

Bud Arrangement:

- Opposite pairs (each pair at right angle to each other)
- Alternate from one side of the shoot to the other (conifers arranged in spirals)

Leaf Bud:

- Bud scales protect the young leaves
- Scales can be fringed with hairs
- The bud itself can be hairy, sticky, and smooth

Flower Buds:

- These contain the blossom for the following spring or summer, and are usually much fatter than leaf buds.
- Buds on short shoots tend to be smaller than those on vigorous, long shoots.

Leaf Scars:

- These are found just below the bud, this is where the last season's leaf has fallen off – these vary in size and shape, the Horse Chestnut being very distinctive.



Common Ash

Bud arrangement - Opposite
 Bud length- 1 cm
 Bud colour - **Black**
 Bud shape - Squat
 Bud scales - No
 Bud hairs - No
 Leaf scar - Large & Very conspicuous



Horse Chestnut

Bud arrangement - Opposite
 Bud length- 1.5 cm
 Bud colour - Dark with **rich red brown** tint
 Bud shape - Broad, long, pointed
 Bud scales - Yes
 Bud hairs - No
 Leaf scar - Large & Very conspicuous
 Twig colour - **Fawn**



Oak

Bud arrangement – Cluster at tip of shoot (Looks like a crown)

Bud length– 5 mm

Bud colour – Brown

Bud shape – Round

Bud scales – Yes

Bud hairs – No (English Oak), Yes (Sessile Oak)

Leaf scar – Small and inconspicuous

Twig colour – **Grey-brown**



Hawthorn

Bud arrangement – Alternate

Twigs— Has thorns

Bud length– 2mm

Bud colour – **Red Brown**

Bud shape – Small and round

Leaf scar – Inconspicuous

Twig colour – **Brownish Green**



Sycamore

Bud arrangement – Opposite

Bud length – 1cm

Bud colour – **Green**

Bud shape – Round

Bud hairs – No

Leaf scar - Conspicuous