



HAWRIDGE & CHOLESBURY CHURCH OF ENGLAND SCHOOL

## **Science Long Term Overview**

| Year  | Autumn 1                 | Autumn 2                | Spring 1                            | Spring 2                     | Summer 1                            | Summer 2              |
|-------|--------------------------|-------------------------|-------------------------------------|------------------------------|-------------------------------------|-----------------------|
| Group |                          |                         |                                     |                              |                                     |                       |
| W     | The Wombles of           | Make a difference E H-  | The Wombles of Windmills            | Make a difference E H-       | The Wombles of                      | Make a difference E   |
|       | Windmills E- recycling   | create book of change – | E– litter picking and bug           | Making the change – work     | Windmills E- Looking                | H – checking the      |
|       | and litter picking       | what could we           | hotel and wormery.                  | on the change in groups as   | after plants and plant              | change –              |
|       |                          | improve/change in our   | Introduce monitors to               | a whole class                | sale.                               | Weekly Forest         |
|       | The Natural World        | school grounds?         | water vegetables/plants etc         | Weekly Forest School         |                                     | School sessions       |
|       | F Exploring bread, fruit | Weekly Forest School    |                                     | sessions Name it – 5         | <mark>Curriculum Flashback –</mark> | Name it – 5 plants    |
|       | and vegetables           | sessions                |                                     | animals                      | EYFS – The Wombles Of               |                       |
|       | F Exploring herbs in     | Name it – 5 trees       | <mark>Curriculum Flashback –</mark> | The Natural World            | Windmills.                          | The Natural World     |
|       | garden and making        |                         | <mark>EYFS – The Wombles Of</mark>  | Spring changes – nature      |                                     | Exploring Snails      |
|       | mixtures                 | The Natural World       | Windmills.                          | walks and looking at         | The Natural World                   | Butterflies and mini- |
|       |                          | Animals that Hibernate  |                                     | changes in the Windmills     | Exploring building                  | beasts 😤              |
|       |                          | Autumn and Winter       | The Natural World                   | garden 🕈 F                   | materials – straw, sticks           | Life cycle of a       |
|       |                          | changes 📌 F             | Outer Space – naming                | Owls and garden birds        | and bricks F                        | · 👝                   |
|       |                          |                         | planets and exploring               |                              | Finding out about animals           | Butterfly <b>S</b>    |
|       |                          |                         | differences between the             | Making bird feeders <b>R</b> | homes around our school             |                       |
|       |                          |                         | planets and earth.                  | Exploring colour and         |                                     |                       |
|       |                          |                         | Crater experiments F                | features in the              | Curriculum Flashback –              |                       |
|       |                          |                         | Making rockets move –               | environment F                | EYFS – The Natural                  |                       |
|       |                          |                         | launching our rockets               | 'Wow said the owl' 🛣         |                                     |                       |
|       |                          |                         | Winter changes/ice and              |                              | World.                              |                       |
|       |                          |                         | snow                                |                              |                                     |                       |

