



Year 11 – Overview

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
B13 Genetics & evolution & B14 Genetics & evolution and P13 Electromagnetic waves	B15-17 Ecology	B15-17 Ecology continued and C9 Organic chemistry and C12 Analysis & the Earth's resources	C13 The Earth's atmosphere and C14 Earth's resources.	Revision	EXAMS
→Types of reproduction. →Cell division is sexual reproduction. →DNA and the genome. →Inheritance in action. →More about genetics. →Inherited disorders. →Screening for genetic disorders. →Variation. →Evolution by Natural Selection. →Selective breeding. →Genetic engineering. →Ethics of genetic technologies. →The electromagnetic spectrum. →Light, infrared microwaves and radio waves. →Communications. →UV rays, X-rays and Gamma rays. →X-rays in medicine.	→Evidence of evolution. →Fossils and extinction. →Antibiotic resistant bacteria. →Classification. →New systems of classification. →Importance of communities. →Organisms in their environment. →Distribution and abundance. →Competition in plants. →Competition in animals. →Adapt and survive. →Adaptations in animals. →Adaptations in animals.	→Feeding relationships. →Materials cycling. →The carbon cycle. →Rates of decomposition. →The human population explosion. →Land and water pollution. →Deforestation and peat destruction. →Global warming. →Maintaining biodiversity. →Hydrocarbons. →Fractional distillation of oil. →Burning hydrocarbon fuels. →Cracking hydrocarbons →Pure substances and mixtures. →Testing for gases.	→History of our atmosphere. →Greenhouse gases. →Global climate change. →Atmospheric pollutants. →Finite and renewable resources. →Water safe to drink. →Treating water waste. →Extracting metals from ores. →Life cycle assessments. →Reduce, reuse and recycle.		→