

Summer Term 1 Year 1 Science Overview

Key facts

There are 3 basic parts to the structure of most plants – the leaf, the stem and the roots.

The leaf is the part of the plant that captures energy from sunlight and turns it into food (photosynthesis) as well as removing carbon dioxide from the air and producing oxygen.

The stem is the main structure that supports leaves and flowers. Stems move food and water around the plant to help it grow. Plants often store food in their stems.

The roots of a plant grow underground. Roots help to keep the plant from falling over and gather water and minerals from the soil. Some plants store food in their roots.

Biology – Plants

Brief summary/ overview

Biology is the study of living organisms.

Plants are living things that are not only rich in colour and variety they are central to life on Earth. They create food for animals to eat. By forming habitats such as rainforests and woodlands they provide a place for animals to live.

Plants produce the oxygen that is the air we breathe, and so are essential to keeping us alive.

There are roughly 391,000 varieties of plants on earth, approximately 60,000 of which are types of tree.

Prior Knowledge

Children have previously explored deciduous and evergreen plants during their work on seasons.

Key Vocabulary

biology, plant life, trees, habitats, flora, life processes, leaf, roots, stem, flowers, sunlight, carbon dioxide, oxygen, soil, minerals, growth, deciduous, evergreen

Resources

Non-fiction texts

Online access

Resources to investigate including exploration of school grounds to identify different plants.

Cross curricular links/visits

Children will look at the national flower of the countries of the UK in geography.