

School visits to the University of Bristol Botanic Garden

We offer a range of activities which support the key stages of the National Curriculum.

Primary

Key stage 1 themes

- What plants need to grow
- Recognising parts of the plant
- The role of seeds
- Different plants in the local environment
- Effect on plants of variations in local environment

Key stage 2 themes

- Life processes common to plants include growth, nutrition and reproduction
- Links of life processes to environment
- The effect of light, air, water and temperature on plant growth
- Role of the leaf in producing new material for growth
- How roots anchor the plant, take in water and minerals which are transported to other parts of plant
- Parts of the flower (e.g. stigma, stamen, petal, sepal) and their role in life cycle (incl pollination, seed formation, seed dispersal and germination)
- Variation and classification of plants: how to identify and assign to groups using keys
- How plants adapt to their environment
- How nearly all food chains start with a green plant

Secondary

Key Stages 3 & 4 themes

The aim is first to understand the key concepts that underpin the study of science and how science works in order to deepen and broaden the pupils' knowledge, skills and understanding.

This is followed in KS4 by the study of organisms and health, chemical and material behaviour, energy, electricity and radiations and the environment, Earth and universe.

Studies are made of the variation and adaptation of living things: classification, interdependency, interaction with each other and the environment and adapting to changes leading to evolutionary change.