

A little seed for me to sow  
A little earth to make it grow  
A little hole, a little pot  
A little wish and that is that  
A little sun, a little shower  
A little while and then a flower

# Growth

## **Growth: A Brief Description Of Activities**

These activities have been designed for use at Key Stage One or early Key Stage Two. Each activity can, if required, be introduced by a teacher led classroom session of approximately forty-five minutes. This will provide a suitable input of some factual information plus, where appropriate a practical activity or supervised handling session of plants in the glasshouses.

### ***Plants Growing In Different Conditions (Science, geography)***

How are plants adapted to each environment?

- Observing, drawing and describing key survival features
- Imaginative work e.g. being an explorer, creating a plant passport.
- Investigations e.g. leaf area
- Observing and drawing adaptations of plants to grow in soil, water and air

See worksheets 1 & 2 at back of booklet

### ***Basic Botany (Science)***

What are the parts of a plant?

- Matching drawing of e.g. a leaf to a real leaf
- Using learnt names to label their drawing of a plant.

Flower structure

- Pupils are taken through the basic flower parts and their functions using a large Velcro flower and a glove puppet  
or
- Large-scale flower parts are available for children to reconstruct flowers. This can become a role-play with one pupil taking the part of a bee, collecting and transferring pollen.

Life cycle of a plant

- Offering a wide range of plant flowers, fruits, seeds etc. as a stimulus
- Seasonal changes of plants to illustrate stages
- Storytelling e.g. 'The Tiny Seed'

See worksheets 3 & 4 at back of booklet

### ***Growing Plants For A Purpose (Science, geography, music)***

How might plants be used by people?

- Plants as food: Matching activities of foods to plants growing in glasshouses relating food to part of plant being used. Role play and trail based on the book 'Handa's Surprise'.
- Plants to make music with: a practical workshop using a variety of plant based musical instruments

- Plants that help us start the day: how many plants do we use between getting up and coming to school, a discussion followed by a matching exercise in the glasshouses.

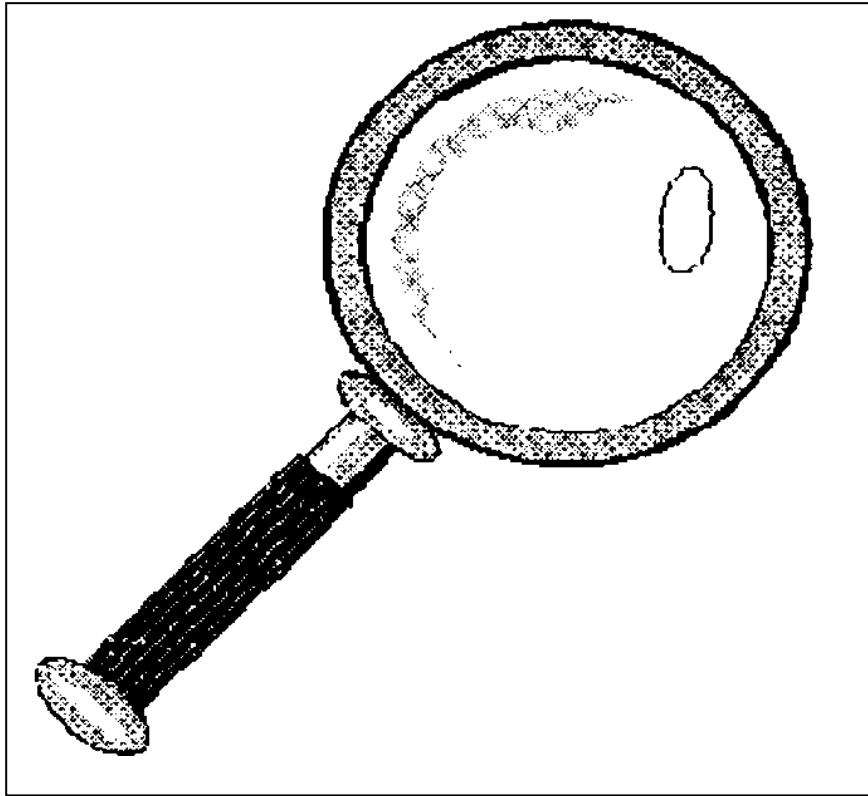
See worksheet 5 in back of booklet

### ***Measurement (maths)***

How can we measure plant growth?

