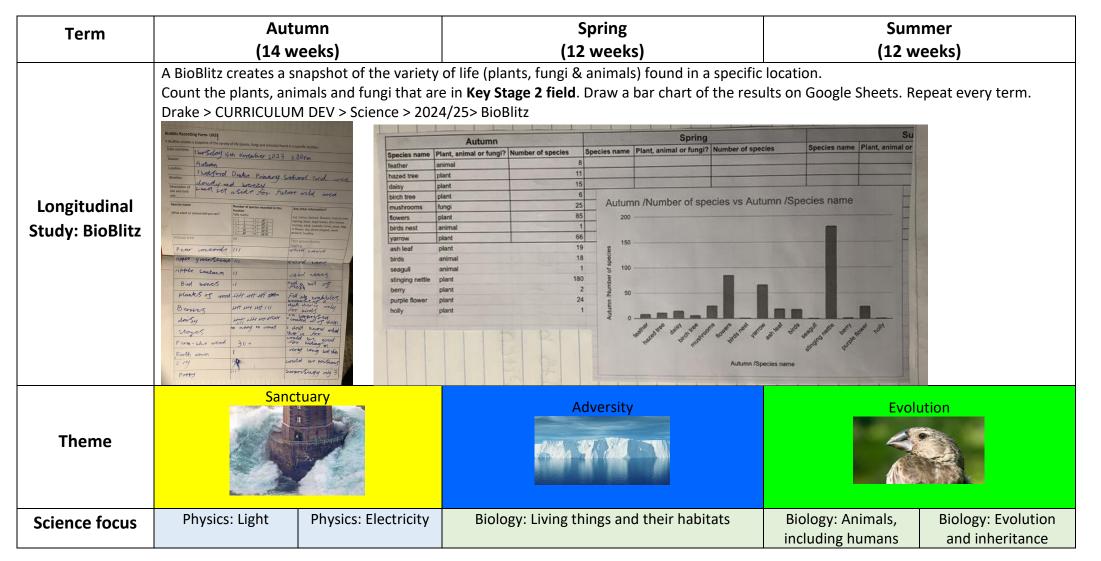
## **Drake Primary School and Little Pirates**

# Year 6 Science Curriculum Overview 2023-2024



|                                   | Physics: Light  | Biology: Living things and their habitats  | Biology: Animals, including humans   |
|-----------------------------------|---|--|--|
| Science<br>National<br>Curriculum | <ul> <li>Physics: Light <ul> <li>Recognise that light appears to travel in straight lines.</li> <li>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.</li> <li>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.</li> <li>Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.</li> </ul> </li> <li>Physics: Electricity <ul> <li>Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.</li> <li>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.</li> <li>Use recognised symbols when representing a simple circuit in a diagram.</li> </ul> </li> </ul> | <ul> <li>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.</li> <li>Give reasons for classifying plants and animals based on specific characteristics.</li> </ul> | <ul> <li>Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</li> <li>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.</li> <li>Describe the ways in which nutrients and water are transported within animals, including humans.</li> <li>Biology: Evolution and inheritance <ul> <li>Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.</li> <li>Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.</li> <li>Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</li> </ul> </li> </ul> |
| Key concepts                      | Light<br>Light appears to travel in straight lines,<br>and we see objects when light from them<br>goes into our eyes. The light may come<br>directly from light sources, but for other<br>objects some light must be reflected from   | Living things and their habitats<br>Living things can be formally grouped<br>according to characteristics. Plants and<br>animals are two main groups but there are<br>other livings things that do not fit into these  | Animals, including humans<br>The heart pumps blood in the blood vessels<br>around to the lungs. Oxygen goes into the<br>blood and carbon dioxide is removed. The<br>blood goes back to the heart and is then<br>pumped around the body. Nutrients, water   |

