



# KNOWLEDGE ORGANISER

SCIENCE: PLANT DETECTIVES

YEAR ONE

KEY KNOWLEDGE:

QUESTION 1: What Garden Plants do we have around the school?

ANSWER

We have Daffodils growing in the environment area around the pond. They have pretty flowers with six petal-like petals around a trumpet-shaped corona. Some of the flowers are white and some yellow.



We also have Roses growing in the borders around the school. These are prickly bushes with pretty flowers, like the one below.



QUESTION 2: Which wild plants grow in Britain?

ANSWER

**Winter (December- February)**

In the winter months you may see snowdrops. It flowers from January to March. In winter, the greenery and white berries of mistletoe grows on trees. Primrose are early to flower between late December and May.

**Spring (March-May)**

The bluebells are a sure sign that spring has arrived. They carpet native woodland floors throughout the UK between April and late May. The early purple orchid are a handsome sight. One of the earliest orchids to bloom, look out for its flowers between April and June. Other woodland plants that put early spring displays are wood anemone, common dog violet and red campion. Late spring flowering plants include foxgloves.



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## **Summer (June-August)**

Spring flowering species are joined by mid and late summer flowering plants such as dog rose and honeysuckle.

## **Autumn (September-November)**

As days grow colder and shorter, the number of plants drops. Some plants continue to bloom throughout autumn, such as honeysuckle.

QUESTION 3: What is a tree?

ANSWER

A tree is made of 5 parts: Roots, Crown, Leaves, Branches and Trunk

### **Roots:**

The roots are the part of the tree that grows underground. They help support the tree and collect water.

### **Crown:**

The crown is made up of the leaves and branches at the top of a tree. It shades the roots, collects energy from the sun and allows the tree to remove extra water to keep it cool.

### **Leaves:**

Leaves are the part of the tree that converts energy into food (sugar). Leaves are the food factories of a tree.

### **Branches:**

The branches provide the support to distribute the leaves efficiently and feed water from the roots

### **Trunk:**

The trunk of the tree holds up the crown. The trunk transports water from the soil and sugar from the leaves.