| Year 1 | <ul> <li>Seasonal Changes         <ul> <li>To observe<br/>changes across<br/>the 4 seasons</li> <li>To observe and<br/>describe weather<br/>associated with<br/>the seasons and<br/>how day length<br/>varies</li> </ul> </li> <li>R, E – going on<br/>an autumn walk around<br/>the school grounds and<br/>learning how to look after<br/>our local environment</li> <li>S – learning to be<br/>thankful for the natural<br/>world</li> <li>Curriculum Flashback –<br/>EYFS – The Natural World<br/>(Spring Changes)</li> </ul> | <ul> <li>Everyday Materials</li> <li>To distinguish<br/>between an object<br/>and the material<br/>from which it is<br/>made</li> <li>To identify and<br/>name a variety of<br/>everyday materials,<br/>including wood,<br/>plastic, glass, metal,<br/>water, and rock</li> <li>To describe the<br/>simple physical<br/>properties of a<br/>variety of everyday<br/>materials</li> <li>To compare and<br/>group together a<br/>variety of everyday<br/>materials on the<br/>basis of their simple<br/>physical properties</li> <li>Performing a<br/>simple test to find out</li> </ul> | Seasonal Changes         • To continue to         observe changes across the         4 seasons         R, E – going on a spring         walk around the school         grounds and learning how         to look after our local         environment         S – learning to be thankful         for the natural world         Curriculum Flashback – Yr 1         – Seasonal Changes         Animals         • To identify and         name a variety of common         animals including fish,         amphibians, reptiles, birds         and mammals         • To identify and         name a variety of common         animals that are carnivores,         herbivores and omnivores         • To describe and | <ul> <li>Plants</li> <li>To identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</li> <li>To identify and describe the basic structure of a variety of common flowering plants, including trees</li> <li>▶ F, E - use the local environment throughout the year to explore and answer questions about plants growing in their habitat, grow beans (linked to 'Jack and the Beanstalk') and observe the growth of the beans</li> <li>Curriculum Flashback – EYFS – The Wombles Of Windmills (Plants)</li> </ul> | <ul> <li>Seasonal Changes         <ul> <li>To name the four seasons.</li> <li>To name different types of weather.</li> <li>To make observations about the weather.</li> <li>To describe the weather associated with each season.</li> <li>To collect and record simple data.</li> <li>To make simple observations about changes across the seasons.</li> <li>To name an event or occasion which happens in each season.</li> <li>To describe how day length varies between two seasons</li> </ul> </li> </ul> | Animals, including<br><u>humans</u> <ul> <li>To identify,<br/>name, draw and<br/>label the basic<br/>parts of the<br/>human body</li> <li>To say which<br/>part of the body<br/>is associated<br/>with each sense</li> </ul> <li>✓ F - testing<br/>their senses through<br/>a range of practical<br/>challenges</li> |
|--------|--|--|--|---|---|--|
|        | EYFS – The Natural World   | materials on the<br>basis of their simple<br>physical properties<br>Performing a   | <ul> <li>and mammals</li> <li>To identify and</li> <li>name a variety of common animals that are carnivores, herbivores and omnivores</li> </ul>   | the beans<br>Curriculum Flashback –<br>EYFS – The Wombles Of  | <ul> <li>season.</li> <li>To describe how day length varies between two seasons</li> <li>R, E – going on a</li> </ul>   |  |

| Year 2 | Uses of everyday   | materials)<br>Scientists and Inventors  | Curriculum Flashback –<br>EYFS – The Natural World<br>(Nocturnal animals, owls,<br>minibeasts)<br>Living things and their  | Animals, including   | Curriculum Flashback – Yr<br>1 – Seasonal Changes<br>Plants  |
|--------|--|---|--|--|--|
| rear z | materials  | Learning about different  | habitats   | humans   |  |
|        | <ul> <li>To identify and<br/>compare the<br/>suitability of a variety<br/>of everyday<br/>materials, including<br/>wood, metal, plastic,<br/>glass, brick, rock,<br/>paper and cardboard<br/>for particular uses</li> <li>To find out how the<br/>shapes of solid<br/>objects made from<br/>some materials can<br/>be changed by<br/>squashing, bending,<br/>twisting and<br/>stretching</li> <li>Curriculum Flashback –<br/>EYFS – The Natural World<br/>(Building materials)</li> <li>Curriculum Flashback – Yr</li> </ul> | and inventors and the<br>impact on life today.<br><i>H-</i> Understanding<br>the important<br>role scientists<br>play in our<br>everyday lives<br>and how one<br>aspirational<br>person can<br>make a huge<br>difference. | <ul> <li>To explore and<br/>compare the<br/>differences between<br/>things that are living,<br/>dead, and things that<br/>have never been alive</li> <li>To identify that most<br/>living things live in<br/>habitats to which they<br/>are suited and describe<br/>how different habitats<br/>provide for the basic<br/>needs of different<br/>kinds of animals and<br/>plants, and how they<br/>depend on each other</li> <li>To identify and name a<br/>variety of plants and<br/>animals in their<br/>habitats, including<br/>microhabitats</li> <li>To describe how<br/>animals obtain their<br/>food from plants and<br/>other animals, using</li> </ul> | <ul> <li>To notice that animals,<br/>including humans,<br/>have offspring which<br/>grow into adults</li> <li>To find out about and<br/>describe the basic<br/>needs of animals,<br/>including humans, for<br/>survival (water, food<br/>and air)</li> <li>To describe the<br/>importance for humans of<br/>exercise, eating the right<br/>amounts of different types<br/>of food, and hygiene.</li> <li>Curriculum Flashback – Yr<br/>2 – Animals Including<br/>Humans</li> </ul> | <ul> <li>To observe and<br/>describe how seeds<br/>and bulbs grow into<br/>mature plants</li> <li>To find out and describe<br/>how plants need water,<br/>light and a suitable<br/>temperature to grow and<br/>stay healthy.</li> <li>Curriculum Flashback –<br/>EYFS – The Wombles Of<br/>Windmills (Plants)</li> <li>Curriculum Flashback – Yr<br/>1 - Plants</li> </ul> |

