Curriculum overview
Combined Science

GCSE Combined Science: Trilogy AQA 8464

Year	Biology	Chemistry	Physics
9	Topic 1 - Cell structure Topic 2 part 1 – Organisation, animal tissues, organs and organ systems	Topic 1.1 – Atomic structure Topic 4 – Chemical changes part 1: metals and acids Topic 8 – Chemical Analysis Topic 6.1 – Rates of reactions	Topic 8 - Space Topic 5 - Forces part 1 Topic 6 - Waves
10	Topic 2 part 2 – Plant tissues, organs and systems Topic 3 – Infection and response Topic 4 –Photosynthesis and respiration Topic 5 – Homeostasis and response Topic 7 part 1– Adaptations, interdependence and competition, ecosystems, biodiversity *	Topic 1.2 – The Periodic table Topic 2.1 – Chemical bonds, ionic, covalent and metallic Topic 5 – Energy changes Topic 6.2 – Reversible reactions and dynamic equilibrium Topic 7 – Organic chemistry Topic 9 – Chemistry of the atmosphere * Topic 10 – Using resources *	Topic 7 – Magnetism and electromagnetism Topic 4 – Atomic structure Topic 5 – Forces part 2 Topic 3 – Particle model of matter *
11	Topic 7 part 2 – Levels of organisation Topic 6 part 1 – Reproduction, DNA, selective breeding, genetic engineering, resistant bacteria and classification Topic 6 part 2 – Inheritance, sex determination, variation, extinction, evolution and fossils *	Topic 2.2 – Relating bonding and structure to properties Topic 3 – Quantitative chemistry Topic 4 – Chemical changes part 2: Electrolysis *	Topic 1 – Energy Topic 2 – Electricity Recap of required practicals *

* In Years 10 and 11 these topics can be taught at any point in the year by the teacher who sees the group twice per week