

Photo guide to Trees in summer

Use this guide between May and September. Identify 24 different trees from the leaves. Then turn over for different places to visit to see trees in Glasgow.

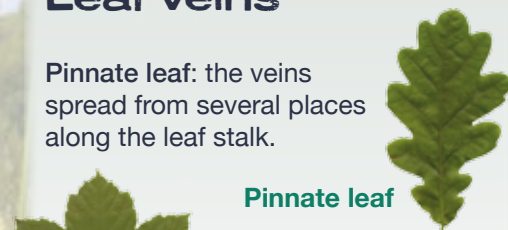
Leaf edges

Check the edge of the leaf. **Teeth** come in less than $\frac{1}{4}$ to the main vein. But **lobes** come in more than $\frac{1}{4}$.



Leaf veins

Pinnate leaf: the veins spread from several places along the leaf stalk.



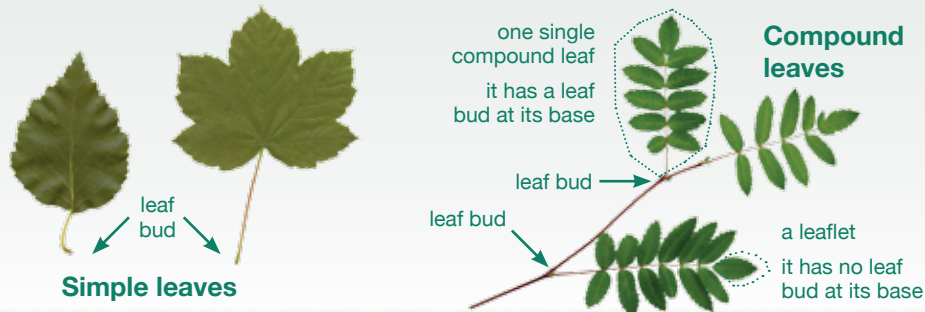
Palmate leaf

Palmate leaf: the veins spread from a single place at the top of the leaf stalk.



Simple leaves and Compound leaves

A **simple leaf** is a single leaf attached to a stalk. There is a leaf bud at the base of the leaf stalk. **Compound leaves** are split into separate parts called leaflets. If you're not sure, check if the stalk has a leaf bud. Leaflets do not have leaf buds.



Alder

Alnus glutinosa

Short or medium-sized tree with spreading branches. Leaf glossy green with blunt tip, sometimes indented.



Ash

Fraxinus excelsior

Tall tree. Compound leaf with 7-13 leaflets. The compound leaves grow in opposite pairs on the twig.



Beech

Fagus sylvatica

Tall upright tree with a broad rounded crown. Leaf glossy green and round. Edge wavy but untoothed with fine white hairs.



Birch

Betula spp.

Medium-sized tree, narrow and tapering. Several species. Leaf small, triangle-shaped or heart-shaped. Edge toothed.



Cherry

Prunus spp.

Small tree. Leaf is long oval shape with a pointed tip. Edge toothed. Look for 2 red spots at the top of the leaf stem.



Crab Apple

Malus sylvestris

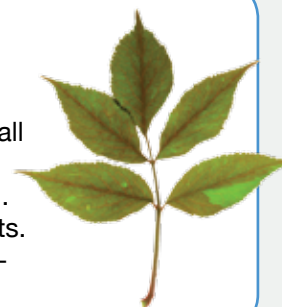
Small tree with a tangled shape. Leaf oval with a rounded base and slightly pointed tip. Edge toothed.



Elder

Sambucus nigra

Large shrub or small tree with a tangled shape. Compound. leaf with 5-7 leaflets. Edge with forward-pointing teeth.



Hawthorn

Crataegus monogyna

Small tree or large shrub, common in hedges. Leaf dark green, deeply lobed into 2, 3 or 5 lobes, with toothed edge.



Field Maple

Acer campestre

Medium-sized tree with a rounded crown. Leaf dark green, with 5 rounded lobes and rounded teeth. Leaf stem green.



Hazel

Corylus avellana

Large shrub or small tree. Leaf hairy underneath, pointed tip and heart-shaped base. Edge double-toothed.



Poplar

Populus spp.

Small, medium or tall tree. Leaf green on top but paler underneath, sometimes felty white. Edge finely toothed.



Rowan

Sorbus aucuparia

Medium-sized tree. Compound leaf with 10-16 leaflets. The compound leaves grow in alternate pairs on the twig.



Holly

Ilex aquifolium

Small tree or large shrub. Leaf glossy green and prickly. Upper leaves may lack prickles.



Hornbeam

Carpinus excelsior

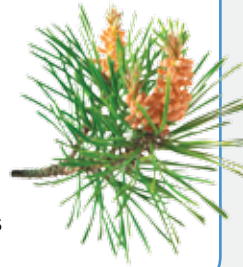
Medium-sized tree, often cone-shaped. Leaf oval with a pointed tip and prominent veins. Edges toothed.



Scots Pine

Pinus sylvestris

Evergreen tree with needles. Needles are thick, twisted, and grow in pairs. Upper section of the trunk is orange-brown.



Sweet Chestnut

Castanea sativa

Tall upright tree, with lower branches almost reaching the ground. Leaf glossy green, long, edge with saw-tooth teeth.



Horse Chestnut

Aesculus hippocastanum

Tall, dome-shaped tree with massive crown. Compound leaf with 5-7 leaflets. Leaf veins spread out from a single point.