|        | <mark>1 – Everday Materials</mark>  |  | the idea of a simple<br>food chain, and<br>identify and name<br>different sources of<br>food<br>Curriculum Flashback –<br>EYFS – The Natural World<br>(Nocturnal animals, owls,<br>minibeasts)<br>Curriculum Flashback – Yr 1<br>- Animals   |  |  |  |
|--------|---|--|--|--|--|--|
| Year 3 | <ul><li><u>Rocks and Soils</u></li><li>To compare and</li></ul>   | Animals including<br>humans  | <ul> <li>Forces and Magnets</li> <li>To compare how things</li> </ul>  | Famous Scientists<br>Marie Curie   | <ul> <li>Plants</li> <li>To identify and</li> </ul>  | <ul> <li>Light and shadows</li> <li>To recognise</li> </ul>  |
|        | <ul> <li>To compare and<br/>group together<br/>different kinds of<br/>rocks on the basis of<br/>their appearance and<br/>simple physical<br/>properties</li> <li>To describe in simple<br/>terms how fossils are<br/>formed when things<br/>that have lived are<br/>trapped within rock</li> <li>To recognise that<br/>soils are made from<br/>rocks and organic<br/>matter</li> <li>To group and classify</li> </ul> | <ul> <li>To identify that<br/>animals, including<br/>humans, need the<br/>right types and<br/>amount of nutrition,<br/>and that they<br/>cannot make their<br/>own food; they get<br/>nutrition from what<br/>they eat</li> <li>To identify that<br/>humans and some<br/>other animals have<br/>skeletons and<br/>muscles for support,<br/>protection and</li> </ul> | <ul> <li>To compare now timings move on different surfaces</li> <li>To notice that some forces need contact between 2 objects, but magnetic forces can act at a distance</li> <li>To observe how magnets attract or repel each other and attract some materials and not others</li> <li>To compare and group together a variety of everyday materials on the basis of whether</li> </ul> | <ul> <li>To identify changes<br/>related to scientific<br/>ideas by describing<br/>Marie Curie's research<br/>into x-rays.</li> <li>To identify that<br/>humans have<br/>skeletons for support,<br/>protection and<br/>movement by<br/>identifying and<br/>explaining the bones<br/>shown in x-rays.</li> <li>Curriculum Flashback – Yr<br/>1 – Animals Including</li> </ul> | <ul> <li>To identify and<br/>describe the<br/>functions of different<br/>parts of flowering<br/>plants: roots,<br/>stem/trunk, leaves<br/>and flowers</li> <li>To explore the<br/>requirements of<br/>plants for life and<br/>growth (air, light,<br/>water, nutrients from<br/>soil, and room to<br/>grow) and how they<br/>vary from plant to<br/>plant</li> <li>To investigate the</li> </ul> | <ul> <li>To recognise<br/>that they need<br/>light in order to<br/>see things and<br/>that dark is the<br/>absence of light</li> <li>To notice that<br/>light is reflected<br/>from surfaces</li> <li>To recognise<br/>that light from<br/>the sun can be<br/>dangerous and<br/>that there are<br/>ways to protect<br/>their eyes</li> <li>To recognise</li> </ul> |

