



Science Vertical Concepts

8. Organisms require a supply of energy and materials for which they are often dependent on or in competition with other organisms

Nursery

Names of some common local animals and plants. Animals and plants change in different seasons.

Plant seeds and care for growing plants.

Year 1

There is a wide variety of living things, including animals and plants.

Year 3

Plants make their own food using sunlight, carbon dioxide and water.

Year 5

Year 7/KS3

Decomposers are essential (alongside producers and consumers) for a stable ecosystem.

Reception

Animals and mini-beasts have different habitats in the local environment.

Animals and plants adapt throughout the seasons.

Year 2

All living things need energy for food, as well as air, water and certain temperature conditions.

Most plants make their own food.

Animals need food, which comes by eating plants (herbivores) or by eating animals (carnivores), which have eaten plants or other

Year 4

Animals are ultimately dependent on plants for their survival.

The relationship among organisms can be represented as food chains and webs.

Year 6

In any given ecosystem there is competition among species for the energy and materials they need to live.