



Science Map

Year: 6

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme Links	Alfred Wallace	WW2	Judaism and the Human body	Titanic	You're hired	New Brighton
Science Unit	Evolution and inheritance, classification of living things	Camp Bastion investigations	Circulation system	Light - how we see	Analysing data from market research	Electricity (fairground)
Area	♣ describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals ♣ give reasons for classifying plants and animals based on specific characteristics. recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago ♣ recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents ♣ identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.	♣ recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function	♣ identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood ♣ describe the ways in which nutrients and water are transported within animals, including humans	recognise that light appears to travel in straight lines ♣ use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye ♣ explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes ♣ use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.		♣ associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit ♣ compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches ♣ use recognised symbols when representing a simple circuit in a diagram.
Opportunities for Working Scientifically	How Wallace's findings provided evidence for evolution I can record data and results using scientific classification keys, tables, I can report findings from enquiries in a range of ways. I can relate the outcome from an enquiry to scientific knowledge in order to state whether evidence supports or refutes an argument or theory. Read, spell and pronounce scientific vocabulary accurately.	Series of investigation investigating the effect of heat on the human body I can plan different types of scientific enquiry I can use the outcome of test results to make predictions and set up a further comparative fair test. I can record data and results using tables, bar and line graphs	Design own investigations linked to heart rate I can plan different types of scientific enquiry I can measure accurate and precisely using a range of equipment. I can explain causal relationships in an enquiry Read, spell and pronounce scientific vocabulary accurately.	Design own investigations linked to shadow size I can plan different types of scientific enquiry I can control variables in an enquiry I can explain a conclusion from an enquiry. I can record data and results using scientific diagrams Read, spell and pronounce scientific vocabulary accurately.	Presenting and analysing results from data research I can record data and results using tables, scatter graphs, bar graphs I can report findings from enquiries in a range of ways Read, spell and pronounce scientific vocabulary accurately.	Design investigations linked to brightness of a bulb I can measure accurate and precisely using a range of equipment. I can record data and results using scientific diagrams Read, spell and pronounce scientific vocabulary accurately.



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		Read, spell and pronounce scientific vocabulary accurately.				
Opportunities for RWM	Non-chron Report: Wallace's evidence contributing to theory of evolution	Persuasion: Linked to need of soldiers to overcome effects of heat	Explanation: How does the heart work?	Explanation: How does a telescope work?	Persuasion: What product would you recommend following market research?	Evaluation of own fairground model
Resources used (e.g- Kent Planning, HT, Twinkl)						