Year 1 Science

Week 3 and Week 4
4/5/20 – 7/5/20

Hello Year 1!

We hope you had fun learning about Florence Nightingale last week.

This PowerPoint includes nine science sessions for you to complete over the next two weeks.

Our learning is going to be based on finding out more about wild and garden plants.

Lesson 1 - Identifying wild flowers



Lesson 1 - Naming wild flowers

A wild plant is one that grows by itself.

A wild plant seed grows where it falls.

It doesn't need to be planted.

It doesn't need to be cared for as it grows.

If a wild plant grows where it is not wanted, it might be called a weed.

Talk to your family. Can you think of any wild flowers?



We are going to look at some common wild plants.



Can you name the wild flower?



Dandelions

These are dandelions.

They have bright yellow flowers.

They have fluffy white seed heads.

Some people like to blow the seeds and make a wish!









Can you name the wild flower?






Daises

These are daisies.

They have white petals with bright yellow centres.

They grow in the grass.

Sometimes, people use them to make daisy chains.









Can you name the wild flower?



Buttercups

These are buttercups.

They have shiny yellow petals.

They have feathery leaves.

You might have played a game where you hold one under someone's chin to see if it shines yellow!









Can you name the wild flower?



Clover

This is clover.

Clover has white or pink flower heads.

It has leaves in groups of three.

Some people think it is very lucky to find a four leaf clover!









Can you name the wild plant?



Nettles

These are nettles.

They have jagged, prickly leaves.

They have tiny green-white flowers.

Be very careful not to touch them, they will give you a nasty sting!









Can you name the wild plant?



Brambles

These are brambles.

They have very prickly stems.

They have white flowers.

They can grow very big.

In the autumn, brambles grow blackberries!









Comparing and contrasting wild plants





Draw a picture of your favourite wild plant. Write some sentences to describe it. How is it similar/different to the other wild plants that we have seen?









Lesson 2 - finding wild flowers



We're going on a daisy hunt



Daises



Tell your family 3 things that you would like to find out about daises.

Go for a walk in your garden/ local area. Collect as many daisies as you can find.

Observe your daises carefully.
What do you notice?
Can you find the answers to your questions?





Making Daisy Chains



We are going to use our daises to make a daisy chain.

Who will you make your daisy chain for?



Making Daisy Chains



You will need:

Lots of daises with their stalks

Step by step guide

1. Go somewhere where there are lots of daises.
2. Pick some daises with long stalks.
3. Use your thumbnail to split the stalk about halfway down its length
4. Thread the stalk of another daisy through the hole, then make a hole in this daisies stalk with your thumbnail and thread another daisy through it.
5. Keep going until you have made a daisy chain.

Lesson 3 -Interpreting data

Miss Wheeler went on a wild plant hunt. She wanted to find the most common wild plant in Worcester. She went for a walk to investigate.



Miss Wheeler's results

Miss Wheeler's Worcester wild plant survey

Wild plant	Tally	Number
 Dandelion	𝍸 𝍸 ||||	9
 Daisy	||||	4
 Buttercup	𝍸 |	6
 Clover	𝍸 |	6
 Bramble	𝍸 𝍸 |	11

What was the most common wild plant that Miss Wheeler found?

What was the least common wild plant that Miss Wheeler found?

How many buttercups and daisies did Miss Wheeler find altogether?

How many yellow wild plants did Miss Wheeler find?

Lesson 4 Gathering data and recording results







Finding wild flowers



I really enjoyed my wild plant hunt in Worcester. What is the most common wild plant in your garden/area? How can you find out?

Gathering data

Go for a walk in your garden/local area

How many wild plants can you spot? What is the most common wild plant? How will you record your results?

Where was the best place to find wild plants? Why?



Results – what did you find out?

Count up the marks of on your tally chart and write the total number in the box at the end.

Let's find out which plant you saw the most times.

Which was the most common wild plant?

Wild Plant	Tally	Number
Dandelion 	𝍸 |	6

Lesson 5
Observing changes over time



Keeping a pet dandelion

How long will it take?

About 20-30 minutes to plant the dandelion, then several weeks of watching and observing

What you will need

*A plant pot
*Soil or compost
*A dandelion growing somewhere you can dig it out without damaging its long root.

