



<u>Curriculum Overview for Physics</u> <u>Year 10</u>

Half Term 1: Matter	Decoding of key terminology Skim reading
Substantive	Etymology of key terms
☐ Name the states of matter	
Draw the states of matter	France Marin C. P. I.
Explain the properties of the states of matter	Energy, Matter, Solid
(arrangement, energy, motion)	Liquid, Gas, State, Motion
recall the equation for density	Arrangement, Temperature
describe the difference between a chemical and	Density, Specific heat capacity
physic change.	Specific latent heat, Chemical
state what specific heat capacity is.	change, Physical change
☐ state what specific latent heat is.	Recall tests
	Review sheet
Disciplinary	Termly exam
Calculate Density	=>
Explain the different densities of objects	
Devise a practical to measure the density of a regular	Revision Card preparation
solid Devise a practical to measure the density of an	Recall test
irregular solid	Repetition of use of revision cards
Devise a practical to measure the density of a liquid	for review sheets and recall tests
identify on a heating/cooling curve where changes of	and for termly exams.
state occur	
Half Term 1: Matter	Decoding of key terminology
	Skim reading
Substantive Knowledge:	Etymology of key terms
define half-life.	
describe the difference between contamination and	
irradiation.	Alpha Pota Camma
☐ Define background radiation and where it comes from.	Alpha Beta Gamma Ionisation
describe how the dosage of radiation can lead to	Penetration
different medical conditions.	Half-life
Triple	
define nuclear fission and nuclear fusion.	Fission (T)
describe what a chain reaction is.	Fusion (T)
describe how nuclear power is released.	Recall tests
describe the process of nuclear fusion.	Review sheet
describe the issues with nuclear fission	Termly exam
Disciplinary Knowledge:	 /
☐ Calculate half life	
☐ draw a half-life graph	Revision Card preparation
find the half life of a material from a radioactivity graph.	Recall test
	Repetition of use of revision cards
	for review sheets and recall tests
	and for termly exams.
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Core, compound and contextual knowledge Re-teaching

Enrichment Reading Contextual Reviewed Touch to the top

Tenbury High Ormiston Academy Vision, Values and Principles