

Science

Key Stage 4 Overview



What will your child study at Key Stage 4?

Numbers in brackets are the number of lessons in AQA Scheme of Work; which may be adjusted to suit time available/student ability.

Combined science topics will be shorter as some content is separate sciences or higher only.

Curriculum Overview for Year 9

Class	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
9a1 9a2 9b1 9b2	Cell biology (12.5)	Atomic structure and the periodic table (11)	Energy (11)	Bioenergetics (11)	Structure, bonding and the properties of matter (13)	Electricity (20)
9a3 9a4 9b3 9c1	Atomic structure and the periodic table (11)	Cell biology (12.5)	Bioenergetics (11)	Energy (11)	Electricity (20)	Structure, bonding and the properties of matter (13)

Curriculum Overview for Year 10

Class	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Biology 10S1	Cell biology (12.5)	Organisation (15)	Infection and response (17.5)	Bioenergetics (11)	Revision End of year exams	Homeostasis and response (19)
Chemistry 10S1	Atomic structure and the periodic table (11) Structure, bonding and the properties of matter (13)	Quantitative chemistry (12)	Chemical changes (19) Energy changes (7)	PAPER 2 CONTENT The rate and extent of chemical change (10)	Revision End of year exams	Organic chemistry (16.5)
Physics 10S1	Energy (11)	Electricity (20)	Particle model of matter (13)	Atomic structure (10)	Revision End of year exams	Forces (33.5)
Combined Science 10S & 10B	Atomic structure and the periodic table (10) Structure, bonding and the properties of matter (12)	Quantitative chemistry (8.5) Chemical changes (17)	Energy changes (5)	Energy (11) Electricity (15.5)	Revision End of year exams	Catch up / start Year 11 content
	Cell biology (11.5) Organisation (15)	Infection and response (10)	Bioenergetics (11)	Particle model of matter (9) Atomic structure (6)	Revision End of year exams	Catch up / start Year 11 content

Curriculum Overview for Year 11

Class	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Biology 11S1	Inheritance, variation and evolution (22)	Revision and mock exam	Ecology (24.5)	Catching up time and revision	Revision and exams	
Chemistry 11S1	Chemical analysis (14)	Revision and mock exam	Chemistry of the atmosphere (10)	Using resources (16)	Revision and exams	
Physics 11S1	Waves (17)	Revision and mock exam	Magnetism and electro - magnetism (12)	Space Physics (5)	Revision and exams	
Combined Science 11S & 11B	The rate and extent of chemical change (10) Organic chemistry (5)	Revision and Mock exam Chemical analysis (5.5) Chemistry of the atmosphere (10)	Using resources (7)	Forces (26.5)	Revision and exams	
	Homeostasis and response (8.5) Inheritance, variation and evolution (14)	Revision and mock exam Catching Up	Ecology (14)	Waves (8) Magnetism and electro-magnetism (5)	Revision and exams	