CURRICULUM MAP – Year 11 TRIPLE SCIENCE Each topic will cover the key enquiry processes, relevant maths skills and cultural capital. See corresponding schemes of work for more detail.



HT1:	HT2:	Assessment	HT3:	HT4:	Assessment	HT5
INTENT	INTENT	Students	INTENT	INTENT	Students	INTENT
Ecology 4.7	Waves 6.6	will be	Magnetism 6.7		will be	
In this section we will explore	We learn how waves carry	assessed by	We learn about permanent	MOCK EXAMS	assessed by	Space
how humans are threatening	energy from one place to	a series of	and induced magnetism and		a series of	We revisit solar system, the
biodiversity as well as the	another and how they carry	end of topic	how a magnet moving in a coil	GAP ANALYSIS	end of topic	life cycle of a star and how
natural systems that support	information, including	tests	can produce electric current		tests	the red shift theory helps us
it. We also learn the factors	deflection of waves and	followed by	and also that when current	REVISION	followed by	to understand how the
which speed up the rate of	sound waves.	a larger	flows around a magnet it can		a second	universe is expanding.
decay and sustainable food		МОСК	produce movement. We learn	INTERLEAVING	MOCK or	
production.	Link to atomic structure and	assessment	about Fleming's Left Hand		interleaved	CL- astronomer, Astronaut,
·	taught before 5.9	at the end	Rule and the Motor Effect.		paper at the	Geospatial Technician.
Delivered in the warmer	ŭ	of the term.			end of HT3.	·
months for fieldwork	CL- Audiologist, Acoustic		CL- Rail Technician, Sound			
	Engineer, Seismologist,		Engineer, Radiologist			
CL- Ecologist, Marine	Optometrist, Sound Engineer,		, J			
Biologist, Conservationist,	Lightning Designer.		Using Resources 5.10			
Sustainability Officer.			In this topic, we learn that in			
•	Inheritance, Variation and		order to operate sustainably,			
Organic Chemistry 5.7	Evolution 4.6		chemists seek to minimise the			
We learn that a great variety	We study DNA structure,		use of limited resources, use			
of carbon compounds is	cloning and the theories of		of energy, waste and			
possible because carbon	evolution and speciation.		environmental impact in the			
atoms can form chains and	·		manufacture of products.			
rings linked by C-C bonds. We	Link to non-communicable		Chemists also aim to dispose			
also learn about alkenes,	diseases in 4.3		of products at the end of their			
alcohols and polymers.			useful life in ways that ensure			
. ,	CL- Genetic counsellor and		that materials and stored			
Link to enzymes, DNA as a	palaeontologist		energy is utilised. We study			
polymer and inheritance			the Haber Process.			
	Chemistry of the Atmosphere					
CL- Petroleum engineer,	5.9		Link to chemistry of the			
Offshore drilling worker.	We learn that the Earth's		atmosphere			
	atmosphere is dynamic and					



KEY Biology Chemistry Physics

Forces 6.5	forever changing. The causes	CL- Environmental Chemist,		
We learn about forces and	of these changes are	Waste management.		
their interactions, forces in	sometimes man-made and			
motion, Newton's Laws of	sometimes part of natural	Homeostasis and Response		
Motion and Momentum. We	cycles.	4.5		
learn about moments, levers		We learn the structure and		
and gears, pressure	Link to Ecology and Organic	function of the nervous and		
differences in fluids and	Chemistry	hormonal system. Students		
atmospheric pressure.		also study the brain and the		
	CL- Environmental Officer,	eye as two sensory organs		
Link to homeostasis and	Energy Analyst, Glaciologist.	and also the control of body		
response (reaction times)		temperature and water and		
		nitrogen balance. We also		
CL- Engineer.		learn about plant hormones.		
Chemical Analysis 5.8		Link to forces (reaction times)		
We learn about the range of				
qualitative tests to detect		CL- Neurosurgeon, Optician,		
specific chemicals, including		Dietician, Nephrologist.		
how to test for ions.				
Link to particle theory (Y10)				
CL- Environmental Officer,				
Forensics, Glass artist.				