CURRICULUM MAP – Year 7

Each topic will cover the key enquiry processes, relevant maths skills and cultural capital. See corresponding schemes of work for more detail.

CC = Cultural Capital examples



KEY Biology Chemistry Physics Cultural Capital

HT1:	HT2:	Assessment	HT3:	HT4:	Assessment	HT5:	НТ6:	EOY Assessment
<u>INTENT</u>	<u>INTENT</u>	HT1 & HT2	<u>INTENT</u>	INTENT	HT3 and HT4	INTENT	INTENT	HT1 – HT6
Introduction to science						-1		- 1 CV
Health and safety	Energy Resources	Assessment 1 –	Sexual reproduction in	Metals and Non-	Assessment –	Electricity	<u>Ecosystems</u>	End of Year
	Describe where our	interleaved	animals	Metals	interleaved with	To introduce voltage,	Investigate the	assessment –
The particle model	domestic energy	content from HT1	Learn about the	Pupils will explore the	content from HT1-4	resistance and	impact of changes	interleaved conten
The particle model is a	supply comes from	and HT2	reproductive systems in	properties of metals		current within series	in a population of	from the whole
concept that explains	and compare		humans. Understand how	and-non-metals and	<u>Formative</u>	and parallel circuits	one organism on	Year 7
melting, freezing,	different sources of	<u>Formative</u>	the structure of the male	the chemical	Assessments to	CC – Electrical safety	others in the	
boiling and condensing.	energy.	Assessments to	and female reproductive	properties of metal	assess the Enquiry	in the home.	ecosystem.	<u>Formative</u>
Particles are always	CC Development of	assess the	organs are related to	and non-metal oxides	<u>Processes</u>		CC – Explain issues	Assessments to
moving in some way	future technology to	<u>Enquiry</u>	fertilisation, the	with respect to	- State some	Enquiry – modelling	with human food	assess the Enquiry
depending on their	allow Government	<u>Processes</u>	development of a foetus	acidity.	questions that	electric circuits	supplies in terms of	<u>Processes</u>
kinetic energy.	carbon emission	- State what is	and birth.	CC – Everyday uses of	can be		insect pollinators	- Name some types
CC - Engineering – Use	targets to be met.	meant by a risk	CC – understanding	metals e.g. fridge	investigated.		Enquiry –	of enquiry
of nanoparticles when	Enquiry – fuel	assessment.	puberty	magnets	- Identify different	Mixtures and	population	question.
designing new	comparison	- List what should			types of variables	<u>separations</u>	sampling	- State an example
technology.		be included in a	<u>Forces</u>		and experimental	Build on their		of how data can
	Acids and alkalis	conclusion.	Pupils will explore	Fit and healthy	errors.	knowledge of solids,	Sound	be recorded.
Cells and organisation	Explore everyday		different forces and their	Understand the	- Plan and	liquids, gases and	Describe how sound	- With help,
Know the structure and	acids and alkalis and		effects.	effects of recreational	investigation	apply this to	is produced and	calculate a mean
function of cells.	how to identify them.		Enquiry – friction and	drugs (including	- State what is	separating	how a sound wave	of two values.
Explore how these cells	To use lab acids and		surfaces	substance misuse) on	meant by a line	techniques.	transfers energy.	- Add data to a
were first discovered	bases and know their		CC Engineering design of	behaviour, health and	of best fit.	CC - Potable water –	Understand how	graph or chart.
and described and be	use in reactions.		new construction	life processes.	- Suggest one	methods to improve	the structure of the	- State how to
able to relate the	CC - Acid rain, bee		techniques eg new sewer	Disease and	improvement to	water standards in	ear allows sound to	evaluate data.
structures to function.	and wasp stings,		system and transport	vaccination.	an investigation.	developing countries.	be heard.	
CC Medicine – Research	household chemicals		tube in expanding	Muscles and the		Enquiry – separation	CC Audio engineers	
using cellular tissue for			London; new buildings to	skeleton		of sand and salt	-designing better	
treatment of disease.	Enquiry – antacid		withstand earthquakes.	CC - Public Health			sound delivery	
	investigation		Use of blades for athlete	advice – improve			systems for public	
Enquiry – preparation			performance in the para	knowledge of			events and noise	
of a cheek cell and			Olympics.	importance of			reduction for local	
onion cell slide.				personal fitness on			transport systems.	
				long term health			Enquiry –	
				benefits.			soundproofing	