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| ***Words to know and spell (Tier 2 Vocabulary)*** |
| living | food chain | shelter |
| dead | healthy | environment |
| habitat | conditions | survival |
| food | breathe | have young |
| evergreen | tree | flower |

 ** Flamingos – Science KCV – Living Things and Their Habitats (inc. Plants)**

• Know a rose bush, a sunflower and a dandelion by sight

• Know an oak tree, a birch tree and a horse chestnut tree by sight

• Know that evergreen trees maintain their leaves throughout the year and that deciduous trees shed their leaves in autumn

• Know that living things move, grow, consume nutrients and reproduce; that dead things use to do these things, but no longer do; and that things that never lived have never done these things.

• Know that light is a form of energy

• Know that plants absorb energy from the Sun; that this energy is consumed by herbivorous animals; and that carnivorous animals eat other animals

• Know that the arrows on a food chain show the direction that the energy travels

• Know that polar bears are an example of an animal adapted to its environment – thick fur for warmth and oily paw pads to ensure that they don’t freeze to the ice

• Know that sharks are another example – smooth skin and streamlined shape for quick swimming; and gills for breathing underwater

• Know that woodlice live under logs – an example of a microhabitat - as they need somewhere dark and damp so that they do not dry out

• Know that frogs can live in ponds – an example of a microhabitat - as they water in which to lay their eggs (frogspawn)

***Key facts to learn:***

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| ***Words to understand and spell (Tier 3 Vocabulary)*** |
| **adaptation** | The process of changing to suit different conditions |
| **consumer** | Something that eats something else in a food chain |
| **microhabitat** | A very small specific habitat for animals and plants |
| **predator**  | An animal that hunts, kills and eats other animals |
| **producer** | The plant at the beginning of a food chain |

***Concept check questions. Test yourself:***

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| What is a habitat?What is a microhabitat?How do animals and plants depend on each other?Can an animal or plant adapt to different conditions?What are the primary reasons that impact on where animals choose to live? |
| **Opportunities for Investigation:****Pattern Seeking:** What conditions do woodlice prefer to live in?**Comparative Test:** Do cress seeds grow quicker indoors or outdoors? |
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**Year 1 & 2 – Science – Spring – Heyford Park School**

• Ask simple questions and recognise that they can be answered in different ways.

• Observe closely, using simple equipment

• Perform simple tests

* • Identify and classify
* • Use my observations and ideas to suggest answers to questions

• Gather and record data to help in answering questions

***Key skills to do:***

**Year 5 – Science – Autumn 1 – Heyford Park School**