

Yearly Overview (Science)

Subject: Science	Autumn 1	Why are you delivering this topic at this time of year?	Autumn 2	Why are you delivering this topic at this time of year?	Spring 1	Why are you delivering this topic at this time of year?	Spring 2	Why are you delivering this topic at this time of year?	Summer 1	Why are you delivering this topic at this time of year?	Summer 2	Why are you delivering this topic at this time of year?
Yr 7	Cells	This is a fundamental concept in biology and needs to be covered before knowledge is built up in subsequent units.	Energy & forces	These are fundamental concepts in physics and needs to be covered before knowledge is built up in subsequent units.	Particle Model	This is a fundamental concept in chemistry/physics and needs to be covered before knowledge is built up in subsequent units.	Reproduction	This topic is important to cover early in adolescence as it is important that they understand changes in their bodies.	Mixtures	This builds on topics covered in spring 1 so provides an opportunity to revisit concepts and build on knowledge that can be applied to everyday life	Space & Rocks	This will coincide with the summer solstice so the space topic can be linked to world events. Rocks is a natural progression from discussing space and Earth.
Yr 8	The Human Body	This is natural progression from yr7 term 1 and builds on concepts studied before covering more detailed concepts.	Waves	This builds on topics covered in yr7 autumn 2 and builds in complexity to show progression in learning and to revisit concepts.	Periodic Table	This is another fundamental chemical concept that needs to be studied before looking at more detailed chemical reactions. It is more complex than the content covered in year 7.	Chemical Reactions	This follows on from spring 1 and allows for natural progression in learning. It involves more complex practical skills than are used in year 7 science.	Electricity & Magnetism	This involves concepts covered in year 7 but is more complex than the units covered. This shows development in skills.	Environment	Studying the natural world lends itself to the summer months when there are more plant species to study and more opportunities to work outside.
Yr 9	What is the body made of?	This is the start of the AQA Entry level course and is part of the foundational unit and bridges topics not covered by the KS3 programme.	How the body fights disease	This is the start of the AQA Entry level course and is part of the foundational unit and bridges topics not covered by the KS3 programme.	Hormones & the Nervous System	This is part of the biology unit in the AQA Entry level course that covers all the foundational concepts.	Structure & properties	This is part of the chemistry unit in the AQA Entry level course that covers all the foundational concepts.	Separating mixtures	This is the second part of the first chemistry topic in the AQA Entry Level course and builds on learning from Spring 1&2.	Metals & polymers	This is the second part of the first chemistry topic in the AQA Entry Level course and builds on learning from Spring 1&2.
Yr 10	Energy Stores & Resources	This is the start of the AQA Entry level Physics course and is part of the foundational unit and bridges topics not covered by the KS3 programme.	Forces & Work	This is the start of the AQA Entry level Physics course and is part of the foundational unit and bridges topics not covered by the KS3 programme.	Motion & Radiation	This is part of the physics unit in the AQA Entry level course that covers all the foundational concepts.	Photosynthesis & Food Chains	This is the second part of the biology unit in the AQA Entry level course that builds on foundational concepts.	Environment	This is the second part of the biology unit in the AQA Entry level course that builds on foundational concepts.	Genetics	This is the second part of the biology unit in the AQA Entry level course that builds on foundational concepts.
Yr 11	Elements, Compounds & Mixtures	This is the second part of the first chemistry topic in the AQA Entry Level course and builds on learning from year 10.	Metals & Alloys	This is the second part of the first chemistry topic in the AQA Entry Level course.	Energy Stores & Resources	This is the start of the AQA Entry level Physics course and is part of the foundational unit and bridges topics not covered by the KS3 programme.	Forces & Work	This is the start of the AQA Entry level Physics course and is part of the foundational unit and bridges topics not covered by the KS3 programme.	Motion & Radiation	This is part of the physics unit in the AQA Entry level course that covers all the foundational concepts.		