

Year 11 Science Map – Triple

If students choose triple science we follow the AQA triple science specification. All points refer to syllabus points. Students have 3 teachers, one for each specialism. Over a two week cycle they will have biology 5 times, chemistry 6 times and physics 5 times.

Biology	Week 1-8	Week 9-12	Week 13-16	Week 17 - 23	Week 24 - 30
Topic	B5 – Homeostasis and response part 1 <ol style="list-style-type: none"> 1. 4.5.1 Homeostasis 2. 4.5.2 The human nervous system <ol style="list-style-type: none"> a. 4.5.2.1 Structure and function b. 4.5.2.2 The brain c. 4.5.2.3 The eye d. 4.5.2.4 Control of body temperature 3. 4.5.3 Hormonal coordination in humans <ol style="list-style-type: none"> a. 4.5.3.1 Human endocrine system b. 4.5.3.2 Control of blood glucose concentration c. 4.5.3.3 Maintaining water and nitrogen balance in the body 	Mock Exams Paper and Revision	B5 – Homeostasis and response part 2 <ol style="list-style-type: none"> 1. 4.5.3.4 Hormones in human reproduction <ol style="list-style-type: none"> a. 4.5.3.5 Contraception b. 4.5.3.6 The use of hormones to treat infertility c. 4.5.3.7 Negative feedback 2. 4.5.4 Plant hormones 	B6 – Inheritance, variation and evolution <ol style="list-style-type: none"> 1. 4.6.1 Reproduction 2. 4.6.2 Variation and evolution 3. 4.6.3 The development of understanding of genetics and evolution 4. 4.6.4 Classification of living organisms 	Revision on all topics for GCSE's

Chemistry	Week 1-7	Week 9-12	Week 8 and 13-23	Week 24 - 30
Topic	C7 Organic Chemistry <ol style="list-style-type: none"> 1. 4.7.1 Carbon compounds as fuels and feedstock 2. 4.7.2 Reactions of alkenes and alcohols 3. 4.7.3 Synthetic and naturally occurring polymers C8 Chemical analysis <ol style="list-style-type: none"> 1. 4.8.1.1 Pure substances 2. 4.8.1.2 Formulations 3. 4.8.2 Identification of common gases 4. 4.8.3 Identification of ions by chemical and spectroscopic means 	Mock Exams Paper and Revision	C8 Chemical analysis P2 <ol style="list-style-type: none"> 1. 4.8.1.3 Chromatography C9 Chemistry of the Atmosphere <ol style="list-style-type: none"> 1. 4.9.1 The composition and evolution of the Earth's atmosphere 2. 4.9.2 Carbon dioxide and methane as greenhouse gases 3. 4.9.3 Common atmospheric pollutants and their sources C10 Using resources <ol style="list-style-type: none"> 1. 4.10.1 Using the Earth's resources and obtaining potable water 2. 4.10.2 Life cycle assessment and recycling 3. 4.10.3 Using materials 4. 4.10.4 The Haber process and the use of NPK fertilisers 	Revision on all topics for GCSE's

Physics	Week 1-8	Week 9-12	Week 13-23	Week 24 - 30
Topic	P6- Waves 4.6.1 Waves in air, fluids and solids 4.6.2 Electromagnetic waves 4.6.3 Black body radiation 4.6.4	Mock Exams Paper and Revision	P7 Magnetism and electromagnetism 1. 4.7.1 Permanent and induced magnetism, magnetic forces and fields 2. 4.7.2 The motor effect 3. 4.7.3 Induced potential, transformers and the National Grid P8 Space Physics 1. 4.8.1 Solar system; stability of orbital motions; satellites 2. 4.8.2 Red-shift	Revision on all topics for GCSE's