

# What do plants and animals need to thrive and survive?



Key scientist – Jane Colden

She was considered America's first woman botanist and compiled over 300 illustrations of different plant types to understand their parts.



## Key vocabulary

balanced diet	eating a variety of foods to keep our bodies healthy.
carbohydrate	foods, such as breads, potatoes and grains, that give the body energy
nutrition	eating food for living and growing
protein	foods, such as eggs, meat, fish and beans, that help the body grow and repair
Nutrition	The process of obtaining or providing the food necessary for health and growth.
Transport	Take or carry from one place to another.
Absorb	Take in or soak up.
Growth	The process of increasing in size.
Minerals	A chemical which occurs naturally in the environment.
Survival	Continuing to live or exist.
Photosynthesis	The process of plants making their food using sunlight, water and carbon dioxide.

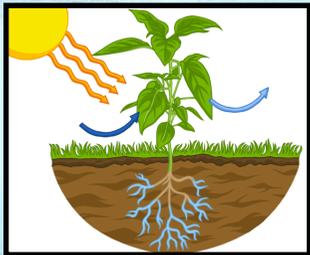
## Key learning

### Animals

- identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat

### Plants

- explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant
- investigate the way in which water is transported within plants
- identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.



## Working scientifically concepts

- Observing and measuring
- Scientific Enquiry
- Making predictions



## Thrive and Survive – Our Learning

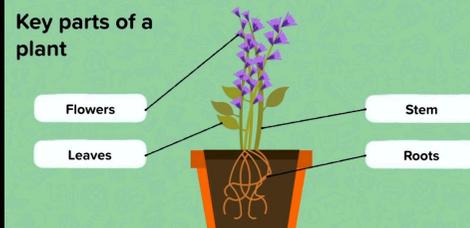
- Year 2
- Identifying what animals need to survive
  - Identify what plants

- Year 3
- Nutrition

- Year 4
- Food chains

- Year 6
- Humans staying healthy

## Key parts of a plant



## Ethics

Is farming ethical? Do farmers look after our local environment while growing crops?

