



KEY STAGE 4 – YEAR 10 – COMBINED SCIENCE PHYSICS CURRICULUM MAP

Autumn Term		Spring Term		Summer Term	
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Key Themes	Key Themes	Key Themes	Key Themes	Key Themes	Key Themes
Current electricity Ohm's Law Resistance of components	Electric circuits Mains electricity Electrical safety in the home	Electrical power and energy The National Grid	Atomic structure Radioactive decay	Half life Uses of irradiation Vector and scalar quantities Contact and non-contact forces	Resultant forces Resolving a force into components Hooke's Law
Assessment / Composite Tasks	Assessment / Composite Tasks	Assessment / Composite Tasks	Assessment / Composite Tasks	Assessment / Composite Tasks	Assessment / Composite Tasks
Current-voltage characteristics	Electric circuits key task	Electricity end of topic test	Scientific models of the atom and how these have changed key task	Atomic structure and radioactivity end of topic test	Forces and vectors end of topic test

SCHEME OF WORK

Autumn Half Term One: Key Theme –



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Intent (weekly outline)	Implementation (T and L Pedagogy/components used)	Impact	Powerful Knowledge (keywords and terminology)	Personal Development Links

Autumn Half Term Two: Key Theme –

Intent (weekly outline)	Implementation (T and L Pedagogy/components used)	Impact	Powerful Knowledge (keywords and terminology)	Personal Development Links



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Spring Half Term One: Key Theme –

Intent (weekly outline)	Implementation (T and L Pedagogy/components used)	Impact	Powerful Knowledge (keywords and terminology)	Personal Development Links

Spring Half Term Two: Key Theme –

Intent (weekly outline)	Implementation (T and L Pedagogy/components used)	Impact	Powerful Knowledge (keywords and terminology)	Personal Development Links



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Summer Half Term One: Key Theme –				
Intent (weekly outline)	Implementation (T and L Pedagogy/components used)	Impact	Powerful Knowledge (keywords and terminology)	Personal Development Links
Summer Half Term Two: Key Theme –				
Intent (weekly outline)	Implementation (T and L Pedagogy/components used)	Impact	Powerful Knowledge (keywords and terminology)	Personal Development Links



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