

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 Bradford District.

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

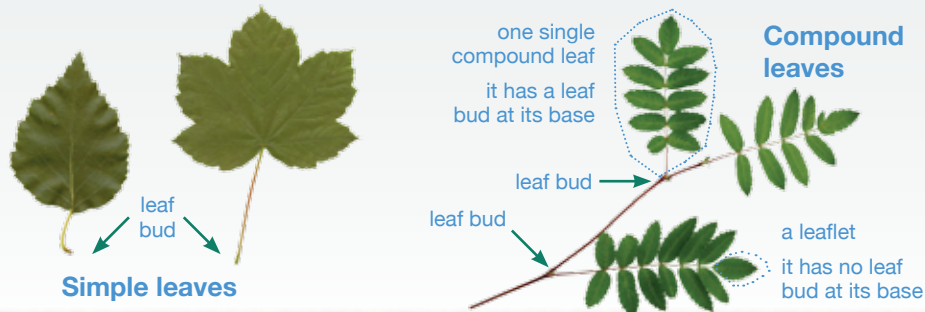
Pinnate leaf: the veins spread from several places along the leaf stalk.



Palmate leaf: 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 sylvestica

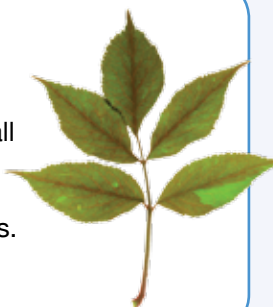
Small tree with a tangled shape. Leaf oval with a rounded base and slightly pointed tip. Edge toothed.



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

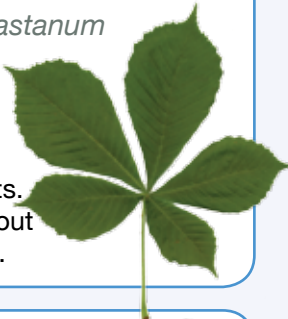
Tall upright tree, with lower branches almost reaching the ground. Leaf glossy green, long, edge with saw-tooth teeth.



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.

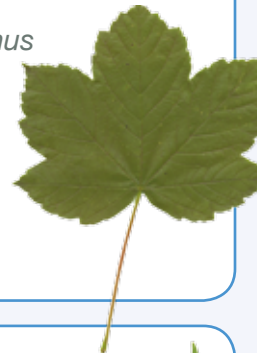
Tall tree. Several different species. Leaves thin, heart-shaped base, often with a pinched tip. Edge finely toothed.



