Year ? Science   Biology : Plants

What we already know:
- Which things are living, dead and things which have never been alive.
- The names of some common **plants** and types of **trees.**
- All animals need water, air and food to **survive.**
- Animals can be grouped into **carnivores, herbivores** and **Omnivores.**
- Animals**,** including humans, have **offspring** which grow into adults.

What's next?
Recognise that living things can be grouped in a variety of ways
Habitats can change due to different climates and weather **(Geography)**
Describe different lifecycles andd gestation periods

To explore the differences between things that are living, dead and things that have never been alive.

Living

If something is alive then it can do all of these things:
Movement
Growth
Reproduction
Nutrition

living

Non Living

I know dead things used to be alive
I know dead things used to eat, grow,move and reproduce.
I know an object made of wood is now dead.

dead   never been alive

Identify that most living things live in habitats and describe how different habitats provide for their basic needs

I know that animals and plants live in a **habitat** to which they are suited, which means that:
- **Animals have suitable features that help them move and find food.**
- **Plants have suitable features that help them to grow well.**

jungle   desert   habitats   forest

A habitat provides:
- food and water
- space to move/grow
- space to reproduce
- air or oxygen
- shelter
- safety

basic needs

To Identify and name a variety of living things in their microhabitats

I know there are 6 major habitats in the world:
Forest, ocean, polar, desert, rainforest, grassland
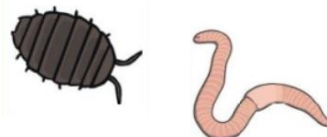
animals   plants

I know a microhabitat is a very small area that supports the life of plants and animals

micro habitat

I know under a log is a microhabitat

I know that various mini beasts live in the habitat (worm, earwigs, centipedes, woodlice) they eat rotting leaves, bark, shoots and roots

To describe a simple food chain and name the different sources of food

I know each food chain starts with a green plant

I know every food chain ends with a carnivore or omnivore

food chain

corn ⟶ mouse ⟶ owl

grass ⟶ caterpillar ⟶
mouse ⟶ owl

I know that an animal can have different sources of food

E.g. I know a fox eats: Rabbits, mice, rats, garden birds, earthworms, berries and fruit.

Vocab

Tier One	
Plant	
Animal	
Water	
food	

Tier Two	
Habitat	the natural home or environment of an animal or plant
Microhabitat	A much smaller habitat, e.g. under a rock or log
Life process	the series of actions, such as movement, growth, reproduction and nutrition
Environment	the surroundings or conditions in which a person, animal, or plant lives
Nutrition	the process of providing or obtaining the food necessary for health and growth.

Tier Three	
Reproduction	
Respiration	
Excretion	