

Topic: Our world. Science: Food chains- the effects of pollution on the food chain

**What should I already know?**

- The differences between living things, dead things and things which have never lived
- Habitats are the places living things live
- Animals and plants rely on each other within a habitat
- How animals obtain their food from plants and other animals
- Animals have different types of teeth designed for the food they eat
- The difference between herbivores and carnivores

**Scientific skills, knowledge and understanding**

- Construct a variety of food chains
- Investigate how pollution affects the food chain
- Identify producer, predator, prey
- How environments can change which poses dangers to living things

**Working scientifically**

- Find things out using a range of secondary sources
- Group living things using a decision tree
- Act out a food chain and the effects of pollution within the chain

**Vocabulary**

Food chain  
Food web  
Habitat  
Pollution  
In balance  
Ecosystem  
Predator  
producer  
Carnivore  
Herbivore  
Omnivore  
conservation

**What I will know by the end of the unit**

An eco-system is delicately balanced

Mans impact can cause pollution

Pollution can upset the delicate balance of nature within an ecosystem

The sun is the ultimate source of energy on earth

Green plants are producers. They are the only living things which can convert energy from the sun into sugar

All food chains start with a producer.

A food chain shows the flow of energy from one living thing to another

Food chains are more complicated because an organism doesn't feed solely on one food type and food webs show these interactions