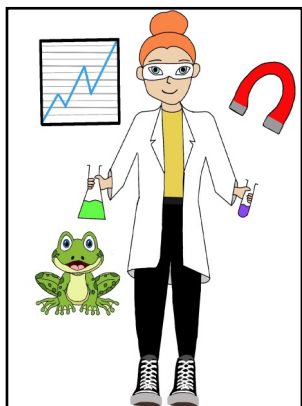




Knowledge Organiser

Year Group:	4	Subject:	Science– Living Things and their habitats	Term:	Autumn 1
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Enquiry Question

What makes living things different?

What should I already know?

- Animals can be grouped into vertebrates (and then further into fish, reptiles, amphibians, birds and mammals) and invertebrates
- Animals can be grouped into carnivores, herbivores and omnivores
- The names of some common wild and garden plants and deciduous and evergreen trees.
- Examples of habitats (including microhabitats) and the animals and plants that can be found there.
- Living things depend on each other to survive.

Concept



Substantive Knowledge (key facts)

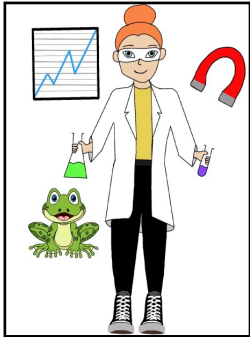
- A classification key is a tool that is used to group living things to help us identify them.
- All living things, which can also be called organisms, have to do certain things to stay alive. These are the life processes.
- Living things can be grouped according to different criteria (where they live, what type of organism they are, what features they have)
- Habitats can change throughout the year and this can have an effect on the plants and animals that live there.

Scientific skills I am practising

- I can gather, record, classify and present information in a variety of different ways to help me answer questions.
- I can identify differences, similarities or changes related to simple scientific ideas and processes.
- I can record findings and present data using simple scientific language, explanations, diagrams, pictures, keys, bar charts and tables.

Sequence of learning

1)	Define the characteristics of living things.
2)	Recognise that living things can be grouped in a variety of ways (vertebrates, invertebrates etc).
3)	Understand the five main categories of vertebrates and their characteristics.
4)	Recognise that plants can be grouped in a variety of ways.
5)	Explore and use classification keys.
6)	Conduct research to see how a local habitat can change over time (The Ponderosa).



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Key vocabulary	
Tier 2	Tier 3