| Year 4 Living Things and Their Listates of Matter Listing Council Animals Including humans Lifectricity | Year 4 | <ul> <li>different rocks and soils</li> <li>To testing durability, density and permeability of rocks</li> <li>To test the permeability of different soilstesting</li> <li>F - trip to Tring museum of natural history to be fossil detectives</li> <li>F - handling real life fossil collection</li> </ul> | E – link to school meals<br>and menus, bread-<br>making (links to DT)<br>Curriculum Flashback –<br>EYFS – The Natural<br>World (Nocturnal<br>animals, owls,<br>minibeasts)<br>Curriculum Flashback –<br>Yr 1 - Animals<br>Curriculum Flashback –<br>Yr 2 – Animals Including<br>Humans | <ul> <li>they are attracted to a magnet, and identify some magnetic materials</li> <li>To describe magnets as having 2 poles</li> <li>To predict whether 2 magnets will attract or repel each other, depending on which poles are facing</li> </ul> | Humans<br>Curriculum Flashback – Yr<br>2 – Animals Including<br>Humans<br>George Washington<br>Carver<br>• To explore the<br>requirements of plants<br>for life and growth (air,<br>light, water, nutrients<br>from soil, and room to<br>grow) and how they<br>vary from plant to<br>plant.<br>• To identify changes<br>related to scientific<br>ideas by describing the<br>achievements of<br>George Washington<br>Carver.<br>Curriculum Flashback –<br>EYFS – The Wombles Of<br>Windmills (Plants)<br>Curriculum Flashback – Yr<br>1 – Plants<br>Curriculum Flashback – Yr<br>2 – Plants | <ul> <li>way in which water is<br/>transported within<br/>plants</li> <li>To explore the part<br/>that flowers play in<br/>the life cycle of<br/>flowering plants,<br/>including pollination,<br/>seed formation and<br/>seed dispersal</li> <li>Curriculum Flashback –<br/>EYFS – The Wombles Of<br/>Windmills (Plants)</li> <li>Curriculum Flashback – Yr<br/>1 – Plants</li> <li>Curriculum Flashback – Yr<br/>2 - Plants</li> </ul> | that shadows are<br>formed when<br>the light from a<br>light source is<br>blocked by an<br>opaque object<br>• To find patterns<br>in the way that<br>the size of<br>shadows change |
|---|--------|--|--|---|--|---|--|
|---|--------|--|--|---|--|---|--|

| Habitats                               | Comparing and                         | <ul> <li>Investigate</li> </ul>      | <ul> <li>To identify and</li> </ul>    | Identify appliance                   |  |
|--|---------------------------------------|--------------------------------------|--|--------------------------------------|--|
| Identify different                     | grouping different                    | different types of                   | classify carnivores,                   | that use electricity                 |  |
| animals habitats                       | materials together.                   | sound.                               | herbivores and                         | Exploring                            |  |
| F- Walk around                         | F, R, H- Identified                   | F- Walk around the                   | omnivores.                             | conductor and                        |  |
| the school                             | materials from                        | school grounds                       | <ul> <li>To create a food</li> </ul>   | insulators                           |  |
| grounds using an                       | around the school                     | recording the                        | chain.                                 | <ul> <li>Investigating an</li> </ul> |  |
| IPAD to take                           | grounds and take                      | different sounds                     | <ul> <li>Investigate the</li> </ul>    | electric circuit                     |  |
| pictures of                            | pictures of different                 | we heard.                            | role of human teeth.                   | F- create an                         |  |
| different                              | states of matter.                     | <ul> <li>To explain how</li> </ul>   | <ul> <li>Explore ways to</li> </ul>    | electric circuit                     |  |
| habitats.                              | <ul> <li>Identify solid,</li> </ul>   | sound travels.                       | keep our teeth                         | using a variety of                   |  |
| <ul> <li>Classifying</li> </ul>        | liquid and gases                      | F, R- Observing and                  | healthy.                               | components                           |  |
| animals using                          | using their                           | evaluating sound                     | <ul> <li>Investigate how</li> </ul>    |                                      |  |
| classification systems                 | properties to group                   | traveling through                    | the digestive system                   |                                      |  |
| <ul> <li>Classifying plants</li> </ul> | them.                                 | different materials.                 | works.                                 |                                      |  |
| <b>F, S</b> - Walk to the              | <ul> <li>Observing</li> </ul>         |                                      |  |                                      |  |
| common and                             | material changes                      | <ul> <li>Measuring sounds</li> </ul> | <mark>Curriculum Flashback –</mark>    |                                      |  |
| sketch different                       | state of matter.                      | using a sound level                  | EYFS – The Natural World               |                                      |  |
| living plant                           | F, R, H- Observing                    | monitor.                             | (Nocturnal animals, owls,              |                                      |  |
| (Linked to Art)                        | over time the                         |                                      | minibeasts)                            |                                      |  |
|  | change of water                       |                                      | minocusicsy                            |                                      |  |
| <mark>Curriculum Flashback –</mark>    | melting and                           |                                      | <mark>Curriculum Flashback – Yr</mark> |                                      |  |
| EYFS – The Natural World               | freezing points.                      |                                      | 1 - Animals                            |                                      |  |
| (Nocturnal animals, owls,              | Identify the                          |                                      | <b>1</b> / <b>1</b> / <b>1</b>         |                                      |  |
| minibeasts)                            | water cycle.                          |                                      | <mark>Curriculum Flashback – Yr</mark> |                                      |  |
|  |                                       |                                      | 2 – Animals Including                  |                                      |  |
| <mark>Curriculum Flashback – Yr</mark> | Curriculum Flashback –                |                                      | Humans                                 |                                      |  |
| <mark>1 - Animals</mark>               | EYFS – The Natural                    |                                      |  |                                      |  |
|  | World (Building                       |                                      | <mark>Curriculum Flashback – Yr</mark> |                                      |  |
| Curriculum Flashback – Yr              | materials)                            |                                      | 3 – Animals Including                  |                                      |  |
| <mark>2 – Animals Including</mark>     |                                       |                                      | Humans                                 |                                      |  |
| Humans                                 | <mark>Curriculum Flashback –</mark>   |                                      |  |                                      |  |
|  | <mark>Yr 1 – Everday Materials</mark> |                                      | <mark>Curriculum Flashback – Yr</mark> |                                      |  |
|  | <mark>Curriculum Flashback –</mark>   |                                      |  |                                      |  |