| the object into our eyes for the object to  | groups e.g. micro-organisms such as bacteria   | and oxygen are transported in the blood to      |  |
|---|--|---|--|
| be seen. Objects that block light (are not  | and yeast, and toadstools and mushrooms.       | the muscles and other parts of the body         |  |
| fully transparent) will cause shadows.      | Plants can make their own food whereas         | where they are needed. As they are used,        |  |
| Because light travels in straight lines the | animals cannot.                                | they produce carbon dioxide and other waste     |  |
| shape of the shadow will be the same as     | Animals can be divided into two main groups:   | products. Carbon dioxide is carried by the      |  |
| the outline shape of the object.            | those that have backbones (vertebrates); and   | blood back to the heart and then the cycle      |  |
|   | those that do not (invertebrates). Vertebrates | starts again as it is transported back to the   |  |
| Electricity                                 | can be divided into five small groups: fish;   | lungs to be removed from the body. This is      |  |
| Adding more cells to a complete circuit     | amphibians; reptiles; birds; and mammals.      | the human circulatory system.                   |  |
| will make a bulb brighter, a motor spin     | Each group has common characteristics.         | Diet, exercise, drugs and lifestyle have an     |  |
| faster or a buzzer make a louder sound. If  | Invertebrates can be divided into a number of  | impact on the way our bodies function. They     |  |
| you use a battery with a higher voltage,    | groups, including insects, spiders, snails and | can affect how well out heart and lungs         |  |
| the same thing happens. Adding more         | worms.   | work, how likely we are to suffer from          |  |
| bulbs to a circuit will make each bulb less | Plants can be divided broadly into two main    | conditions such as diabetes, how clearly we     |  |
| bright. Using more motors or buzzers,       | groups: flowering plants; and non-flowering    | think, and generally how fit and well we feel.  |  |
| each motor will spin more slowly and        | plants.  | Some conditions are caused by deficiencies      |  |
| each buzzer will be quieter. Turning a      |  | in our diet e.g. lack of vitamins. This content |  |
| switch off (open) breaks a circuit so the   |  | is also included in RSE.                        |  |
| circuit is not complete and electricity     |  | Evolution and inheritance                       |  |
| cannot flow. Any bulbs, motors or           |  | All living things have offspring of the same    |  |
| buzzers will then turn off as well. You can |  | kind, as features in the offspring are          |  |
| use recognised circuit symbols to draw      |  | inherited from the parents. Due to sexual       |  |
| simple circuit diagrams.                    |  | reproduction, the offspring are not identical   |  |
|   |  | to their parents and vary from each other.      |  |
|   |  | Plants and animals have characteristics that    |  |
|   |  | make them suited (adapted) to their             |  |
|   |  | environment. If the environment changes         |  |
|   |  | rapidly, some variations of a species may not   |  |
|   |  | suit the new environment and will die. If the   |  |
|   |  | environment changes slowly, animals and         |  |
|   |  | plants with variations that are best suited     |  |
|   |  | survive in greater numbers to reproduce and     |  |
|   |  | pass their characteristics on to their young.   |  |
|   |  | Over time, these inherited characteristics      |  |
|   |  | become more dominant within the                 |  |
|   |  | population. Over a very long period of time,    |  |
|   |  | these characteristics may be so different to    |  |

|                          |  |  | how they were originally that a new species<br>is created. This is evolution.<br>Fossils give us evidence of what lived on the<br>Earth millions of year ago and provide<br>evidence to support the theory of evolution.<br>More recently, scientists such as Darwin and<br>Wallace observed how living things adapt to<br>different environments to become distinct<br>varieties with their own characteristics.   |
|--------------------------|--|--|---|
| Common<br>misconceptions | Light<br>Some children may think:<br>• we see objects because light travels<br>from our eyes to the object.<br>Electricity<br>Some children may think:<br>• larger-sized batteries make bulbs<br>brighter<br>• a complete circuit uses up electricity<br>• components in a circuit that are closer<br>to the battery get more electricity. | Living things and their habitats<br>Some children may think:<br>• all micro-organisms are harmful<br>• mushrooms are plants. | <ul> <li>Animals, including humans</li> <li>Some children may think:</li> <li>your heart is on the left side of your chest</li> <li>the heart makes blood</li> <li>the blood travels in one loop from the<br/>heart to the lungs and around the body</li> <li>when we exercise, our heart beats faster to<br/>work the muscles more</li> <li>some blood in our bodies is blue and some<br/>blood is red</li> <li>we just eat food for energy</li> <li>all fat is bad for you</li> <li>all dairy is good for you</li> <li>protein is good for you, so you can eat as<br/>much as you want</li> <li>foods only contain fat if you can see it</li> <li>all drugs are bad for you.</li> <li>Evolution and inheritance</li> <li>Some children may think:</li> <li>adaptation occurs during an animal's<br/>lifetime: giraffes' necks stretch during their<br/>lifetime to reach higher leaves and animals<br/>living in cold environments grow thick fur<br/>during their life</li> <li>offspring most resemble their parents of<br/>the same sex, so that sons look like fathers</li> </ul> |

