

Characteristics Matter! Biodiversity & Classification at the Park...

Student Introduction

- As well as enjoying the activities you can also find out about some of the plants that are growing at Robin Hill. You can:
- ✓ Study the classification and variation charts.
 - ✓ Observe the characteristics and leaves of the various plants.
 - ✓ Classify the plant according to its characteristics, and complete the worksheet using your observations.



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Step 1

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- » Study the classification chart on page 2 (non-flowering plants).
- » Observe the characteristics of the plant as listed in the chart.
- » In the space next to the photo you can write the name of the species, draw what you see or take a photo using your mobile phone.

Step 2

- » Study the classification chart on page 3 (flowering plants)
- » Look for more flowering plants and decide if they are monocotyledon (veins running parallel up the leaf) or dicotyledon (branching veins in the leaves).



Step 1

Living Things

105121

ANIMALS

FUNGI

(moulds, yeasts,
mushrooms)

PROKARYOTES

(bacteria, algae)

PROTOCTISTIS

(paramecium,
amoeba)

PLANTS

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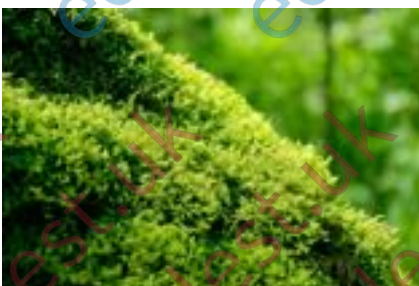
Ferns



Characteristics:

- ▶ true stem
- ▶ complex leaves with branching veins
- ▶ reproduce by spores

Moss



Characteristics:

- ▶ small
- ▶ grows close to ground
- ▶ no true root
- ▶ spore-producing capsule
- ▶ no true vascular system

Step 2

Living Things

105121

ANIMALS

FUNGI

(moulds, yeasts, mushrooms)

PROKARYOTES

(bacteria, algae)

PROTOCTISTIS

(paramecium, amoeba)

PLANTS

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Hydrangea

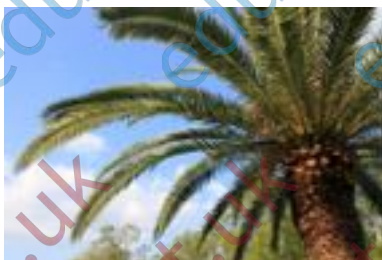


Characteristics:

- ▶ 2 seed-leaves
- ▶ leaves with branching veins

Monocotyledons

Palm Tree



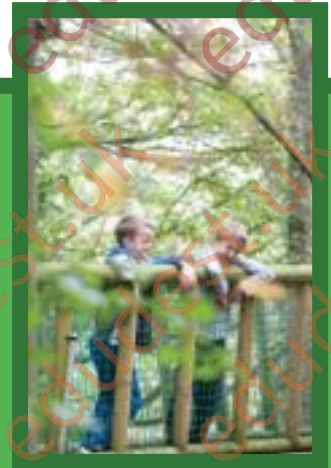
Characteristics:

- ▶ one-seed leaf
- ▶ parallel veins in leaves

BIODIVERSITY

Useful information:

- ▶ Biodiversity is the wide range of different species of plants and animals.
- ▶ Biodiversity is environmentally important in maintaining sustainability.
- ▶ Plants biodiversity is important for the development of drugs, sources of food, pollination, dyes, fibres, fuel and fodder.



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Task

Step 1



1. Study the variation chart on [page 5](#).
2. Observe the leaves of different plants.
3. Find a redwood tree and a banana plant and draw their leaves on the chart.

Step 2



1. Choose different plants and draw their leaves on the chart.
2. Write in the name of the plant, there is usually a label close by.

Variation in leaves

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Name of plant	Drawing of leaf
Redwood Tree	

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