Lime

Tilia spp.

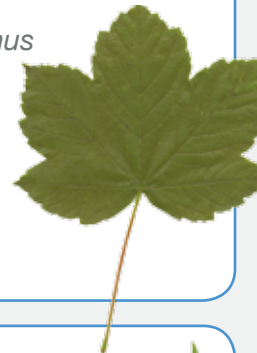
Tall tree. Several different species. Leaves thin, heart-shaped base, often with a pinched tip. Edge finely toothed.



Sycamore

Acer pseudoplatanus

Tall, spreading tree with a broad domed crown. Leaf with 5 pointed lobes and a toothed edge. Leaf stem red.



Whitebeam

Sorbus spp.

Medium-sized tree. Several different species. Leaf glossy green on top but felty white underneath. Edge sometimes lobed.



Oak

Quercus spp.

Tall tree, with a broad and spreading crown. Several different species. Leaf with 3-8 pairs of rounded lobes.



Pear

Pyrus spp.

Medium-sized tree. Leaf glossy green and oval-shaped. Edge has small teeth. Bark on trunk becomes craggy in older trees.



Willow

Salix spp.

Shrub to medium-sized tree, sometimes weeping. Several different species. Leaves can be round, or long and thin.



Yew

Taxus baccata

Shrub to medium-sized tree. Evergreen. Glossy green pointed needles. Red fleshy fruit. All parts of this tree are poisonous.



Places to visit in Glasgow

Here are 7 great places to see trees around Glasgow. Scan the QR codes for each place. Or follow what3words in Tollcross Park and Southside.

Glasgow Botanic Gardens



University of Strathclyde



Kelvingrove Park



Tollcross Park



Pollok Country Park



Southside Tree Trail



Cathkin Braes



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/// what3words

It's easy to track down trees with **what3words**. Every 3 metre square in the world has a unique combination of three words: a what3words address. Follow the QR code (right) to download the free **what3words** app to your phone, then get out and explore!



Tollcross Park Tree Trail



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1. Horse Chestnut A single tall tree near the Courtyard and Visitor Centre.
/// puddles.dress.motor

2. Holly Short tree with spiky leaves north of the Winter Gardens.
/// damage.giant.young

3. Silver Birch Single free-standing tree opposite Winter Gardens.
/// unless.racks.upper

4. Hornbeam Single tree with a broad crown, north of Centre Gardens.
/// space.most.mull

5. Sycamore Single free-standing tree at the side of the path.
/// bids.square.slim

6. Lime Avenue of tall trees on both sides of the path to the Mansion House.
/// watch.homes.paint

7. Ash Single tall Ash tree among other tree species.
/// chair.puppy.rivers

8. Beech Avenue of trees dominating the skyline
/// nails.tips.scrap

9. Yew Single medium-sized tree near the bridge over Tollcross Burn.
/// kings.dating.mobile

10. Elm A short tree (4 metres) with a 'weeping' shape.
/// sober.curl.affair

Southside Tree Trail

southseeds.org



1. Lime A row of trees in Queen's Park near the Victoria Road entrance.

/// loves.congratulations.calm

2. Sycamore Single tall tree in Queen's Park.

/// poetic.mixer.snail

3. Horse Chestnut Single tall tree in Queen's Park.

/// oppose.friday.living

4. Beech Single tall tree in Queen's Park Poetry Garden.

/// wisely.sailor.radar

5. Yew Evergreen tree in Queen's Park Poetry Garden, close to Tree 4.

/// backup.foods.civil

6. Birch Group of trees in Maxwell Park with smooth white/grey bark.

/// amused.pink.rated

7. Rowan A corridor of trees running through Maxwell Square.

/// grapes.edge.hours

8. Cherry A flowering tree with shiny peeling bark in Forth Street.

/// brands.settle.intro

9. Ash A row of tall trees in Govanhill Park, running from east to west.

/// fixed.locals.actual

10. Alder Tree at Victoria Road / Albert Avenue junction, near South Seeds.

/// mixed.mental.leaps

Get to know your tree

Here are some ideas of what you can do, either on your own or with your family, friends, colleagues or community group.



How old is the tree?

Measure the diameter of the trunk (in cm) at 1 metre above the ground. Divide the diameter by 2.5 to give an approximate age in years.



How tall is the tree?

Use a protractor and a tape measure.

- 1 Start at the tree trunk. Walk away until you can see the top of the tree
- 2 Measure the angle of elevation from your eye to the top of the tree
- 3 Walk away from the tree until the angle of elevation is 45°

⚠ Take care near roads



- 4 Measure distance along the ground
- 5 Work out tree height

$$\text{Tree height} = \text{Distance along ground} + \text{Your own height}$$

Exploring trees

- 1 20 minute challenge. Identify as many different trees as you can.
- 2 Back to back sketching. For 2 people. One person describes the shape of the leaves. The other person can't see the leaves, but tries to draw them from the description.
- 3 Spot the difference. Make a short video to tell apart two different types of tree, like Oak and Ash.
- 4 Share your photos and videos. Use the hashtag #TreesforClimateAction

Want to get involved with trees in Glasgow?

South Seeds. Making the local Southside community and beyond a better place southseeds.org

Clyde Climate Forest. Help plant 18 million trees in the Glasgow region tcv.org.uk/getinvolved

Find out more about the plans at clydeclimateforest.co.uk

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