|                        | Light  |   | <ul> <li>all characteristics, including those that are<br/>due to actions during the parent's life such as<br/>dyed hair or footballing skills, can be<br/>inherited</li> <li>cavemen and dinosaurs were alive at the<br/>same time.</li> <li>Animals, including humans</li> </ul>   |
|------------------------|--|---|--|
| Possible<br>activities | <ul> <li>Explore different ways to demonstrate that light travels in straight lines e.g. shining a torch down a bent and straight hose pipe, shining a torch through different shaped holes in card.</li> <li>Explore the uses of the behaviour of light, reflection and shadows, such as in periscope design, rear view mirrors and shadow puppets.</li> <li>Electricity <ul> <li>Explain how a circuit operates to achieve particular operations, such as to control the light from a torch with different brightness's or make a motor go faster or slower.</li> <li>Make circuits to solve particular problems, such as a quiet and a loud burglar alarm.</li> <li>Carry out fair tests exploring changes in circuits.</li> <li>Make circuits that can be controlled as part of a DT project.</li> </ul> </li> </ul> | <ul> <li>Living things and their habitats</li> <li>Use secondary sources to learn about the formal classification system devised by Carl Linnaeus and why it is important.</li> <li>Use first-hand observation to identify characteristics shared by the animals in a group.</li> <li>Use secondary sources to research the characteristics of animals that belong to a group.</li> <li>Use information about the characteristics of an unknown animal or plant to assign it to a group.</li> <li>Classify plants and animals, presenting this in a range of ways e.g. Venn diagrams, Carroll diagrams and keys.</li> <li>Create an imaginary animal which has features from one or more groups.</li> </ul> | <ul> <li>Create a role play model for the circulatory system.</li> <li>Carry out a range of pulse rate investigations: <ul> <li>fair test – effect of different activities on my pulse rate</li> <li>pattern seeking – exploring which groups of people may have higher or lower resting pulse rates</li> <li>observation over time - how long does it take my pulse rate to return to my resting pulse rate (recovery rate)</li> <li>pattern seeking – exploring recovery rate for different groups of people.</li> <li>Research the negative effects of drugs (e.g. tobacco) and the benefits of a healthy diet and regular exercise by asking an expert or using carefully selected secondary sources.</li> </ul> </li> <li>Evolution and inheritance</li> <li>Design a new plant or animal to live in a particular habitat.</li> <li>Use models to demonstrate evolution e.g. 'Darwin's finches' bird beak activity.</li> <li>Use secondary sources to find out about how the population of peppered moths changed during the industrial revolution.</li> <li>Make observations of fossils to identify living things that lived on Earth millions of years ago.</li> </ul> |

