

Trees and Climate

Trees and climate - This is a half day activity, add a second half day activity to make your own programme for your day at Suntrap. [Click here for KS2 activities.](#)

Explore the trees in the forest to find out about life cycles, photosynthesis, identification, pollination, seed dispersal & germination. In a small group, pupils will measure the height and girth of one tree. From these measurements they will be able to calculate both the age of the tree and how much carbon it is storing. We will discuss why it is important that carbon is taken from the atmosphere and stored in plants to help mitigate climate warming.



Learning objectives

- to name and understand the different stages of plant life-cycles including germination, pollination, seed formation and dispersal
- to understand that plants capture carbon from the atmosphere through the process of photosynthesis
- to understand the importance of trees in relation to the climate and ecological emergency

Some suggestions for visit preparation

1. Recap what children learnt in Y3 about the parts and functions of roots, stem/trunk, leaves and flowers
2. Introduce important vocabulary, germination, seedling, pollination, dispersal
3. Find out how carbon is released into the atmosphere and the effects increased levels of carbon dioxide have on the climate

Follow on suggestions

1. Investigate what children can do to help save the earth from the climate and ecological emergency
2. Encourage each child to make a pledge to take one action to help fight against the climate and ecological emergency
3. Try to grow new plants from different parts of the parent plant, for example, seeds, stem and root cuttings, tubers, bulbs



National curriculum links

Y5 Science

Living things and their habitats

- describe the life process of reproduction in some plants and animals

Y6 Science

Evolution and inheritance

- identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution



Click [here](#) to read our day visit risk assessment

Bringing nature nearer

