

Below is a learning list of topics that will be examined

Working Scientifically	
The Scientific Method	
Designing & Performing Experiments	
Presenting Data	
Conclusions, Evaluations and Units	

BIOLOGY	
Topic 5: Homeostasis & response	5.1 the human nervous system
	5.2 Hormonal coordination in humans
	5.3 Plant hormones
Topic 6: Inheritance, variation and evolution	6.1 Reproduction
	6.2 Variation
	6.3 The development of understanding of genetics and evolution
	6.4 Classification of living organisms
Topic 7: Ecology	7.1 Adaptations, interdependence and competition
	7.2 Organisation of an ecosystem
	7.3 Biodiversity and the effect of human interaction of ecosystems
	7.4 Trophic levels in an ecosystem
	7.5 Food production

CHEMISTRY	
Topic 6: The rates and extent of chemical change	6.1 Rate of reaction
	6.2 Reversible reactions and dynamic equilibrium
Topic 7: Organic chemistry	7.1 Crude oil and alkanes
	7.2 Cracking and alkenes
	7.3 Alcohols, carboxylic acids and esters
	7.4 Polymers
Topic 8: Chemical analysis	8.1 Purity, formulations and chromatography
	8.2 identification of ions by chemical and spectroscopic means
Topic 9 Chemistry of the atmosphere	9.1 The composition and evolution of the Earth's atmosphere
	9.2 Greenhouse gases
	9.3 Common atmospheric pollutants and their sources
Topic 10 Using resources	10.1 Using the Earth's resources
	10.2 The use of water
	10.3 Metals and other materials

PHYSICS

Topic 5: Forces	5.1 Forces and their interactions
	5.2 pressure and pressure differences in fluids
	5.3 Forces and motion
	5.4 Forces, accelerations and Newton's Laws of Motion
	5.5 Momentum
Topic 6: Waves	6.1 Waves in air, fluids and solids
	6.2 Electromagnetic waves
	6.3 Lenses
Topic 7: Magnetism and electromagnetism	7.1 Permanent and induced magnetism, magnetic force
	7.2 The motor effect
	7.3 Induced potential, transformers and the National Grid
Topic 8: Space physics	8.1 The Solar System

To help you revise and fill any gaps in your learning please use:

- CGP Knowledge Organisers
- Seneca

