



Name :

Members of your team :

PLANT SYMPHONY

Plants belong to the Kingdom Plantae. Within the Plant Kingdom is a large variety of plant types. Which of them have flowers, which do not? If they do not have flowers, how else can plants reproduce? Some are able to grow very tall, with water pumped to great heights of 40-60m to reach the leaves, while other plants creep along the ground. Explore your school garden and enjoy the symphony of plants!

Project Objectives

You have to:

Observe and list plants found in your school garden, identify and classify them scientifically (taxonomically) and by usage (ornamental, medicinal, vegetables/crops etc.).

Equipment/Materials

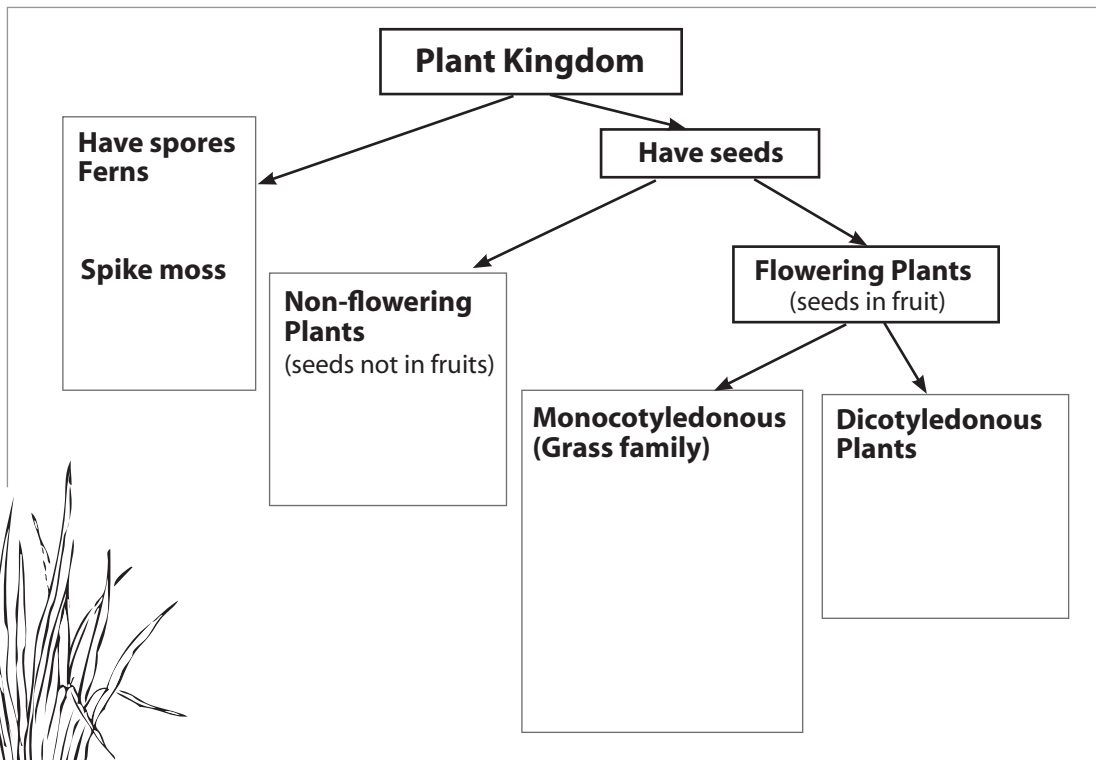
Optional: 1001 Garden Plants in Singapore, (2nd Edition) National Parks Board and A Guide to Herbs And Spices (Singapore Science Centre Guide).

Suggested Steps

1. Go to your school garden. Observe and list down all the major plants you can find.
2. With your list of plants, classify them in 2 different ways, using these visual organisers:

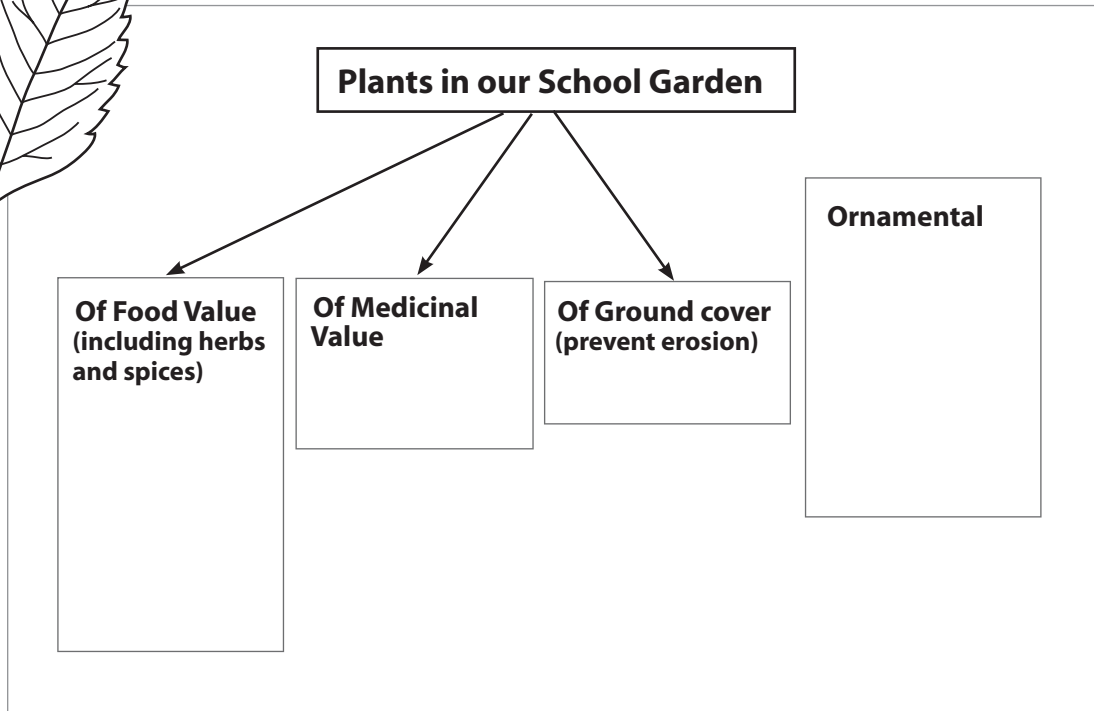


Taxonomical Classification of Plants





Classification of Plants By Usage



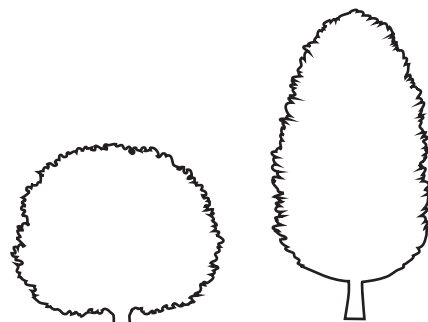
Did you know that plants can also be classified according to growth forms/size:

- Tree** A tall plant (at least 6m when fully grown), often with one main trunk.
- Shrub** A bush-like plant, with many branches instead one trunk. General height it can reach: between 1m - 6m when fully grown.
- Herb** A plant which does not grow taller than 1m when fully grown. Usually with green, soft stems (not woody).
- Climber** A plant with weak stems, able to grow up a support to obtain optimum sunlight.

Besides being classified taxonomically and by usage, how else can plants be classified?

Tips

Get help for identification using the NParks Plant Reference
<http://www.floraweb.nparks.gov.sg>



HANDOUT 1