- Using standard and non-standard measurement to investigate and record the differences in plant growth
- Estimating and measuring e.g. leaf size
- Investigations to find e.g. longest, smallest
- Recognising and copying naturally occurring patterns in leaves and flowers

See worksheet 6 in back of booklet



# Explorer's Diary

**Written by:**

**Date:**

**Place:**

**A strange plant**



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**A plant we can eat or drink**



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**A plant which has flowers**



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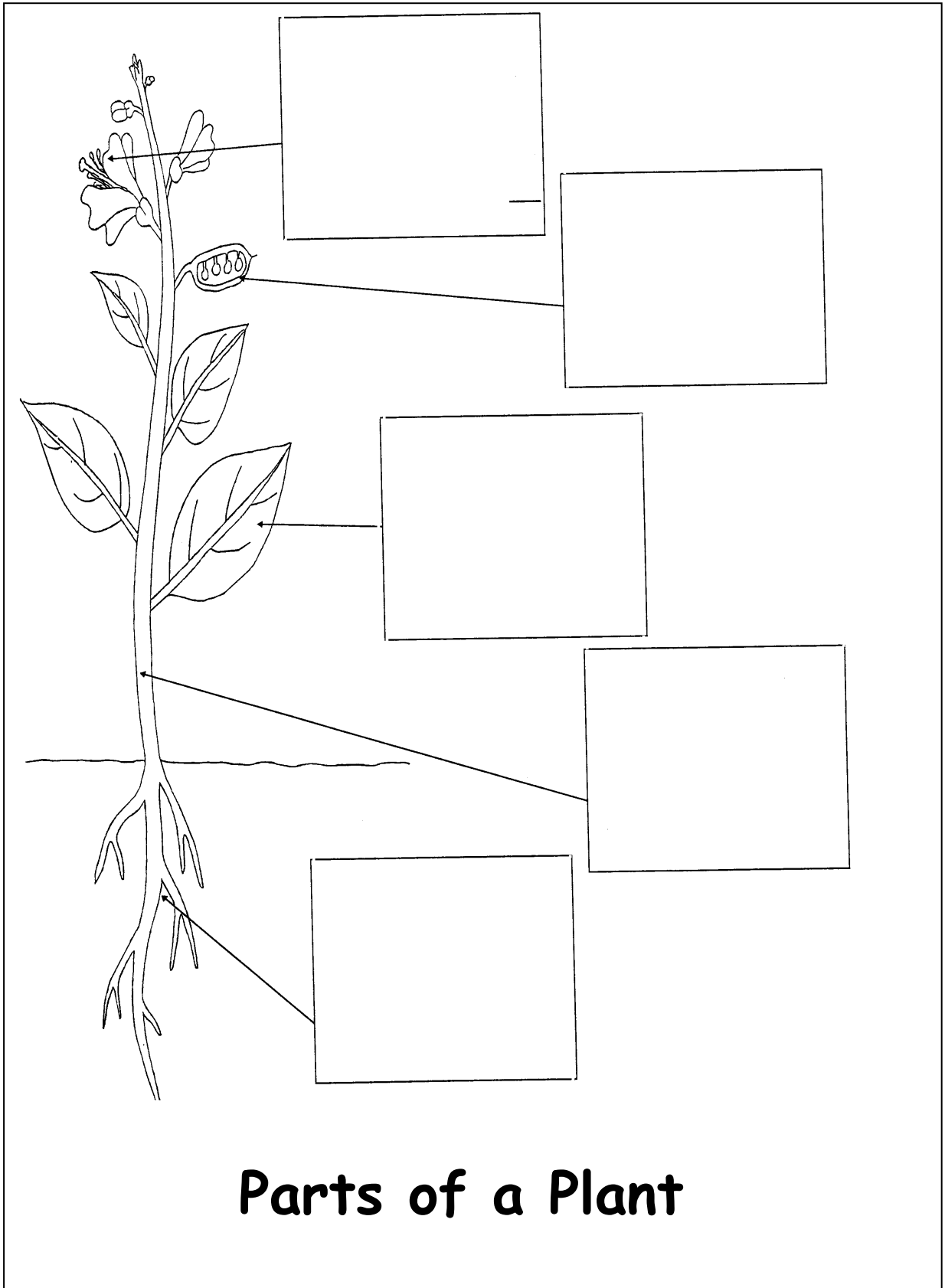
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# Plant Passport