| Scientists<br>https://pstt.org.uk<br>/unique-<br>resources/a-<br>scientist-just-like-<br>me/ | Light<br>Ernesta Jonkute- developed 'Vantablack,'<br>a super black coating that holds the world | Living things and their habitats<br>Prem Singh Gill (British Asian Polar Scientist) | <ul> <li>Identify features in animals and plants that are passed on to offspring and explore this process by considering the artificial breeding of animals or plants e.g. dogs.</li> <li>Compare the ideas of Charles Darwin and Alfred Wallace on evolution.</li> <li>Research the work of Mary Anning and how this provided evidence of evolution.</li> <li>Animals, including humans Jack Sharkey (Sports Scientist)</li> <li>Evolution and Inheritance Telma G. Laurentino (Evolutionary Biologist)</li> </ul> |
|--|---|---|---|
|  |   |   |   |
|  | Light   | Living things and their habitats  | Animals, including humans   |
|  | Rainbow   | Classification keys   | Anatomical drawings   |
| Arts   | Colour wheel  |   | Microscopic images of blood cells   |
| enrichment   | Electricity   |   | Evolution and inheritance   |
| opportunities  | Draw circuit diagrams   |   | Double helix DNA (X-ray crystallography or nuclear magnetic resonance (NMR) spectroscopy).  |

|  | Goodnight Mr Tom (Michelle Magorian)-  | Beetle Boy (M G Leonard)- provides a nice  | Pig Heart Boy (Malorie Blackman) - provides   |
|--|--|--|---|
|  | This wartime story is ideal for exploring  | way to link to work on classification of   | a good setting for learning about the heart   |
|  | the uses of electricity and how circuits   | invertebrates.                             | and circulation.  |
|  | work.  |  | One Smart Fish (Christenher Wermell)  |
| Books you<br>could use (William Kamkwamba and Bryan      |  |  | One Smart Fish (Christopher Wormell)-<br>provides a meaningful context for learning |
| could use  | (William Kamkwamba and Bryan   |  | about adaptations and evolution.  |
| https://www.stem.  | Mealer)- An inspiring true story of  |  |   |
| org.uk/teaching-   | necessity and invention! Due to a  |  |   |
| science-through-   | drought, William's African village has no  |  |   |
| <u>stories</u>   | water, no crops, and no income source.   |  |   |
|  | He researches solutions in the library and   |  |   |
|  | decides to build a windmill which  |  |   |
|  | successfully pumps water to the fields   |  |   |
|  | and generates electricity for his family.  |  |   |
| Tring / Visitors   |  | Frederick's wood- classification of plants | Dissection of pig / lamb hearts and lungs   |
| Trips / Visitors   |  |  |   |
| / Experiences  |  |  |   |
| UKS2 Working<br>Scientifically<br>National<br>Curriculum | Recording data and results of increasing complexity using scientific diagrams and labels classification keys tables scatter graphs |  |   |
|  | Light  |  | Animals, including humans   |
|  | Comparative / fair testing   | Living things and their habitats           | Comparative / fair testing  |
| Enquiry  | Which material is most reflective?   | Comparative / fair testing                 | Which type of exercise has the greatest   |
| suggestions  | How does the angle that a light ray hits a   | Which is the most common invertebrate on   | effect on our heart rate?   |
|  | plane mirror affect the angle at which it  | our school playing field?                  | How does the length of time we exercise for   |
|  | reflects off the surface?  | How does the temperature affect how much   | affect our heart rate?  |
|  | Research   | gas is produced by yeast?                  | Research  |

