

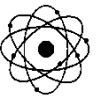
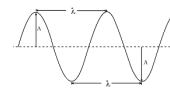
# THA Science Learning Journey



A levels?  
T levels?  
Level 3 BTEC?  
Apprenticeship?

YEAR  
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How is energy transferred in a wave?

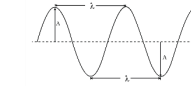


What affects the rate of a chemical reaction?

How does the body maintain a constant internal environment?



How do we determine amounts of substances in chemical reactions?



What are the main types of nuclear radiation?



How can we identify unknown chemicals?

How are characteristics passed from parents to offspring?



How have organisms evolved?

How do we use crude oil?



How can we use magnetic fields?



Why does energy change in a chemical reaction?



How does energy change in electrical circuits?



How do REDOX and acid/base reactions work?



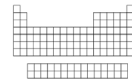
How are specialised cells adapted to their function?



How do we use materials from the earth?



How was today's periodic table developed?



How do organisms interact with each other and their environment?



How are metals extracted?



How do metals react with acids?

How is energy stored and transferred?



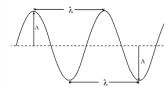
How was the model of an atom developed?



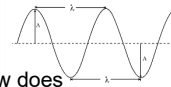
How to prevent spread of infection?



What are sound waves?



How does light travel?

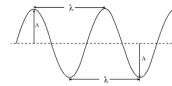


What is "work done"?



YEAR  
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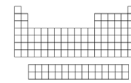
What is the electromagnetic spectrum?



What is temperature?



What is the periodic table?



How do electromagnets work?



How do our activities impact on the environment?



What is respiration and photosynthesis?



What are elements and compounds?



What are electric circuits?



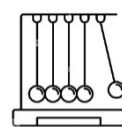
Why do we look like both our biological parents?



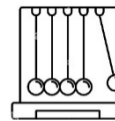
What is evolution?



What are contact forces?

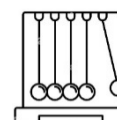


How do we measure speed?



YEAR  
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What are forces?



What is energy?



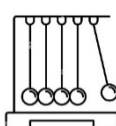
What is an ecosystem?



What are cells?



Why do we have day and night?



How are particles arranged in solids, liquids and gases?



What are renewable and non-renewable energy resources?



What is the difference between a physical and chemical reaction?



YEAR  
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Welcome



THISTLEY HOUGH ACADEMY  
Creative Education Trust

'We aim to empower students with the skills, curiosity and resilience for 21<sup>st</sup> Century life in our community.'