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

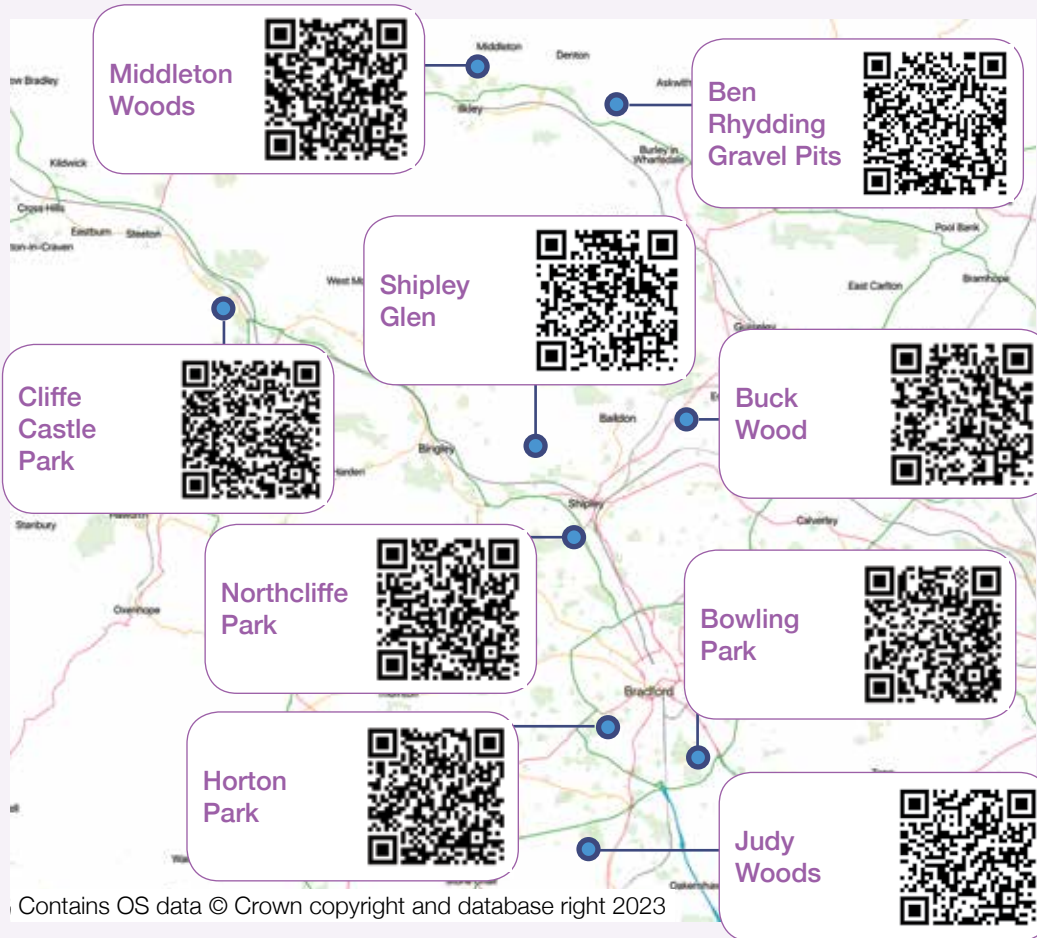
Taxus baccata

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



Places to visit in Bradford

Here are 9 great places to see trees around Bradford District. Scan the QR codes for each place. Or follow what3words in Bradford City Park and Ilkley town centre.



/// 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!



Bradford City Park Tree Trail



1. Sycamore Three trees along the Bridge Street edge of the park.

/// action.boring.cases

2. Cherry Four young trees close to the Fire Memorial.

/// energy.mull.driven

3. Birch Six young trees in front of Centenary Square

/// skips.butter.dragon

4 London Plane Line of six trees north of the pool.

/// cable.leaves.task

5. Beech Two lengths of hedgerow close to the Library.

/// avoid.elbow.engine

6. Scots Pine Single large tree at edge of the park, close to Tree 5.

/// avoid.elbow.engine

7. Oak Three young Oak trees close to the Library.

/// snap.churn.magic

8. Lime Single tree at edge of Princes Way.

/// exit.encounter.dangerously

9. Cherry Another line of Cherry trees, at side of the Magistrates' Court.

/// talent.preoccupied.bunks

10. Whitebeam Single tree, pale leaf underside, corner of Magistrates' Court.

/// epic.them.skirt

Ilkley Tree Trail

ilkleytrees.org.uk



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1. Birch 2 single trees in The Grove Promenade (edge of the car park).
/// wings.pancake.fidelity

2. Lime Single tree between two birches (Tree 1).
/// wings.pancake.fidelity

3. Pear Single tall tree with shiny green leaves, near Betty's Tearoom.
/// wardrobe.growth.wells

4. Whitebeam Single tree, underside of leaf is pale, next to the Pear (Tree 3).
/// scorecard.clutter.pass

5. Horse Chestnut Large tree (over 4 metres thick) in Memorial Gardens.
/// spark.originals.beanbag

6. Sycamore Large tree next to the steps in Memorial Gardens.
/// ecologist.vital.skewing

7. Scots Pine Tall evergreen, on right-hand side of path from Kings Road.
/// inert.skews.star

8. Hornbeam Tree with branches pointing up, near Parish Ghyll Road.
/// headsets.paramedic.punt

9. Cherry A line of flowering cherry trees all along The Grove.
/// pints.hostel.blackmail

10. Yew A single male Yew tree on The Grove, surrounded by benches.
/// slid.crouching.ground

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.

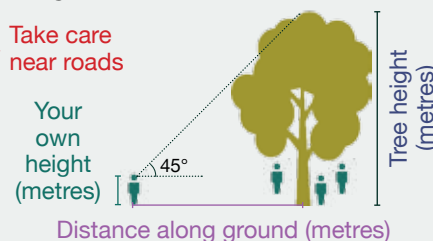


How tall is the tree?

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 Bradford?

YorGreen. Volunteer to plant and care for trees yorgreencic.org.uk

Bradford Environmental Education Service. bees-ymca.org.uk

Aire Rivers Trust. Learn new skills airerivertrust.org.uk

Fruit Works. Help look after local orchards fruitworks.org.uk

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