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	Organic Chemistry 5.7	Chemistry of the Atmosphere	will be	Magnetism 6.7
In this section we will explore	We learn how waves carry	assessed by	We learn that a great variety	5.9	assessed by	We learn about permanent
how humans are threatening	energy from one place to	a series of	of carbon compounds is	We learn that the Earth's	a series of	and induced magnetism and
biodiversity as well as the	another and how they carry	end of topic	possible because carbon	atmosphere is dynamic and	end of topic	how a magnet moving in a coil
natural systems that support	information, including	tests	atoms can form chains and	forever changing. The causes	tests	can produce electric current
it. We also learn the factors	deflection of waves and	followed by	rings linked by C-C bonds. We	of these changes are	followed by	and also that when current
which speed up the rate of	sound waves.	a larger	also learn about alkenes,	sometimes man-made and	a second	flows around a magnet it can
decay and sustainable food	Link to atomic structure and	МОСК	alcohols and polymers.	sometimes part of many	MOCK or	produce movement. We learn
production.	taught before 5.9	assessment	Link to enzymes, DNA as a	natural cycles.	interleaved	about Fleming's Left Hand
		at the end	polymer and inheritance		paper at the	Rule and the Motor Effect.
Delivered in the warmer	<u>Space</u>	of the term.		Homeostasis and Response	end of HT3.	
months for fieldwork	We learn about our solar		Forces 6.5	4.5		Using Resources 5.10
	system, the life cycle of a star		We learn about forces and	We learn the structure and		In this topic, we learn that in
Rate and Extent of Chemical	and how the red shift theory		their interactions, forces in	function of the nervous and		order to operate sustainably,
Change 5.6	helps us to understand how		motion, Newton's Laws of	hormonal system. Students		chemists seek to minimise the
We learn that whilst the	the universe is expanding.		Motion and Momentum. We	also study the brain and the		use of limited resources, use
reactivity of chemicals is a			learn about moments, levers	eye as two sensory organs		of energy, waste and
significant factor in how fast	Chemical Analysis 5.8		and gears, pressure	and also the control of body		environmental impact in the
chemical reactions proceed,	We learn about the range of		differences in fluids and	temperature and water and		manufacture of products.
there are many variables that	qualitative tests to detect		atmospheric pressure.	nitrogen balance. We also		Chemists also aim to dispose
can be	specific chemicals, including		Link to homeostasis and	learn about plant hormones.		of products at the end of their
manipulated in order to speed	how to test for ions.		response (reaction times)	Link to forces (reaction times)		useful life in ways that ensure
them up or slow them down.	Link to particles					that materials and stored
						energy is utilised. We study
Link to energy changes	Inheritance, Variation and					the Haber Process.
Link to organisation (enzymes	Evolution 4.6					Link to chemistry of the
as catalysts)	We study DNA structure,					atmosphere
Link to limiting factors in	cloning and the theories of					
Bioenergetics	evolution and speciation.					
	Link to non-communicable					
	diseases in 4.3					