 – Separate chemistry 2

Pearson Edexcel Level 1/Level 2 GCSE (9 - 1) in Physics (1PH0)

Physics consists of two externally examined papers which are worth 50% each.

It is also available at foundation and higher tier. All examinations are 1 hour and 45 minutes in length and students must complete all assessments within the same tier (either foundation or higher).

Please click on the link for the full specification: [Physics GCSE](#)

Overview of Topics Covered in each Paper

Paper	Topics
Paper 1 Paper code: 1PH0/1F and 1PH0/1H	<ul style="list-style-type: none">• Topic 1 – Key concepts of physics• Topic 2 – Motion and forces• Topic 3 – Conservation of energy• Topic 4 – Waves• Topic 5 – Light and the electromagnetic spectrum• Topic 6 – Radioactivity• Topic 7 – Astronomy
Paper 2 Paper code: 1PH0/2F and 1PH0/2H)	<ul style="list-style-type: none">• Topic 1 – Key concepts of physics• Topic 8 – Energy - Forces doing work• Topic 9 – Forces and their effects• Topic 10 – Electricity and circuits• Topic 11 – Static electricity• Topic 12 – Magnetism and the motor effect• Topic 13 – Electromagnetic induction• Topic 14 – Particle model• Topic 15 – Forces and matter