| Why do some people need to wear            | Research                                      | How have our ideas about disease and        |
|--|---|---|
| glasses to see clearly?                    | What do different types of microorganisms     | medicine changed over time?                 |
| Pattern Seeking                            | do? Are they always harmful?                  | Observation over time                       |
| Is there a pattern to how bright it is in  | Observation over time                         | How does my heart rate change over the      |
| school over the day? And, if there is a    | What happens to a piece of bread if you leave | day?  |
| pattern, is it the same in every           | it on the windowsill for two weeks?           | How much exercise do I do in a week?        |
| classroom?                                 | Pattern Seeking                               | Pattern Seeking                             |
| Identifying, grouping and classifying      | Do larger flowers have more petals?           | Is there a pattern between what we eat for  |
| Can you identify all the colours of light  | Identifying, grouping and classifying         | breakfast and how fast we can run?          |
| that make white light when mixed           | How would you make a classification key for   | Identifying, grouping and classifying       |
| together? What colours do you get if you   | vertebrates/ invertebrates or microorganisms? | Which organs of the body make up the        |
| mix different colours of light together?   | Scientific Discovery                          | circulatory system and where are they       |
| Scientific Discovery                       | How did Carl Linneaus ideas help us to group  | found?                                      |
| What is 'Vantablack'?                      | plants?                                       | Evolution and inheritance                   |
| Electricity                                |   | Comparative / fair testing                  |
| Comparative / fair testing                 |   | What is the most common eye colour in our   |
| Which type of fruit makes the best fruity  |   | class?                                      |
| battery?                                   |   | Research                                    |
| How does the voltage of the batteries in a |   | What happened when Charles Darwin visited   |
| circuit affect the brightness of the lamp? |   | the Galapagos islands?                      |
| How does the voltage of the batteries in a |   | Observation over time                       |
| circuit affect the volume of the buzzer?   |   | How do different animal embryos change?     |
| Research                                   |   | Pattern Seeking                             |
| How has our understanding of electricity   |   | Is there a pattern between the size and     |
| changed over time?                         |   | shape of a bird's beak and the food it will |
| How have batteries changed over time?      |   | eat?  |
| Observation over time                      |   | Identifying, grouping and classifying       |
| Does the temperature of a light bulb go    |   | Compare the skeletons of apes, humans, and  |
| up the longer it is on?                    |   | Neanderthals – how are they similar, and    |
| Which brand of battery lasts the longest?  |   | how are they different?                     |
| Identifying, grouping and classifying      |   | Can you classify these observations into    |
| How would you group electrical             |   | evidence for the idea of evolution, and     |
| components and appliances based on         |   | evidence against?                           |
| what electricity makes them do?            |   | Scientific Discovery                        |
|  |   | What ideas did Charles Darwin have about    |
|  |   | evolution?                                  |
|  |   |   |

| A.R.E. / skills<br>progression<br>(possible<br>evidence) | <ul> <li>Light <ul> <li>Can describe, with diagrams or models as appropriate, how light travels in straight lines either from sources or reflected from other objects into our eyes</li> <li>Can describe, with diagrams or models as appropriate, how light travels in straight lines past translucent or opaque objects to form a shadow of the same shape</li> <li>Can explain how evidence from enquiries shows that light travels in straight lines</li> <li>Can predict and explain, with diagrams or models as appropriate, how the path of light rays can be directed by reflection to be seen, e.g. the reflection in car rear view mirrors or in a periscope</li> <li>Can predict and explain, with diagrams or models as appropriate, how the shape of shadows can be varied</li> </ul> </li> </ul> | <ul> <li>Living things and their habitats</li> <li>Can give examples of animals in the five vertebrate groups and some of the invertebrate groups</li> <li>Can give the key characteristics of the five vertebrate groups and some invertebrate groups</li> <li>Can compare the characteristics of animals in different groups</li> <li>Can use classification materials to identify unknown plants and animals</li> <li>Can create classification keys for plants and animals</li> <li>Can give a number of characteristics that explain why an animal belongs to a particular group</li> </ul> | <ul> <li>Animals, including humans         <ul> <li>Can draw a diagram of the circulatory system and label the parts and annotate it to show what the parts do</li> <li>Produces a piece of writing that demonstrates the key knowledge e.g. explanation text, job description of the heart</li> <li>Use the role play model to explain the main parts of the circulatory system and their role</li> <li>Can use subject knowledge about the heart whilst writing conclusions for investigations</li> <li>Can explain both the positive and negative effects of diet, exercise, drugs and lifestyle on the body</li> <li>Present information e.g. in a health leaflet describing impact of drugs and lifestyle on the body</li> </ul> </li> <li>Evolution and inheritance         <ul> <li>Can explain the process of evolution</li> <li>Can give examples of how plants and animals are suited to an environment</li> <li>Can give examples of how an animal or</li> </ul> </li> </ul> |
|--|--|--|---|
| progression<br>(possible                                 | <ul> <li>straight lines</li> <li>Can predict and explain, with diagrams or models as appropriate, how the path of light rays can be directed by reflection to be seen, e.g. the reflection in car rear view mirrors or in a periscope</li> <li>Can predict and explain, with diagrams or models as appropriate, how the shape</li> </ul>   | <ul><li>animals</li><li>Can give a number of characteristics that</li><li>explain why an animal belongs to a particular</li></ul>  | effects of diet, exercise, drugs and lifestyle<br>on the body<br>• Present information e.g. in a health leaflet<br>describing impact of drugs and lifestyle on<br>the body<br><b>Evolution and inheritance</b><br>• Can explain the process of evolution<br>• Can give examples of how plants and   |
|  | <ul> <li>Electricity</li> <li>Can make electric circuits and<br/>demonstrate how variation in the<br/>working of particular components, such<br/>as the brightness of bulbs, can be<br/>changed by increasing or decreasing the<br/>number of cells or using cells of different<br/>voltages</li> <li>Can draw circuit diagrams of a range of<br/>simple series circuits using recognised<br/>symbols</li> </ul>   |  |   |