|        | Curriculum Flashback – Yr<br><mark>3 – Animals Including</mark><br>Humans  | <mark>Yr 2 – Uses Of Everday</mark><br>Materials  |  | <mark>4 – Living Things &amp; Their</mark><br>Habitats |   |   |
|--------|--|---|--|--|---|---|
| Year 5 | Earth and Space  | Forces  | Properties and Changes in  |  | Living things and their   | Scientists and  |
|        | <ul> <li>To explain why we know the Sun, Earth and Moon are spherical</li> <li>To name and describe features of the planets in our solar system and order the planets in our solar system.</li> <li>R – act out the position of the planets in the solar system and how they move around the sun R – to create pastel representations of the planets</li> <li>To explain day and night and the apparent movement of the sun across the sky</li> <li>To investigate night and day in different parts of the Earth.</li> </ul> | <ul> <li>To identify<br/>forces acting on<br/>objects</li> <li>To explore the<br/>effect gravity has on<br/>objects and how<br/>gravity was<br/>discovered</li> <li>To investigate<br/>the effects of air<br/>resistance</li> <li>F - design, build<br/>and test<br/>parachutes</li> <li>To explore the<br/>effects of water<br/>resistance.</li> <li>To investigate<br/>the effects of<br/>friction</li> <li>To explore and<br/>design mechanisms</li> <li>Curriculum Flashback -<br/>Yr 3 - Forces &amp; Magnets</li> </ul> | Materials         • To test, describe<br>and explain the<br>properties of different<br>materials         F - test different<br>materials         • To investigate<br>materials which<br>insulate and conduct<br>heat         • To investigate<br>which solids will<br>dissolve in a liquid         • To investigate<br>which metals are the<br>best conductors         • To investigate<br>which metals are the<br>best conductors         • To investigate<br>which metals are the<br>best conductors         • To investigate how<br>to separate different<br>materials         Curriculum Flashback –<br>EYFS – The Natural World<br>(Building materials)         Curriculum Flashback – Yr 1<br>– Everday Materials         Curriculum Flashback – Yr 1<br>– Everday Materials |  | <ul> <li>habitats         <ul> <li>To understand<br/>how plants<br/>reproduce</li> <li>F - dissect a<br/>flower to discover<br/>all the parts that<br/>help in<br/>reproduction</li> <li>S - to deadhead<br/>flowers in the<br/>school grounds</li> </ul> </li> <li>To create cuttings<br/>from a plant to<br/>demonstrate asexual<br/>reproduction         <ul> <li>To create cuttings<br/>from a plant to<br/>demonstrate asexual<br/>reproduction</li> <li>To describe the<br/>life cycles of<br/>mammals</li> <li>To research Jane<br/>Goodall</li> <li>To describe the<br/>differences in the life<br/>cycles of a mammal,<br/>an amphibian, an<br/>insect and a bird</li> </ul> </li> </ul> | <ul> <li>Inventors</li> <li>To research the life of David Attenborough</li> <li>To use chromatography to separate mixtures</li> <li>To research Margaret Hamilton's life and work</li> <li>To explore the sizes, surfaces and orbits of planets in our solar system</li> <li>To describe Eva Crane and her work with bees</li> <li>To use the work of Leonardo Da Vinci to help carry out an enquiry</li> </ul> |

