

Science LTP Hawk Class
Switched On Science Curriculum Scheme
From September 2023 onwards

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Hawk Class	Year 6 Topic 2 Healthy Bodies	Year 5 Topic 1 Out Of This World	Year 6 Topic 5 Electricity	Year 5 Topic 3 Circle Of Life Year 6 Topic 1 Classifying Living Things	Year 6 Topic 5 Evolution and Inheritance	Year 6 Topic 4 Light

National Curriculum Coverage through each SwitchedOn Science Topic

Hawk Class		WORKING SCIENTIFICALLY UKS2
AUTUMN 1 Year 6 Topic 2 Healthy Bodies	<p style="text-align: center;">YEAR 6 ANIMALS, INCLUDING HUMANS</p> <ul style="list-style-type: none"> -identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood -recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function -describe the ways in which nutrients and water are transported within animals, including humans 	<ul style="list-style-type: none"> -planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary -taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate -recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs -using test results to make predictions to set up further comparative and fair tests -reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations
AUTUMN 2 Year 5 Topic 1 Out of This World	<p style="text-align: center;">YEAR 5 EARTH AND SPACE</p> <ul style="list-style-type: none"> -describe the movement of the Earth and other planets relative to the sun in the solar system -describe the movement of the moon relative to the Earth -describe the sun, Earth and moon as approximately spherical bodies -use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky 	
SPRING 1 Year 6 Topic 5 Electricity	<p style="text-align: center;">YEAR 6 ELECTRICITY</p> <ul style="list-style-type: none"> -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 	
SPRING 2 Year 5 Topic 3 Circle of Life (c2/3 weeks) Year 6 Topic 1 Classifying Living Things	<p style="text-align: center;">YEAR 5 LIVING THINGS AND THEIR HABITATS (c2/3 weeks)</p> <ul style="list-style-type: none"> -describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird -describe the life process of reproduction in some plants and animals <p style="text-align: center;">YEAR 6 LIVING THINGS AND THEIR HABITATS (c3/4 weeks)</p> <ul style="list-style-type: none"> -describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals 	

(c3/4 weeks)	-give reasons for classifying plants and animals based on specific characteristics	of and a degree of trust in results, in oral and written forms such as displays and other presentations -identifying scientific evidence that has been used to support or refute ideas or arguments
SUMMER 1 Year 6 Topic 3 Evolution and Inheritance	<p style="text-align: center;">YEAR 6 EVOLUTION AND INHERITANCE</p> -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	
SUMMER 2 Year 6 Topic 4 Light	<p style="text-align: center;">YEAR 6 LIGHT</p> -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	