Hurst Hill Primary School Knowledge Organiser I Learning Together		Science	Living things and their habitats	Year 2	Summer	Biology			
Knowledge									
What is a habitat?	Identifying and Classifying A habitat is a place where living things, such as animals and plants, can find all of the things they need to survive. This includes food, water, air, space to move and grow and some shelter. Some habitats are large, like the ocean, and some are very small, such as under a log. Other examples of habitats could be rivers, woodlands, coasts and forests. Image: Coast								
habitat of the Arctic compare with rainforest habitats?	Polar region vs. equatorial region. Differences to be considered: level of moisture/rainfall; temperature ranges; seasonal change; weather; availability of land; plant growth; wildlife; day/night cycle, etc.								
What are micro-habitats?	Research Micro-habitats are very small habitats where minibeasts may live. Minibeasts that can be found in micro-habitats include worms, snails, ants, centipedes, millipedes and butterflies and they help to keep the micro-habitat healthy.								
Can we find examples?	Research Examples of micro-habitats include under stones, in grass, under fallen leaves and in the soil. Minbeasts are able to survive in their micro-habitats because they can find the things they need to survive there, such as food and water. For example, caterpillars can survive on leaves as they give them food.								
Which habitat do worms prefer? Where can we find the most worms?	Pattern Seeking Worms depend on plants because allowing air in. Which types of habita								
How do living organisms become dependent upon each other in a habitat?	Ideas Over Time Animals and plants depend on eac them, other animals and plants ma depend on worms, which make the be more competition for food, and th	y not be able to su soil healthy by digging	rvive. For example, worms on ng holes and allowing air in. I	lepend on plants	because they feed on	dead leaves, but plants			
Can we construct simple food chains for different habitats?	Pattern Seeking For example, in woodlands or a feed on dead leaves, but worms ar birds.				dead le aves worm worm www. → ↔ grass → rabbits	→ bird → foxes			
How is the work of Rachel Carson and Liz Bonnin helping to protect and conserve marine habitats for future generations?	Ideas Over Time Rachel Carson (1907-1964) <u>https://</u> biologist, author and conservationist		<u>vatch?v=ezVEzCmiXM4</u> Mari	ne					
	Liz Bonnin (1976–) <u>http://www.lizb http://www.lizbonnin.com/broadcast</u> Wild animal biologist, biochemist a	<u>s</u>		ter.					
How would you group things to show which are living, dead, or have never been alive?	Identifying and Classifying All living things breathe, eat, grow, r Something that is dead/non-living w time, but is not able to do so a something that has never been alive	vill have done the san nymore. The differe	me things as something the ence between something the	at is dead and					
Does a tree die in winter?	Observing Over Time Using trees within forest school/on s What adaptations may take place i does it draw water from frozen grou	nside the tree and ι	inderground to help it survive			rk protect the tree? How			

Vocabulary						
Biomes	A natural area of vegetation and animals.					
Carnivore	A person or animal that eats meat.					
Depend	Someone or something that you need in order to					
	physically survive.					
Food chain	A series of living things where each thing feeds on					
	the next one in the chain.					
Habitat	The natural environment in which an animal or					
	plant normally lives or grows.					
Herbivore	A person or animal that only eats plants .					
Invertebrate	A creature that does not have a spine, like an					
	insect, worm or octopus.					
Microhabitat	A small part of the environment that supports a					
	habitat, such as a fallen log in a forest.					
Minibeast	A small invertebrate animal such as an insect or					
	spider.					
Offspring	A person's children or an animal's young.					
Omnivore	A person or animal that eats all kinds of food,					
	including meat and plants .					
Plant	A living thing that grows in the earth and has a					
	stem, leaves and roots.					
Source	Where something comes from.					
Tree	A tall plant that has a hard trunk, branches and					
	leaves.					
Vegetation	Plants, trees and flowers.					
Vertebrate	A creature which has a spine.					



Hurst Hill Primary School Knowledge Organiser

Science	Living things and their habitats	Year 2	Summer	Biology
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Biology is the science that understands living organisms, including animals and plants.

Statutory requirements

Pupils should be taught to:

- explore and compare the differences between things that are living, dead, and things that have never been alive
- 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
- identify and name a variety of plants and animals in their habitats, including microhabitats
- 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.