



## KEY STAGE 4 – YEAR 10 – GCSE 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 Electrostatics  Atomic structure Radioactive decay	Half life Uses of irradiation Nuclear fission and fusion	Vector and scalar quantities Contact and non-contact forces Resultant forces Resolving a force into components Hooke's Law	Moments Pressure Motion and its representation Newton's Laws of Motion	Forces and motion Road safety Momentum
Assessment / Composite Tasks	Assessment / Composite Tasks	Assessment / Composite Tasks	Assessment / Composite Tasks	Assessment / Composite Tasks	Assessment / Composite Tasks
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	Moments questions key task  Test on moments, pressure and motion	Newton's Laws and momentum test



**KEY STAGE 4 – YEAR 10 – GCSE PHYSICS  
SCHEME OF WORK**

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



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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