

Year 1 - Science Knowledge Organiser: Into the Wild



What I already know...

We began our learning about different animals and their habitats in EYFS. We looked at animals that live in the woods and began to understand how animals survive in the woods. Now that we are in Year One we will build on this knowledge and learn about

What I will learn...

- **Invertebrates** is a collective name for animals without vertebrae and **insects** are a subset of that group;
- **Habitat** is the place that plants and animals live. For instance Woodlice like dark and damp habitats, like under rocks and leaves and bark.
- Animals that mostly eat other animals (meat) are **carnivores**. Animals that only eat plants are **herbivores**. **Omnivores** eat both plants and other animals.
- A food chain: shows the story of how plants and animals get their energy. Food chains start with a plant (**producer**), which produces its own food using energy from the sun. A living thing that eats other plants and animals is called a **consumer**.

Key Vocabulary

| | |
|--------------|--|
| Invertebrate | Is a collective name for animals without vertebrae. |
| Vertebrae | The small circular bones that form the spine of a human being or animal. |
| Habitat | Is the place that plants and animals live. |
| Carnivore | An animal that feeds on other animals. |
| Herbivore | An animal that feeds on plants.. |
| Omnivore | An animal or person that eats a variety of food of both plant and animal origin. |
| Food chain | Shows how each living thing gets its food. |
| Consumer | A living thing that eats other plants and animals . |

How to be a Scientist...

Disciplinary Knowledge: skills I will learn:

- To observe plants and animals closely.
 - To identify and classify living things.
- To identify food chains and understand their importance.

Making a difference at The Merton and beyond

As we begin our adventures in Year 1, we will work collaboratively to explore our school grounds, including Bells Wood, the pond, the vegetable garden, the bushes and our vast school field. We will search for insects and start to use our scientific knowledge to help us to identify and classify them. Throughout our safari, as we make our discoveries, we will strive to be respectful to living things and their habitats, including those on land and as well as underwater, whilst enjoying being with nature and the feeling of well-being this gives us. We will begin to realise the interconnectedness of plants and animals as we begin to understand food chains which tell the story of who is eating who. Using all they have learnt from their adventures, children will work together to think about how we can make our school grounds even more inviting to wildlife: building leaf piles, planting bulbs and seeds, making bird feeders and creating wood piles.

