## CURRICULUM MAP – Year 8

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:	HT6:	EOY Assessment Point
INTENT	INTENT		INTENT	INTENT	Fuery two tenies	INTENT	INTENT	End of Year
	Light	Every two topics, students complete	Breathing and		Every two topics, students complete		Plants and their	Interleaved
Atoms, elements and molecules	Recap Y7 Sound.	a synoptic,	respiration	The periodic table Recap atoms and	a synoptic,	Earth and Space Recap Y7 Forces	reproduction	assessment
Recap Y7 Particle	How light waves	interleaved	Recap fit and	elements. How the	interleaved	How our Sun and	Recap Y7 animal	covering content
mode.	travel and how	assessment which	healthy. The		assessment which		reproduction. How	from Year 7 and 8
			-	PT is arranged and		galaxy compare to	•	from Year 7 and 8
Name elements,	they are	will assess content	structure and	how this	will assess content	others. How	plants are classified	Assessables
compounds and	detected.	from the previous	function of the	arrangement holds	from the previous	seasons, the Earth'	and adapt to survive.	Assess the
understand the	Investigating	two topics and	respiratory	clues to the	two topics and	tilt, day lengths	The reproductive	Enquiry
properties of	reflection and	interleave	system and the	properties of the	interleave	differ depending	cycle of plants from	Processes:
elements. Use	refraction and	questions from	processes	elements in it.	questions from	on hemisphere.	pollination to seed	
symbols and	what happens	topics taught in	involved in the 2	Explaining why	topics taught in	Apply the force	dispersal. Practically	Calculate a mean
formulae of	to light when it	the previous term	types of	elements in similar	the previous term	equation for	investigate plant	from three repeat
elements and	passes through	or year, to	respiration	groups react in	or year, to	gravity and know	structures and	measurements.
compounds. Use a	a prism.	promote long-	Enquiry –	similar ways.	promote long-	the light year as a	functions.	Describe how to
simple atomic model		term memory and	Investigate		term memory and	unit of	Enquiry - Dissecting a	produce accurate
to explain	Enquiry – Law of	retrieval.	aerobic	Enquiry – Patterns	retrieval.	astronomical	flowering plant	and precise data,
conservation of mass	reflection		respiration.	of reactivity		distance	CL – Botanist,	and reduce
CL – Air Pollution	CL - Lighting	Assessments to	CL – Respiratory	CL – Research	Assess the Enquiry	Enquiry – How	Gardener, Farmer	experimental
Control Scientist,	Engineer,	assess the Enquiry	Physiologist,	Chemist	Processes:	orbital distances	CST	error.
Experimental	Photographer,	Processes:	Sports Scientist,		Describe how	affect year length	Creation and the	Evaluating data to
Chemist	Stage	Collecting,	Paramedic	<u>Unicellular</u>	scientists develop	CL – Aerospace	environment - Crop	suggest ways of
	Performer,	recording and	CST	organisms	an idea into a	Engineer,	rotation, creation of	making
	Optometrist	presenting data.	Dignity – passive	Recap Y7 Cells and	question that can	Astronaut,	wildflower meadows.	improvements.
Food and Nutrition		Describe how to	smoking and	Fit and Healthy.	be investigated.	Astronomer,	Common good –	
Recap Y7 Fit and		make	smoking ban.	Explore the	Plan an	Astrobiologist,	improving farming	
Healthy and Cells.	Earth and Rocks	measurements		differences	investigation	Satellite Engineer	practices and bee	
Balanced diets and	How the Earth	using scientific	Heating and	between	identifying the		protection.	
the importance of	was formed and	equipment.	Cooling	multicellular and	variables.	Earth's		
leading a healthy	the different	Present data	Energy transfers	unicellular	Interpret data to	Atmosphere	<u>Fluids</u>	
lifestyle. Why the	structures	appropriately as	of conduction,	organisms	find a pattern and	Recap Y7 energy	Recap Y7 particles	
body needs specific	within the Earth	tables and graphs.	convection and	including examples	make a conclusion.	resources. Explore	Model. How pressure	
nutrients. The	itself. The rock	Make a risk	radiation in	and link to disease	Draw a line of best	the atmosphere	affects solids, liquids	
process of digestion		assessment.	different	CL – Pathologist	fit on a line graph.	and how humans	and gases. Investigate	

With God all things are possible Matthew 1926



and evaluating the varied diets which we are exposed to in the media. Enquiry – Food tests CL – Dietician, Food Scientist CST Dignity – Balance diet and use of food banks. Common good – prevention of malnutrition. Options for the poor – reduce deficiency diseases.	cycle and rock types. Link to Y7 acids. CL – Geologist Glaciologist CST Solidarity and environment – acid rain. Peace – mining resources.	materials, linking to particles Y7. Enquiry – Insulation investigation CL – Energy Analyst, Mechanical Engineer CST Options for the poor – unfair tariffs. Dignity of work and participation – reinvestment in clean energy.	CST Dignity – cures for infectious diseases. Options for the poor – disease and dirty water.	have impacted on the environment and the Earth's climate. Evaluate causes and effects of global warming. CL – Climate Scientist, Energy Analyst CST Dignity – sustainable development. Solidarity and common good – reducing global warming. Peace - stop disruption from protestors. Creation and the	changes of state and resistive forces in fluids. Understand the anomaly of ice- water transition. Explain energy in matter Enquiry – Density, floating and sinking CL - Fluid dynamic engineer, Deep Sea Diver	