Useful information

- Many plants are known as weeds because they are successful at growing where more delicate species would die. Dandelions are strong plants. In fact, the trauma of being dug up will actually stress the plant and cause it to produce more flowers, rather than killing it. Eventually it's likely to die in the pot.



Keeping a pet dandelion

Step-by-step guide



1. Half-fill the pot with soil or compost

2. Dig up a dandelion (you must get most of the long root up with it or it will quickly die)



3. Plant it in the pot, and firm it in with more soil or compost

4. Water it well, then put it on a windowsill

5. Look at it regularly. You should see it grow buds, then the flowers will open, then they'll die, and finally the seed clock will form.



6. Keep a diary of how your pet dandelion changes over time.

Keeping a pet dandelion

Keep a diary to record what happened to your pet dandelion.

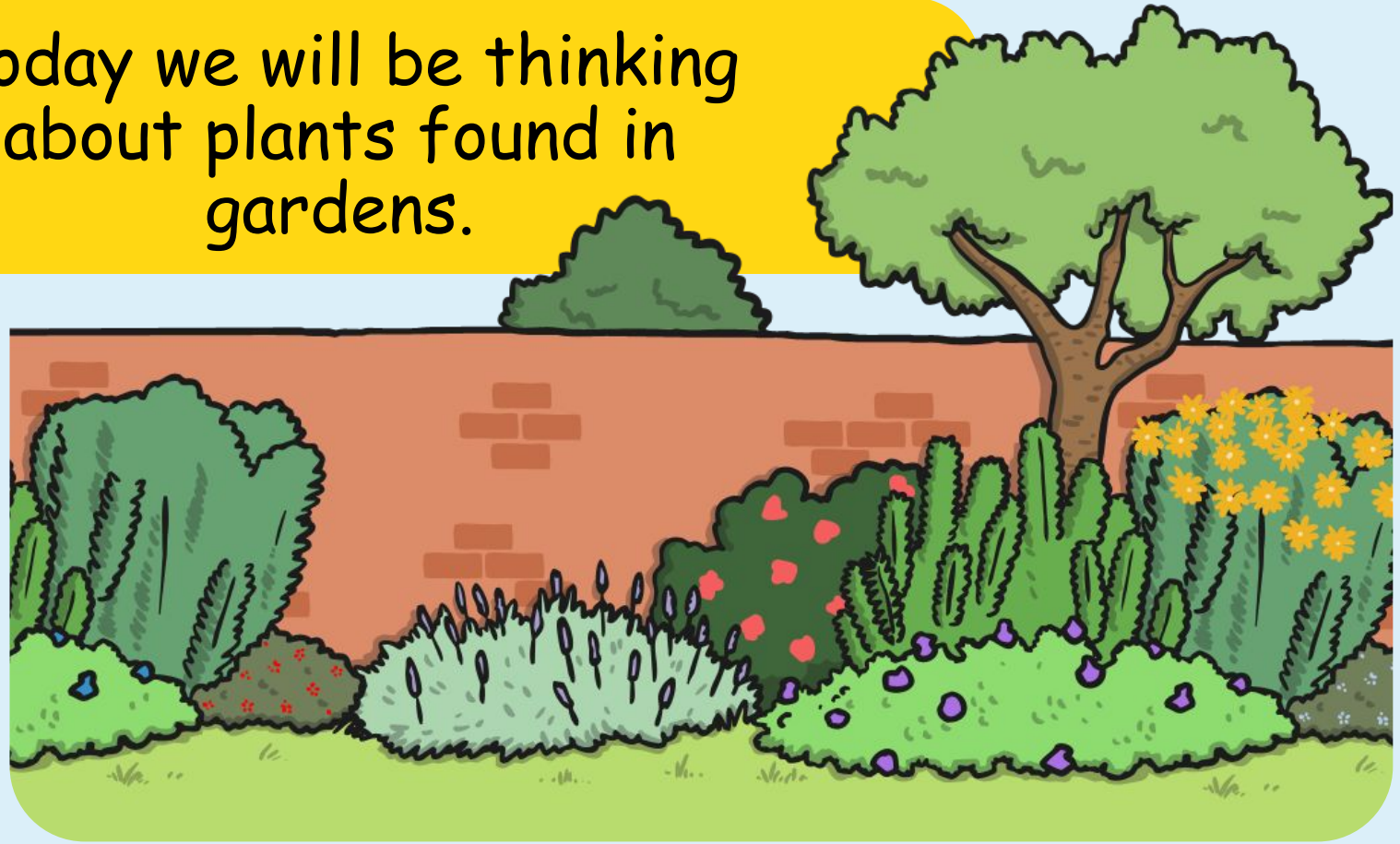
What did you notice? What changed/stayed the same?