|        | R – to use atlas<br>skills to locate<br>countries in<br>different time<br>zones<br>• To describe the<br>movement of the<br>moon<br>Curriculum Flashback –<br>EYFS – Outer Space<br>Curriculum Flashback –<br>EYFS – The Natural World<br>(Spring Changes)<br>Curriculum Flashback – Yr<br>1 – Seasonal Changes |  | – Uses Of Everday Materials<br>Curriculum Flashback – Yr 4<br>– States Of Matter   |   | Curriculum Flashback –<br>EYFS – The Natural World<br>(Nocturnal animals, owls,<br>minibeasts)<br>Curriculum Flashback – Yr<br>1 - Animals<br>Curriculum Flashback – Yr<br>2 – Animals Including<br>Humans<br>Curriculum Flashback – Yr<br>3 – Animals Including<br>Humans<br>Curriculum Flashback – Yr<br>4 – Living Things & Their<br>Habitats |   |
|--------|--|--|--|---|--|---|
| Year 6 | Micro-organisms  | Light  | Animals including humans   | Living things and their   | Evolution and  | Light   |
|        | <ul> <li>To describe the<br/>differences in the life<br/>cycles of a mammal,<br/>an amphibian, an<br/>insect and a bird</li> <li>To describe the life<br/>process of<br/>reproduction in some<br/>plants and animals</li> <li>To describe how<br/>living things are<br/>classified into broad</li> </ul>       | <ul> <li>To recognise that<br/>light appears to<br/>travel in straight<br/>lines</li> <li>To use the idea that<br/>light travels in<br/>straight lines to<br/>explain that objects<br/>are seen because<br/>they give out or<br/>reflect light into the<br/>eye</li> </ul> | <ul> <li>To identify and name<br/>the main parts of the<br/>human circulatory<br/>system, and describe<br/>the functions of the<br/>heart, blood vessels<br/>and blood</li> <li>To recognise the impact<br/>of diet, exercise, drugs<br/>and lifestyle on the way<br/>their bodies function</li> </ul> | <ul> <li>habitats</li> <li>To describe how living<br/>things are classified<br/>into broad groups<br/>according to common<br/>observable<br/>characteristics and<br/>based on similarities<br/>and differences,<br/>including micro-<br/>organisms, plants and</li> </ul> | <ul> <li>To recognise that<br/>living things have<br/>changed over time<br/>and that fossils<br/>provide information<br/>about living things<br/>that inhabited the<br/>Earth millions of<br/>years ago</li> <li>To recognise that</li> </ul>  | <ul> <li>To recognise<br/>that light<br/>appears to travel<br/>in straight lines</li> <li>To use the idea<br/>that light travels<br/>in straight lines<br/>to explain that<br/>objects are seen<br/>because they<br/>give out or</li> </ul> |

