Seneca Units Year 11 Science

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You should have been given a class code by your teacher to access the correct course.

Purple topics are triple science **only** topics only

Term	topics	Seneca Course	Course code and title
Autumn 1	Bioenergetics 2 (Y10)	AQA Biology HT	Photosynthesis 4.1.1
		AQA Biology HT	Photosynthesis 2 4.1.2
		AQA Biology HT	Photosynthesis experiments 4.1.3
	Organisation (Y10)	AQA Combined Science Biology FT	Plant tissues 2.5.1
			Transpiration and Translocation 2.5.2
			Rate of Transpiration 2.5.3
			Transpiration tissues 2.5.4
			Stomata 2.5.5
			EOT Test 2.5.6
	Electricity (Y10)	AQA Combined Science Physics HT	Domestic uses 2.4.1
			Domestic uses 2 2.4.2
			Electrical Safety 2.4.3
	Using Resources	Combined science Chemistry HT and FT	LCA 10.2.1
		Combined science Chemistry HT and FT	Recycling 10.2.2

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	Rates	AQA Combined Science Chemistry HT	Catalyst 6.1.2
			Reversible reactions and equilibrium 6.2.1
			Equilibrium position 6.2.2
		AQA Chemistry HT	The Haber process 10.4.1
			The Haber process 10.4.2
			NPK fertilisers 10.4.4
	Ecology (Y10)	Combined Science Biology HT and FT	Communities 7.1.1
		Combined Science Biology HT and FT	Interdependence and stability of ecosystems 7.1.2

Term	**topics**	**Seneca Course**	**Course code and title**
Autumn 2	Cells	Combined Science Biology FT	Chromosomes and Mitosis 1.2.1
			Reproduction 6.1.1
			Osmosis 1.3.3
			Active Transport 1.3.4
	Energy and Forces	Combined Science Physics HT and FT	Hooke's Law 5.2.4
			Elastic Potential Energy 5.2.5
		AQA Physics HT	Momentum 5.3.3
		AQA Physics HT	Moments 5.3.4
		AQA Physics HT	Pressure 5.4.1
			Changes in Pressure 5.4.3

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Term	topics	Seneca Course	Course code and title
Spring 1	Electrolysis	Combined science Chemistry HT	Electrolysis 4.4.1
			Electrolysis 2 4.4.2
		AQA Chemistry HT	Electrolysis and Metal Extraction 4.4.1
			Electrolysis of Aqueous Solutions and Half Equations 4.4.2
	Inheritance	Combined science Biology FT	DNA and protein synthesis 6.1.4
		Combined science Biology FT	Genetic Inheritance 1 6.1.4
			Genetic Inheritance 2 6.1.5
			Inherited disorders 1, 6.1.6
			Inherited disorders 2, 6.1.7
			Genetic Engineering 6.2.4
			Genetic Engineering pros and cons 6.2.5
		Combined science Biology FT	Evolution 6.2.6
			Extinction 6.2.7
	Electricity	Combined science Physics HT	Electrical charge 2.1.1
			Conductors 2.1.2
			Potential difference 2.2.2

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			Resistance 2.2.1
			Ohm's law 2.2.2
			Series circuits 2.3.3
			Series circuits 2, 2.3.4
			Series circuits Hyperlearning 2.3.5
			Parallel circuits 2.3.6
	Quant Chem	Combined science Chemistry FT	Concentration of solutions 3.1.3
			Measuring mass 3.1.2
		AQA Chemistry FT	Yield and atom economy 3.1.3

Term	topics	Seneca Course	Course code and title
Spring 2	Magnetism and LHR	Combined science Physics HT	Magnetic effect of a current 7.2.1
			Magnetic field strength 7.2.2
			Motor effect 7.2.3
			Motors 7.2.4
		AQA Physics HT	Transformers 7.3.1
			Transformers 2, 7.3.3
			Generator effect 7.3.2
			EOT test 7.3.4
	Rates	AQA Combined Science Chemistry HT	Catalyst 6.1.2

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			Reversible reactions and equilibrium 6.2.1
			Equilibrium position 6.2.2
		AQA Chemistry HT	The Haber process 10.4.1
			The Haber process 10.4.2
			NPK fertilisers 10.4.4
	Ecology	Combined science Biology FT	Classification of living organisms 6.3.1
			Classification of living organisms 2, 6.3.2
			Land use and deforestation 7.3.2
			Global warming and Biodiversity 7.3.3
			Exam style questions – deforestation 7.3.4
		AQA Biology FT	Food production 7.5.1
			Farming and fishing 7.5.2
			Genetic engineering 6.2.4