

Winstanley Two Year Overview for GCSE Edexcel Core Science (Triple Award)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
YEAR 10	<u>Biology 1</u> - Classification, variation and inheritance - Responses to a changing environment - Problems of and solutions to a changing environment <u>Chemistry 1</u> - The Earth's sea and atmosphere - Materials from the Earth - Acids - Obtaining and using metals - Fuels <u>Physics 1</u> - Visible light and the Solar System - The electromagnetic spectrum - Waves and the Universe - Waves and the Earth - Generation and transmission of electricity - Energy and the future	<u>Biology 1</u> - Classification, variation and inheritance - Responses to a changing environment - Problems of and solutions to a changing environment <u>Chemistry 1</u> - The Earth's sea and atmosphere - Materials from the Earth - Acids - Obtaining and using metals - Fuels <u>Physics 1</u> - Visible light and the Solar System - The electromagnetic spectrum - Waves and the Universe - Waves and the Earth - Generation and transmission of electricity - Energy and the future	Biology Controlled Assessment Chemistry Controlled Assessment Physics Controlled Assessment	<u>Biology 2</u> - The components of life - Organisms and energy - Common systems <u>Chemistry 2</u> - Atomic Structure and the periodic table - Ionic compounds and analysis - Covalent compounds and separation techniques - Groups in the periodic table - Chemical reactions - Quantitative Chemistry <u>Physics 2</u> - Static and current electricity - Controlling and using electric currents - Motions and forces - Momentum, energy, work and power - Nuclear fission and nuclear fusion - Benefits and drawbacks of using radioactive materials	<u>Biology 2</u> - The components of life - Organisms and energy - Common systems <u>Chemistry 2</u> - Atomic Structure and the periodic table - Ionic compounds and analysis - Covalent compounds and separation techniques - Groups in the periodic table - Chemical reactions - Quantitative Chemistry <u>Physics 2</u> - Static and current electricity - Controlling and using electric currents - Motions and forces - Momentum, energy, work and power - Nuclear fission and nuclear fusion - Benefits and drawbacks of using radioactive materials	Revision and preparation for mock exams

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
YEAR 11	<u>Biology 3</u> - Control systems - Behaviour - Biotechnology <u>Chemistry 3</u> - Qualitative analysis - Electrolytic processes - Gases, equilibria and ammonia - Organic chemistry <u>Physics 3</u> - Radiation in treatment and medicine - X-rays and ECGs - Ionising radiation from radioactive sources - Motion of particles - Kinetic theory and gases	<u>Biology 3</u> - Control systems - Behaviour - Biotechnology <u>Chemistry 3</u> - Qualitative analysis - Electrolytic processes - Gases, equilibria and ammonia - Organic chemistry <u>Physics 3</u> - Radiation in treatment and medicine - X-rays and ECGs - Ionising radiation from radioactive sources - Motion of particles - Kinetic theory and gases	Biology Controlled Assessment Chemistry Controlled Assessment Physics Controlled Assessment	Biology Controlled Assessment Chemistry Controlled Assessment Physics Controlled Assessment	REVISION & EXAMS	EXAMS