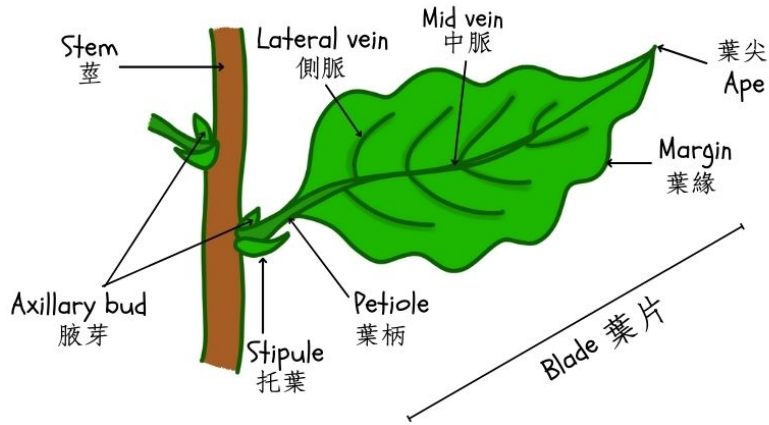
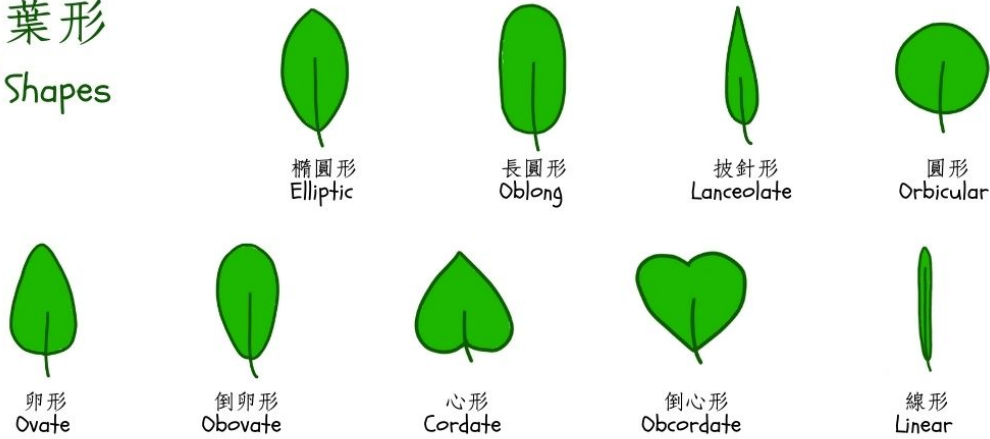