|  | <ul> <li>Can incorporate a stoturn it on and off</li> <li>Can change cells ar circuit to achieve a spectrum of a communicate studies and communicate studies and communicate studies and communicate studies and communicate studies are studies and communicate studies and communicate studies are studies and communicate studies are studies and communicate studies are studies and communicate studies and communicate studies are studies and communicate studies are studies and communicate studies are studies are studies are studies are studies and communicate studies are s</li></ul> | nd components in a<br>pecific effect<br>structures of circuits<br>is with recognised<br>measure brightness<br>otors, volume of a  |   | <ul> <li>Can identify character plant or animal suited particular habitat</li> <li>Can link the patterns real examples</li> <li>Can explain why the the peppered moth ch short period of time</li> </ul>                 | seen in the model to<br>dominant colour of  |
|--|--|---|---|--|---|
| Prior<br>knowledge<br>check<br>Concept<br>questions<br>Drake ><br>CURRICULUM DEV<br>> Science ><br>2024/25> Concept<br>questions<br>Flashback<br>questions<br>Drake ><br>CURRICULUM DEV<br>> Science ><br>2024/25><br>Flashback<br>questions | Concept<br>Questions- Light:<br>1 <sup>st</sup> lesson of the<br>unit: Concept<br>questions-<br>evidence in books.<br>Flashback<br>Questions:<br>Every lesson- begin<br>with 3 flashback<br>questions-<br>evidence in books.   | Concept<br>Questions-<br>Electricity:<br>1 <sup>st</sup> lesson of the<br>unit: Concept<br>questions-<br>evidence in books.<br>Flashback<br>Questions:<br>Every lesson- begin<br>with 3 flashback<br>questions-<br>evidence in books. | Concept Questions- Habitats:<br>1 <sup>st</sup> lesson of the unit: Concept questions-<br>evidence in books.<br>Flashback Questions:<br>Every lesson- begin with 3 flashback<br>questions- evidence in books. | Concept Questions-<br>Animals:<br>1 <sup>st</sup> lesson of the unit:<br>Concept questions-<br>evidence in books.<br>Flashback Questions:<br>Every lesson- begin<br>with 3 flashback<br>questions- evidence<br>in books. | Concept Questions-<br>Evolution and<br>inheritance:<br>1 <sup>st</sup> lesson of the unit:<br>Concept questions-<br>evidence in books.<br>Flashback Questions:<br>Every lesson- begin<br>with 3 flashback<br>questions- evidence<br>in books. |
| Assessment   | Autumn mid-term Su<br>assessment: Head sta   |   | Spring mid- term Summative assessment:<br>Head start Progress test B  | Summer mid-term Sur<br>Head start Progress te  |   |

