

Year 4 Science: Food Chains with Bea the Bee

Learning objective: To understand the structure of food chains, identify producers and consumers, and recognise the roles of predators and prey.

Read the front of each flashcard to test your knowledge. Flip it over (or read the answer) to see if you are correct. Use these to revise for our upcoming lesson on ecosystems!

What is a food chain?	What is a producer?
A food chain shows how energy is passed from one living thing to another as they eat each other.	A living thing, usually a plant, that makes its own food using sunlight.
What is a consumer?	Bea the bee visits a flower. Is the flower a producer or a consumer?
A living thing that eats plants or other animals for energy.	A producer, because it makes its own energy from the sun.
What is a predator?	What is prey?
An animal that hunts and eats other animals.	An animal that is hunted and eaten by another animal.
What do we call an animal that only eats plants?	What do we call an animal that only eats other animals?
A herbivore.	A carnivore.
What do we call an animal that eats both plants and animals?	In the chain: Grass -> Rabbit -> Fox, which animal is the predator?
An omnivore.	The fox is the predator.
In the chain: Grass -> Rabbit -> Fox, which animal is the prey?	What does the arrow in a food chain represent?
The rabbit is the prey (it is also a predator to the grass, but primarily the prey in this chain).	The direction of energy flow (it points to the animal that is doing the eating).