Take some photos or draw some pictures to help you to remember.



Lesson 6
Identifying garden plants

Today we will be thinking about plants found in gardens.



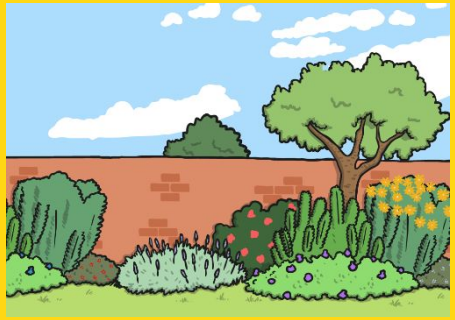
Naming garden plants

Gardens are places where people grow plants.

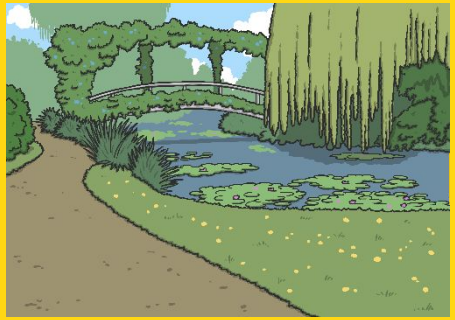
Some people grow plants because they are nice to look at.

Some people use their gardens for growing things to eat.

You might have a garden where you live.



A public park is a kind of garden for lots of people to enjoy.



Did you know that the most popular garden plant is grass?

Grass is a special kind of plant that looks good and is comfortable to walk on and sit on.

You can have a picnic on the grass.



You can play games on the grass.



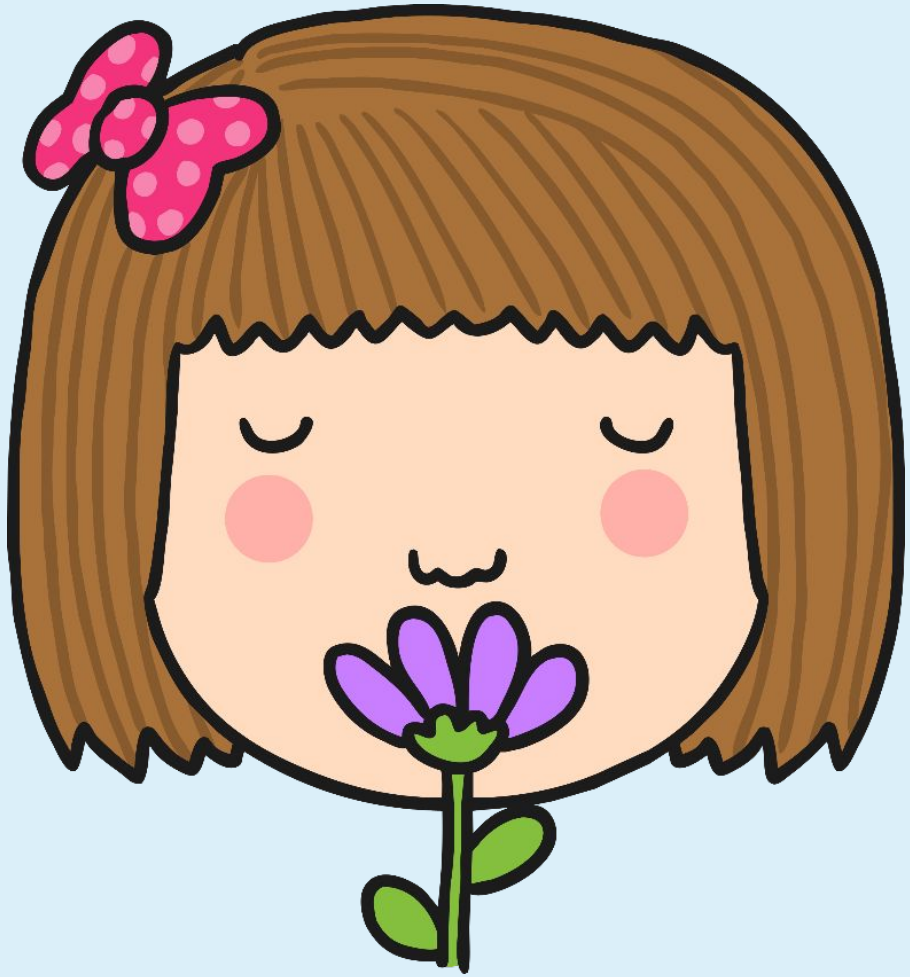
You can go for a walk on the grass.