| Sanctuary   |  |
|---|--|
| Working Scientifically: Enquiry,<br>variables, controlling variables,<br>independent variable (what you change),<br>dependant variable (what is being<br>tested), evidence, justify, accuracy,<br>precision, repeat readings, scientific<br>diagrams, classification keys, tables,<br>scatter graphs, bar graphs, line graphs,<br>argument (science), causal relationship,<br>prediction, explanation | Worki<br>contro<br>(what<br>is beir<br>precis<br>diagra<br>graph<br>(scien<br>explar |
| <b>Light:</b> light sources, travel, straight lines,<br>light rays, Ultraviolet light, eye,<br>periscope, focus, pupil (eye), retina, lens,<br>reflection, shadow, refraction, rainbow,<br>splitting light  | Living<br>classif<br>differe<br>group<br>vertek                                      |
| <b>Electricity:</b> brightness, lamp, light bulb,<br>volume, buzzer, switch, voltage, current,<br>components, circuit symbol, circuit<br>diagram, series circuit, simple circuit,<br>parallel circuit, resistance, cell, battery,<br>bulb, buzzer, motor, switch, circuit<br>diagram  |  |
| N.B. Children do not need to understand   |  |

N.B. Children do not need to understand what voltage is, but will use volts and Adversity

Working Scientifically: Enquiry, variables, controlling variables, independent variable (what you change), dependant variable (what is being tested), evidence, justify, accuracy, precision, repeat readings, scientific diagrams, classification keys, tables, scatter graphs, bar graphs, line graphs, argument (science), causal relationship, prediction, explanation

## Living things and their habitats:

classification, characteristic, similarities, differences, microorganisms, organisms, groups, classification systems, invertebrates, vertebrates, exoskeleton, classification key

#### Evolution



Working Scientifically: Enquiry, variables, controlling variables, independent variable (what you change), dependant variable (what is being tested), evidence, justify, accuracy, precision, repeat readings, scientific diagrams, classification keys, tables, scatter graphs, bar graphs, line graphs, argument (science), causal relationship, prediction, explanation

Animals, including humans: circulatory system, heart, pulse, rate, pumps, blood, blood vessels, lungs, blood vessels, lifestyle, disease, water transportation, nutrient transportation, oxygen, carbon dioxide, air, breathing, exercise, diet, drugs, nutrients, water, skeletal system, muscular system, digestive system

**Evolution and inheritance:** fossil, millions of years, offspring, identical, evolution, evolve, adaptation, environment, variation, vary, inherit, inheritance, geologic time, sexual reproduction, characteristics, suited, adapted, species, fossil

## YEAR 6

## Vocabulary

|                | voltage to describe different batteries.                |  |  |
|----------------|---|--|--|
|                | The words "cells" and "batteries" are                   |  |  |
|                | now used interchangeably.                               |  |  |
|                | Knowledge: understand that                              |  |  |
|                | I wonder if   |  |  |
|                |   |  |  |
|                | The picture reminds me of<br>The most important idea is |  |  |
|                | An example ofis   |  |  |
|                | I already know that                                     |  |  |
|                | A type ofis   |  |  |
|                | Ais different from abecause                             |  |  |
|                | is the same asbecause they both                         |  |  |
|                | andboth have  |  |  |
|                | The science term that describesis                       |  |  |
|                | The word I am thinking of is like                       |  |  |
| Sentence Stems |   |  |  |
|                | Working scientifically: First, I need to find out       |  |  |
|                | I sawwhich made me think                                |  |  |
|                | I think this was caused by<br>It would be easier if     |  |  |
|                | How would I be able to check?                           |  |  |
|                | I predict thatbecause                                   |  |  |
|                | I thinkbecause  |  |  |
|                | This happened because                                   |  |  |
|                | I will test my prediction by                            |  |  |
|                | I have reached the conclusion that                      |  |  |
|                | My observations show that                               |  |  |
|                | There is a patternIt shows that                         |  |  |
|                | was caused by   |  |  |
|                | If my hypothesis is correct, then                       |  |  |