Science Knowledge Organiser
Year: 2   Term: 3   Topic: Living things and their habitats

THE HAMPDEN WAY
Aspiration & Opportunity
We do our best | We are kind
We are a team

Prior knowledge/key knowledge

Year 1 Prior Knowledge	Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies.
Living, dead and never alive.	Explore and compare the differences between things that are living, dead, and things that have never been alive.
Habitats provide basic needs.	Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.
Different habitats.	Identify and name a variety of plants and animals in their habitats, including microhabitats.
Food Chains	Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.

Vocabulary

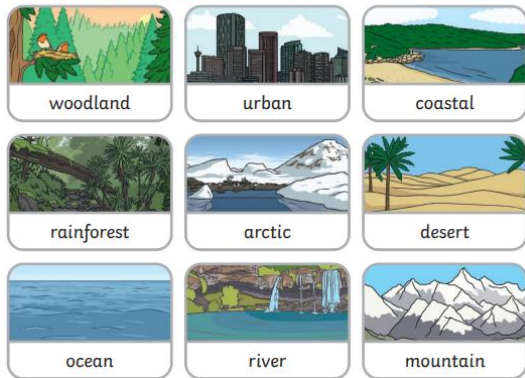|	
Habitat	A home environment for plants and animals or other living things.
food chain	A food chain shows how each animal gets its food. Food chains are one of the ways that living things depend on each other to stay alive.
Producer	Plants that make their own food
Consumer	Animals that eat plants and other animals. They do not make their own food.
Predator	An animal that eats another animal
Prey	Animals that get eaten by other animals
Micro- habitat	A very small habitat in places like under a rock.
Living	Things that are living have all the life processes.
Dead	Things made out of metal, plastic or rock were never living. They never had the life processes.

Key skills /investigative focus

Investigation focus	Interpret and report
Key Skill	Use appropriate scientific language to communicate their ideas.
Key Skill	Identify differences between things that are living, dead and have never been alive.

Big Questions/Challenging Perceptions

How would you survive in the Jungle?
How would you stay warm in the Arctic?
What is the best shelter for a human?
Why can't fish live on land?
What if humans were not at the top of the food chain?
What if there were no oceans?

Examples of **habitats**:

woodland | urban | coastal
rainforest | arctic | desert
ocean | river | mountain

Food chains. The arrows mean 'is eaten by'.

living | dead | never living