

Science - Year 1

Plants – Block 1P

What's growing in our gardens?

Session 6

Resource Pack

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Images of trees

Evergreen trees

They stay green all year round. Conifers are evergreen trees. They grow cones and have thin, needle-like or scaly spikes for leaves.



Deciduous trees

Deciduous trees have flat leaves that change colours in the autumn, fall off in the winter, and grow back in the spring.



Tree Measuring Challenge

Scientists measure trees to see how old they are and how well they are growing.

Put your arms round a tree. Can you reach all the way round? All the way round a tree is called its 'girth'.

Scientists don't use their arms. They use a different method using a tape measure.

With the help of your teacher, wrap a tape measure around a tree and measure its girth. Write the measurement here ↓

Scientists believe that summers are going to get warmer and drier and that this may change the way trees grow, because it is much harder for them to suck water from the ground. If plants don't have enough water, the trees can drop their leaves earlier in the season and then they may die.

Do your parents measure how tall you are at home? When scientists measure a tree's girth, they are doing the same sort of thing! They are checking to see how well the tree is growing.

Scientists also measure the height of trees. To do this, one person in your group must walk away from the tree, but every so often bend forward and look through their legs back to the tree. When they can just see the top of the tree the person stops and marks it or gets someone to stand there. Another person measures the distance along the ground from the tree to the marker. This is roughly equal to the tree's height. The person can then record the height in metres. Take it in turns to do this, to help check each other's measurements.



Quiz The Visitor!



See how much your visitors know about the parts of a plant. Ask them these questions and see if they choose the right answer!

1.What often grows on the end of branches and twigs?

Clue: They are often flat and green but can sometimes can be the shape of needles.

feet

pancakes

leaves

2.What part of the plant is underneath the ground?

Clue: These help feed the plant by taking good things from the soil and sending it up to the plant.

leaves

roots

flowers

3.What is a tree called if it loses its leaves in winter?

Clue: The opposite of this is to keep leaves all year and stay always green.

deciduous

evergreen

cold

4.What can be found wrapped around the trunk of a tree?

Clue: This is also the noise a dog may make.

bark

growl

woof

5.What part of a plant do bees like the most?

Clue: This is because this part has pollen in it which bees collect.

cake

flower

juice

6.What is it called when a tree keeps its leaves all year round?

Clue: This means it keeps its colour, even in the winter.

deciduous

greedy

evergreen

*Did your visitor get all the answers right?
Check with your teacher if you aren't sure.*