**Name:**  
**Country:**  
**Climate:**  
**Height:**  
**Appearance:**  
**Used for:**



**Parts of a Plant**

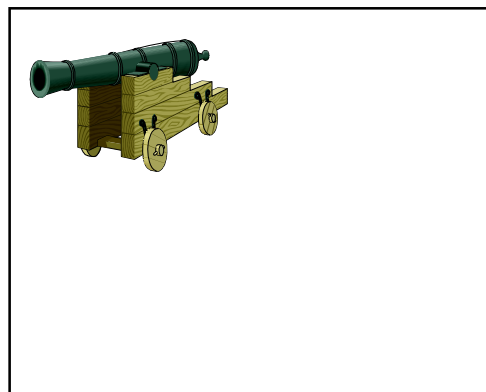
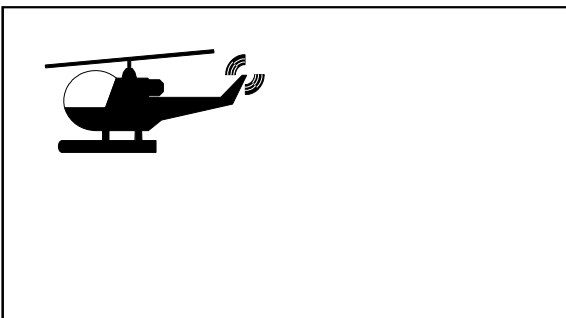
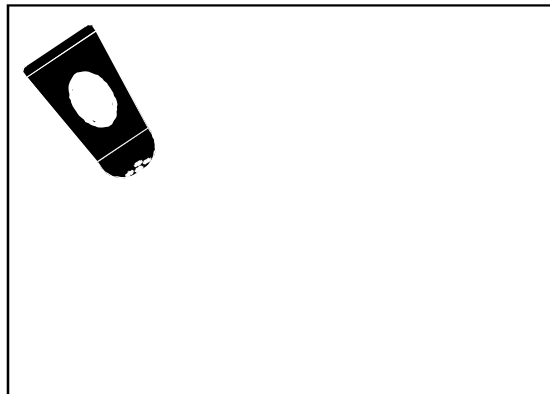
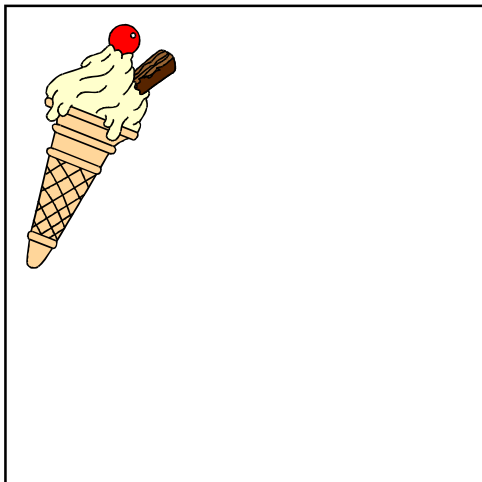
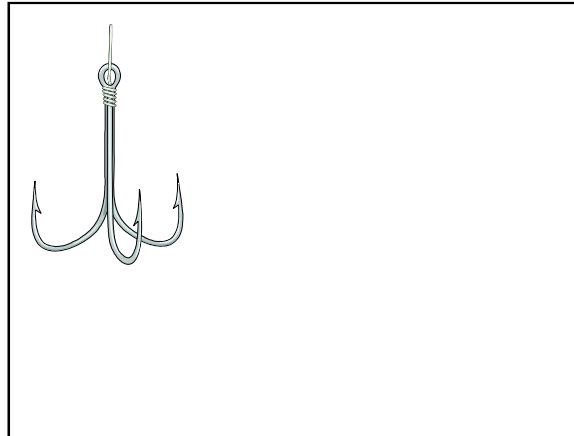
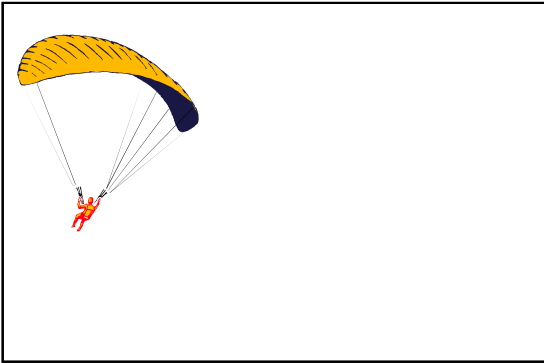