樹葉

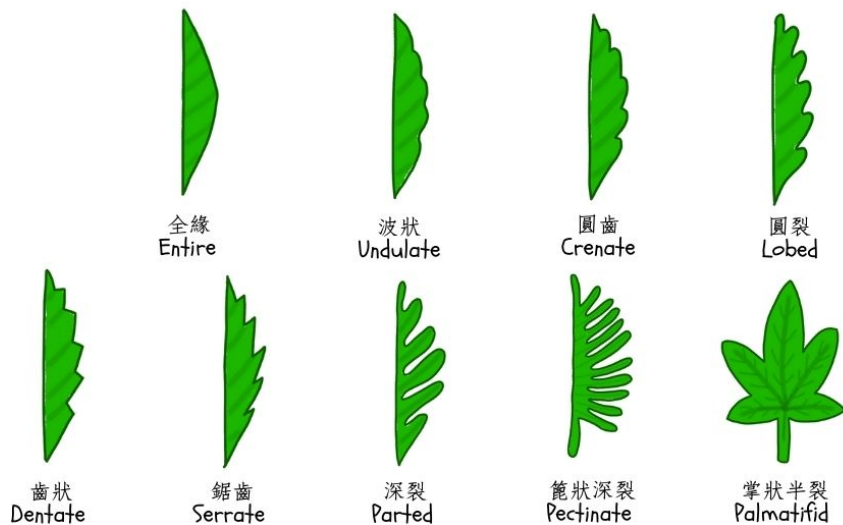
樹葉的組成



1 葉形 Leaf Shapes



2 葉緣 Leaf Margins



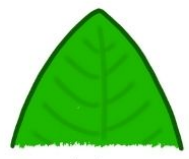
3 葉尖
Leaf Apexes



倒心形
Obcordate



微凹
Retuse



急尖
Acute



圓形
Rounded



鈍
Obtuse



截形
Truncate

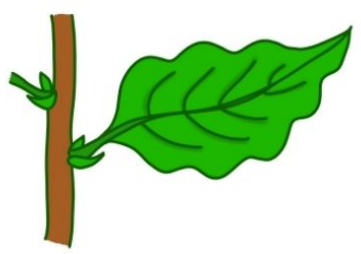


漸尖
Accuminate

4 葉型
Leaf Types



複葉
Compound leaf



單葉
Simple leaf

5 葉序
Leaf Arrangements



互生
Alternate



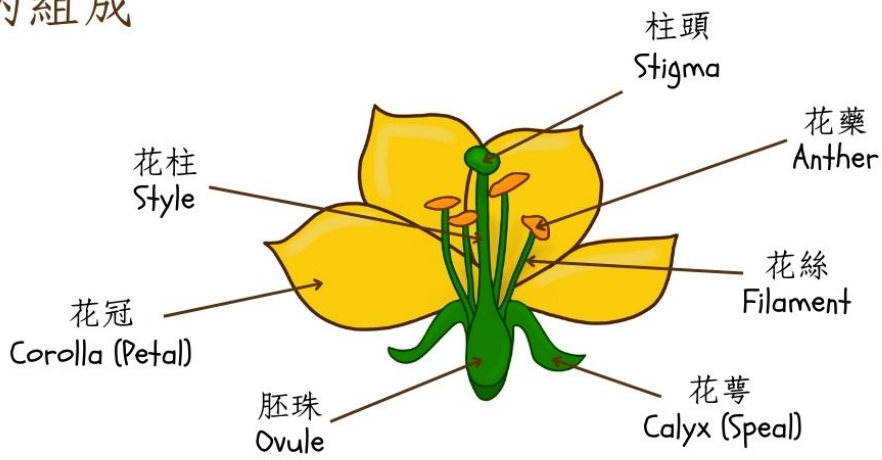
對生
Opposite



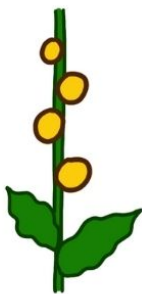
輪生
Whorled (verticillate)

花

花的組成



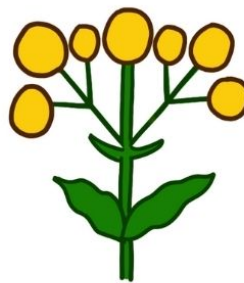
花序 Inflorescence types



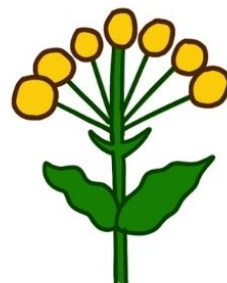
穗狀花序
Spike



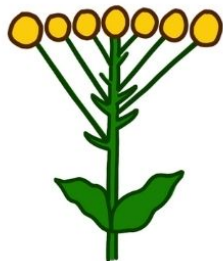
總狀花序
Raceme



聚傘花序
Cyme



傘形花序
Umbel



傘房花序
Corymb



頭狀花序
Head

Plants Identification Cards: Trees

Tai Mo Shan Country Park



1. Chinese Name: 潤楠屬

Common Name: Machilus

Scientific Name: *Machilus* spp.



1A. Chinese Name: 短序潤楠

Common Name: Short-flowered Machilus

Scientific Name: *Machilus breviflora*

Shape: Evergreen medium-sized tree.

Stem: Greyish green.

Leaf: Simple and alternate, leathery or thin-leather, green upper side and grey under side, obovate-lanceolate, margin entire.

Flower: Jul-Aug, yellowish green.

Fruit: Oct-Dec, globose and black.

Native species.



1B. Chinese Name: 浙江潤楠 / 長序潤楠 Common Name: Chekiang Machilus Scientific Name: *Machilus chekiangensis*

Shape: Evergreen medium-sized tree.

Stem: Brown.