|   |  |   | -   |   |   |
|---|--|---|---|---|---|
| <ul> <li>groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals</li> <li>To give reasons for classifying plants and animals based on specific characteristics</li> <li>Curriculum Flashback – EYFS – The Natural World (Nocturnal animals, owls, minibeasts)</li> <li>Curriculum Flashback – Yr 1 - Animals</li> <li>Curriculum Flashback – Yr 2 – Animals Including Humans</li> <li>Curriculum Flashback – Yr 3 – Animals Including Humans</li> <li>Curriculum Flashback – Yr 4 – Living Things &amp; Their</li> </ul> | <ul> <li>To 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>To use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.</li> <li>F - exploring nature using periscopes</li> <li>Curriculum Flashback - Yr 3 - Light</li> </ul> | <ul> <li>To describe the ways in which nutrients and water are transported within animals, including humans</li> <li>Curriculum Flashback – EYFS – The Natural World (Nocturnal animals, owls, minibeasts)</li> <li>Curriculum Flashback – Yr 1         <ul> <li>Animals</li> <li>Curriculum Flashback – Yr 1</li> <li>Animals</li> </ul> </li> <li>Curriculum Flashback – Yr 1         <ul> <li>Animals</li> </ul> </li> <li>Curriculum Flashback – Yr 2             <ul> <li>Animals</li> </ul> </li> <li>Curriculum Flashback – Yr 3             <ul> <li>Animals Including Humans</li> </ul> </li> <li>Curriculum Flashback – Yr 3         <ul> <li>Animals Including Humans</li> </ul> </li> <li>Curriculum Flashback – Yr 4         <ul> <li>Living Things &amp; Their Habitats</li> </ul> </li> <li>Curriculum Flashback – Yr 5         <ul> <li>Living Things &amp; Their Habitats</li> </ul> </li> </ul> | <ul> <li>animals</li> <li>To give reasons for<br/>classifying plants and<br/>animals based on<br/>specific characteristics</li> <li>Curriculum Flashback –<br/>EYFS – The Natural World<br/>(Nocturnal animals, owls,<br/>minibeasts)</li> <li>Curriculum Flashback – Yr<br/>1 - Animals</li> <li>Curriculum Flashback – Yr<br/>2 – Animals Including<br/>Humans</li> <li>Curriculum Flashback – Yr<br/>3 – Animals Including<br/>Humans</li> <li>Curriculum Flashback – Yr<br/>4 – Living Things &amp; Their<br/>Habitats</li> <li>Curriculum Flashback – Yr<br/>5 – Living Things &amp; Their<br/>Habitats</li> </ul> | living things produce<br>offspring of the same<br>kind, but normally<br>offspring vary and are<br>not identical to their<br>parents<br>• To identify how<br>animals and plants<br>are adapted to suit<br>their environment in<br>different ways and<br>that adaptation may<br>lead to evolution<br>Curriculum Flashback –<br>EYFS – The Natural World<br>(Animals that hibernate)<br>Curriculum Flashback – Yr<br>2 – Living Things & Their<br>Habitats | reflect light into<br>the eye<br>To explain that<br>we see things<br>because light<br>travels from light<br>sources to our<br>eyes or from<br>light sources to<br>objects and then<br>to our eyes<br>To use the idea<br>that light travels<br>in straight lines<br>to explain why<br>shadows have<br>the same shape<br>as the objects<br>that cast them<br>Curriculum Flashback<br>– Yr 3 - Light |

| Habitats                                   |  |  |
|--|--|--|
|  |  |  |
| <mark>Curriculum Flashback – Yr</mark>     |  |  |
| <mark>5 – Living Things &amp; Their</mark> |  |  |
| Habitats                                   |  |  |

## **CLEAPPS Safety Information:**

How To Do A Risk Assessment https://primary.cleapss.org.uk/Resource/P137-How-to-do-a-risk-assessment.aspx

Safe Heating <a href="https://primary.cleapss.org.uk/Resource/P004-Safe-heating-for-practical-science.aspx">https://primary.cleapss.org.uk/Resource/P004-Safe-heating-for-practical-science.aspx</a>

Dealing With Spills & The Disposal Of Materials <u>https://primary.cleapss.org.uk/Resource/P135-Dealing-with-spills-and-disposal-of-materials-in-primary-activities.aspx</u>

Working Safely Outdoors <a href="https://primary.cleapss.org.uk/Resource/P094-Working-safely-outdoors.aspx">https://primary.cleapss.org.uk/Resource/P094-Working-safely-outdoors.aspx</a>

Gardening https://primary.cleapss.org.uk/Resource/P093-Gardening.aspx

Small Scale Growing <a href="https://primary.cleapss.org.uk/Resource/P121-Small-scale-growing.aspx">https://primary.cleapss.org.uk/Resource/P121-Small-scale-growing.aspx</a>

Incubating, Hatching & Rearing Chicks <a href="https://primary.cleapss.org.uk/Resource/P096-Incubating-hatching-and-rearing-chicks.aspx">https://primary.cleapss.org.uk/Resource/P096-Incubating-hatching-and-rearing-chicks.aspx</a>

The Great Fire Of London <u>https://primary.cleapss.org.uk/Resource/P088-The-Great-Fire-of-London.aspx</u>

Pond Safety <u>https://primary.cleapss.org.uk/Resource/P060-Pond-safety-in-primary-schools.aspx</u>

Magnets <a href="https://primary.cleapss.org.uk/Resource/P167-Magnets-advice-guidance.aspx">https://primary.cleapss.org.uk/Resource/P167-Magnets-advice-guidance.aspx</a>