# Getting Around

The job of the fruit is to protect the seeds and help them to travel away from their parent plant. Plants use many ways to help seeds on their travels.

The pictures in each box suggest ways seeds travel, use them as clues to:

1. find then draw examples of seeds for each type of journey.



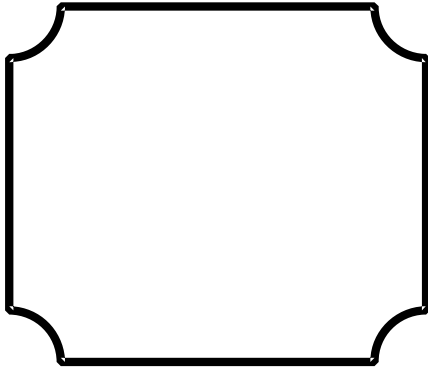




## Starting the Day the Botanical Way

Did you know that in the time between getting up and going to school you use many plants without even knowing it!

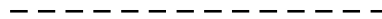
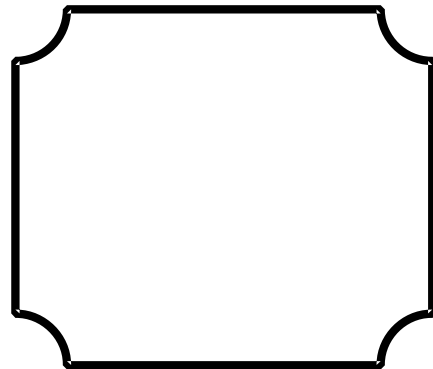
Go and explore the glasshouses and see if you can find and draw:



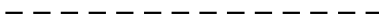
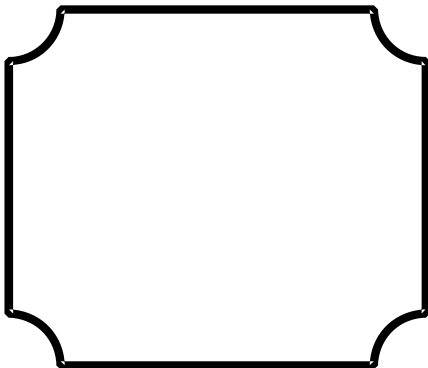
**A plant we use to wash ourselves with**



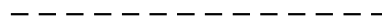
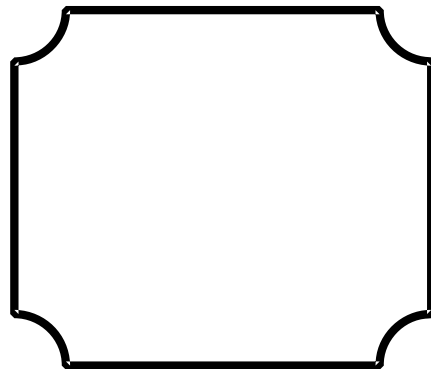
**A plant we eat for breakfast**



**A plant we drink for breakfast**

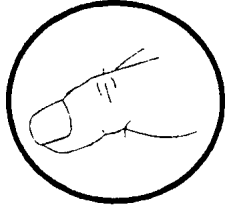


**A plant we wear to school**



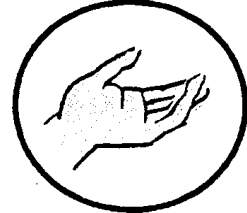


a leaf as small as your thumb nail?



name the plant \_\_\_\_\_

a leaf as big as your hand?



name the plant \_\_\_\_\_

a leaf as tall as you?



name the plant \_\_\_\_\_

a leaf as long as your arm?



name the plant \_\_\_\_\_