Leaf: Simple and alternate, leathery or thin-leather, oblanceolate, margin entire.

Flower: Feb, yellowish green.

Fruit: Apr-May, globose and black.

Native species.



1C. Chinese Name: 刨花潤楠 / 多脈潤楠 Common Name: Many-nerved Machilus Scientific Name: *Machilus pauhoi*

Shape: Evergreen medium-sized tree.

Stem: Brown.

Leaf: Simple and alternate, leathery, narrowly elliptic or oblanceolate, margin entire.

Flower: Feb, yellowish green.

Fruit: Apr-May, globose and black.

Native species.



2. Chinese Name: 木荷/荷樹

Common Name: Schima

Scientific Name: *Schima superba*

Shape: Evergreen big tree.

Stem: Greyish brown or reddish brown with light fissure (裂紋).

Leaf: Papery or leathery, oblong-elliptic with dentate margins.

Flower: Jun-Aug, white and big.

Fruit: Oct-Dec, woody, brown, globose capsule.

Native species.



3. Chinese Name: 杉木

Common Name: China Fir

Scientific Name: *Cunninghamia lanceolata*

Shape: Tree; 50 m tall.

Stem: Light grey to dark brown with longitudinal fissure (縱向裂紋).

Leaf: Needles, long and narrowed, with green or white powder.

Cone: Aug-Nov, green when young, dark brown when mature.

Exotic species.



4. Chinese Name: 台灣相思

Common Name: Taiwan Acacia

Scientific Name: *Acacia confusa*

Shape: Evergreen medium-sized tree, 6–15 m tall.

Stem: Brown and smooth.

Leaf: Reduced to simple phyllodia, alternate, leathery, lanceolate, straight or slightly falcate.

Flower: Mar-Oct, flowers numerous; golden-yellow.

Fruit: Aug-Dec, dark brown and bean-like looking.

Exotic species.



5. Chinese Name: 山大刀 / 九節

Common Name: Wild Coffee

Scientific Name: *Psychotria asiatica*

Shape: Evergreen shrubs or small trees, 0.5–5 m tall.

Stem: Greyish-brown with ring-like pattern.

Leaf: Papery or sub-leathery; oblong with entire margin.

Flower: Mar-Sep, dense clusters of green and white flowers.

Fruit: Jun-Feb, red berry-like fruit when mature.

Native species.



6. Chinese Name: 韓氏蒲桃 / 紅鱗蒲桃 Common Name: Hance's Syzygium Scientific Name: *Syzygium hancei*

Shape: Evergreen medium-sized tree or shrub.

Stem: Reddish, longitudinally fissured (縱向裂紋).

Leaf: Simple and alternate, leathery, obovate to oblong, margin entire.

Flower: Jul-Sep, sessile and yellow.

Fruit: Nov-Jan, globose.

Native species.



7. Chinese Name: 白楸 Common Name: Turn-in-the-wind Scientific Name: *Mallotus paniculatus*

Shape: Evergreen small-sized tree or shrub, 3–15m tall.

Stem: Greyish-brown and smooth.

Leaf: Simple and alternate, heart-shaped, green upper side and pale under side.

Flower: Jul-Oct, tiny and white flowers.

Fruit: Nov-Dec, black.

Native species.



8. Chinese Name: 八角楓

Common Name: Chinese Alangium

Scientific Name: *Alangium chinense*

Shape: Deciduous small-sized tree or shrub.

Stem: Brown.

Leaf: Simple and opposite, elliptic or ovate, margin entire.

Flower: May-July and Sep-Oct, yellow and white.

Fruit: Jul-Nov, drupe, black when mature.

Native species.



9. Chinese Name: 濕地松 / 愛氏松

Common Name: Slash Pine

Scientific Name: *Pinus elliottii*

Shape: Evergreen large-sized tree.

Stem: Bark grey or dull reddish brown.

Leaf: Needles 2 or 3 per bundle, margin finely serrulate (鋸齒).

Cone: Conical or ovoid.

Exotic species.



10. Chinese Name: 豺皮樟

Common Name: Litsea

Scientific Name: *Litsea rotundifolia* var. *oblongifolia*

Shape: Evergreen small-sized tree or shrub.

