Science - Year 7 Long Term Curriculum Map	
TERM 2	TERM 3
ange of scientific ideas in the subject disciplines of bi- fic knowledge and understanding. The course and clearly related to the science content. Ature and units and mathematical representations.	
 Topics taught: Forces and motion – mass, weight, pressure and speed. Circle of life – DNA, inheritance and reproduction. 	 Topics taught: Electricity and magnetism – circuits and magnets. Madagascar – adaptations, classification, food chains, food webs and plants.
Science - Year 8 Long Term Curriculum Map	
TERM 2	TERM 3
 Topics taught: Casualty – the function of the body. Dr Who – the periodic table. Science - Year 9 Long Term Curriculum Map 	 Topics taught: Fossil hunters – earth, fossils and rocks. Star wars – the solar system.
Combined Science: Biology, Chemistry, Physics ng upon and deepening scientific knowledge and the	understanding of ideas developed in years 7 and 8.
f size. sure. parating mixtures, bonding and properties of materia te. ction.	ls
	TERM 2 ange of scientific ideas in the subject disciplines of bio ic knowledge and understanding. the course and clearly related to the science content. Inture and units and mathematical representations. Topics taught: • Forces and motion – mass, weight, pressure and speed. • Circle of life – DNA, inheritance and reproduction. Science - Year 8 Long Term Curriculum Map TERM 2 ange of scientific ideas in the subject disciplines of bio ic knowledge and understanding. the course and clearly related to the science content. Inture and units and mathematical representations. Topics taught: • Casualty – the function of the body. • Dr Who – the periodic table. Science - Year 9 Long Term Curriculum Map Combined Science: Biology, Chemistry, Physics ing upon and deepening scientific knowledge and the synthesis. size. ure. barating mixtures, bonding and properties of material ter.

Topic P	9 (Ph	ysics)
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These are practical-based topics which provide learners with the necessary skills to undertake the 15% practical content in the examinations.

Science - Year 10 Long Term Curriculum Map

Combined Science: Biology, Chemistry, Physics

Students will continue with the process of building upon and deepening scientific knowledge and the understanding of ideas developed in years 7, 8 and 9.

B3 – Organism level systems - The nervous system, the endocrine system and maintaining internal environments.

B4 – Community level systems - Ecosystems.

C3 – Chemical reactions - Types of chemical reactions, energetics and electrolysis.

C4 – Predicting and identifying reactions and products - Predicting chemical reactions.

P3 – Electricity and magnetism - Static and charge, simple circuits and magnets and magnetism.

P4 – Waves and radioactivity - Wave behaviour, the electromagnetic spectrum and radioactivity.

Students will also be taught one of the following:

Topic CS7 (Combined science).

Topic B7 (Biology).

Topic C7 (Chemistry).

Topic P9 (Physics)

These are practical-based topics which provide learners with the necessary skills to undertake the 15% practical content in the examinations.

Science - Year 11 Long Term Curriculum Map

Additional Science

Students will continue with the process of building upon and deepening scientific knowledge and the understanding of ideas developed in years 7, 8, 9 and 10

B3 – Living and growing - Molecules of life, proteins, mutations, cell division, the circulatory system, genes and cloning.

B4 – It's a green world - Ecology, photosynthesis, diffusion, osmosis, decay and farming.

C3 – Chemical economics - Rates of reaction, percentage yield and atom economy, energy, allotropes of carbon and nanochemistry.

C4 – The periodic table - Atomic structure, bonding, group 1 elements, group 7 elements, transition elements and water.

P3 – Forces for transport - Speed, forces and motion, work and power, energy and terminal velocity.

P4 – Waves and radioactivity - Wave behaviour, the electromagnetic spectrum and radioactivity.

Biology	 B5 – The living body - Skeletons, circulatory systems, respiratory systems, digestion and growth and repair B6 – Beyond the microscope - Microorganisms, biofuels, enzymes and gene technology.
Chemistry	C5 – How much? (Quantitative analysis) - Moles, empirical formula, titrations, equilibria, strong and weak acids and precipitation. C6 – Chemistry out there - Electrolysis, energy transfers, redox reactionns, alcohols, the ozone layer, hardness of water, natural fats and detergents.
Physics	 P5 – Space for refection - Satellites, gravity, equations of motion, satellite communication, refraction of waves and optics. P6 – Electricity for gadgets - Resistance, logic gates, motors, generating electricity and transformers.