



## Tree restoration

**Climate change** is, in significant part, due to a build up of carbon dioxide in the atmosphere that has mostly been caused by human industry. Trees play an important part in reducing the excesses of carbon dioxide as they take this in during a process called photosynthesis and use it to produce energy, which is stored in the plant. Therefore, planting more trees will be beneficial to the planet.

### ACTIVITY

Tree Trumps: Which trees would be suitable to plant where you live?  
Which trees would be suitable for planting in other habitats?



### ACTIVITY OVERVIEW

Children might like to play the Tree Trumps card game from Forestry England to familiarise themselves with different trees (use QR code 1 to download and print the cards before the session). Activity leaders could also show a 3-minute film explaining how many trees there are in the world (use QR code 2 to access this nature film).

Using websites or books, encourage the children to find out as much as they can about different trees to make their 'Top Trumps' style fact cards.

Possible facts could include: plant name (there may be more than one), height, time to mature, preferred temperature, preferred rainfall, sun/shade, humidity.

Remind children to include an image of each tree type!

### RESOURCES

paper/card and coloured pencils/felt tip pens

printed tree identification guides - see:

<https://www.woodlandtrust.org.uk/blog/2020/03/tree-id-kids/>

mobile devices with tree ID Apps (optional) - see:

<https://www.woodlandtrust.org.uk/trees-woods-and-wildlife/british-trees/tree-id-app/>

<https://www.inaturalist.org/>

### KEY FACTS/SCIENCE

The amount of **carbon dioxide** in the Earth's atmosphere has increased due to humans burning fossil fuels. This is responsible for warming the surface temperature of the Earth and **climate change**.

Our planet is currently home to 3.304 trillion trees (3,040,000,000,000) - that's almost 400 trees for every person on Earth. Trees absorb carbon dioxide. By increasing the number of trees, climate change could be limited.

We are currently losing about 10 billion trees a year (10,000,000,000) but groups all over the world are working on planting trees and **reforestation**.

### QUESTIONS FOR LEARNING

- Which trees would be suitable for planting in the UK? Why do you think this?
- Are there any trees that would not be suitable for planting in the UK? Why? Where would you plant these trees?

1



2