Stem: Bark always with brown blotch (斑塊).

Leaf: Simple and alternate, leathery, ovate-rounded, margin entire.

Flower: Aug – Sep, yellow

Fruit: Sep – Nov, globose, greyish bluish black when mature.

Native species.



11. Chinese Name: 老鼠刺 / 鼠刺

Common Name: Itea

Scientific Name: *Itea chinensis*

Shape: Evergreen small-sized tree or shrub.

Stem: Brown and smooth.

Leaf: Simple and alternate, thinly leathery, obovate or ovate-oblong.

Flower: Apr-May, white.

Fruit: Jun-Aug, capsule.

Native species.



12. Chinese Name: 鰲蒴錐 / 裂斗錐栗

Common Name: Castanopsis

Scientific Name: *Castanopsis fissa*

Shape: Evergreen large-sized tree.

Stem: Bark longitudinal crack.

Leaf: Spirally arranged, thickly papery, oblong to obovate-elliptic.

Flower: Apr-Jun, white.

Fruit: Oct-Dec, cupule.

Native species.



13. Chinese Name: 珊瑚樹

Common Name: Sweet Viburnum

Scientific Name: *Viburnum odoratissimum*

Shape: Evergreen small-sized tree or shrub.

Stem: Reddish brown with conspicuous lenticel.

Leaf: Simple and opposite, thickly papery; upper side shiny green and underside sometimes sparsely dotted with dark-red small glands, elliptic or obovate.

Flower: Mar-Apr, white.

Fruit: Oct-Dec, drupe, red and turns into black when mature.

Native species.



14. Chinese Name: 筭欖花椒 / 筭欖

Common Name: Prickly Ash

Scientific Name: *Zanthoxylum avicennae*

Shape: Deciduous small-sized tree.

Stem: Bark dark grey to brownish grey, branches solid, shortly spiny.

Leaf: Odd-pinnated (奇數羽狀複葉), 11-21 leaflets opposite, obovate.

Flower: Jun-Aug, yellow, petiole sometimes purplish red.

Fruit: Oct-Dec, globose and purplish red.

Native species.

*Photos provided by Agriculture, Fisheries and Conservation Department

In order to increase the teacher's confidence in identifying tree. Tree plaque with number tag are provided at the survey site. The list below provided all of the tree species. When students are encountering difficulties in identifying trees, the teacher can use the list to confirm the tree species and gives students tips, instead of providing the entire list for students to conduct their survey.

Number	Species name
1	Common Name: Machilus Scientific Name: <i>Machilus spp.</i>
1A	Common Name: Short-flowered Machilus Scientific Name: <i>Machilus breviflora</i>
1B	Common Name: Chekiang Machilus Scientific Name: <i>Machilus chekiangensis</i>
1C	Common Name: Many-nerved Machilus Scientific Name: <i>Machilus pauhoi</i>
2	Common Name: Schima Scientific Name: <i>Schima superba</i>
3	Common Name: China Fir Scientific Name: <i>Cunninghamia lanceolata</i>
4	Common Name: Taiwan Acacia Scientific Name: <i>Acacia confusa</i>
5	Common Name: Wild Coffee Scientific Name: <i>Psychotria asiatica</i>
6	Common Name: Hance Syzygium Scientific Name: <i>Syzygium rehderianum</i>
7	Common Name: Turn-in-the-wind Scientific Name: <i>Mallotus paniculatus</i>
8	Common Name: Chinese Alangium Scientific Name: <i>Alangium chinense</i>
9	Common Name: Slash Pine Scientific Name: <i>Pinus elliottii</i>
10	Common Name: Litsea Scientific Name: <i>Litsea rotundifolia</i> var. <i>oblongifolia</i>
11	Common Name: Itea Scientific Name: <i>Itea chinensis</i>
12	Common Name: Castanopsis Scientific Name: <i>Castanopsis fissa</i>
13	Common Name: Sweet Viburnum Scientific Name: <i>Viburnum odoratissimum</i>
14	Common Name: Prickly Ash Scientific Name: <i>Zanthoxylum avicennae</i>

For more detail and photos of each species, please visit: <https://www.herbarium.gov.hk/en/home/index.html>