Think of a garden that you like
to spend time in.

It could be your own garden, a garden that you like to visit, or it could be a public garden or park.

Which garden is a happy place for you?



My favourite garden

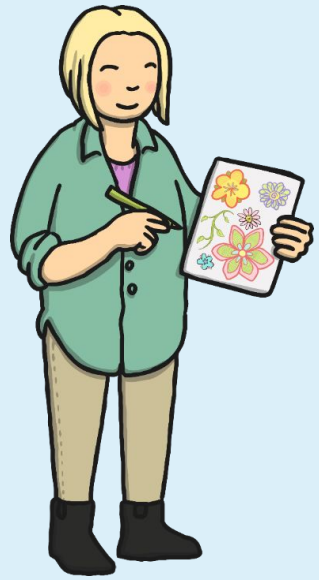
Take photos of your favourite garden.

What can you see/hear/touch/smell?

What plant is your favourite plant in your garden. Why?

Find your favourite plant and draw it.

Do you know the name of your favourite plant? Can you describe it? How is it similar/different to the other plants?



Lesson 7
Identifying features ogarden plants



Common Garden Plants



buddleia



heather



clematis



lavender



lily



fuschia

Common Garden Plants



poppy



sunflower



sweetpea



rose



pansy



wisteria

Garden plants game 1

Step-by-step guide

1 Ask your children to choose a selection of items from their garden. Start with about five items, they can repeat this game with more when they are good at it.



2 Put the items on the table and talk about them with the children. Tell them the plant names, encourage them to count their petals, look at their shapes and notice which one is next to which.

3 Give them a few minutes to remember the things they find out.

4 Cover the items with a cloth. Leave the cloth on for two or three minutes. They mustn't say anything!



5 Ask them questions about the things under the cloth and test their memory.

6 Finally, remove the cloth and see if they remembered everything!

Lesson 8
Identifying features of garden plants

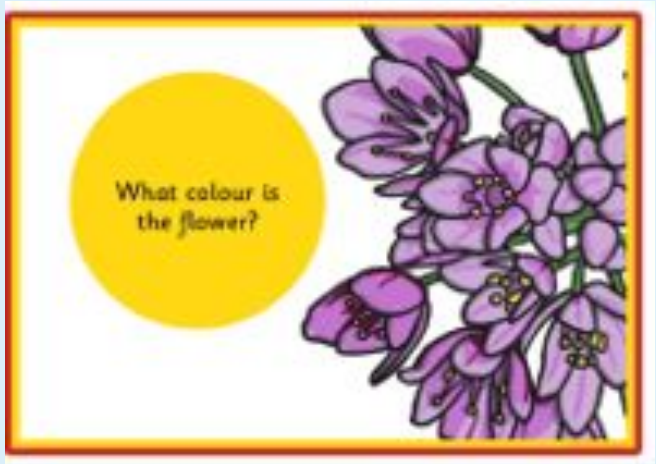
Names of common garden plants



Garden plants game
Nature detectives

Choose a plant from your garden. Find out as much as you can about the plant. Share what you have learnt with your family













Garden treasure hunt



Find and name the garden plant:

*A plant that is the same colour as your top
*A smelly plant
*A green plant
*A beautiful plant
*A plant that begins with the letter t
*A tall plant
*A small plant

To help you to get better at naming plants in your garden. We have designed a treasure hunt for you. We hope that you enjoy it!

Lesson 9
Sorting plants





Can you name and sort the plants below? Tell your family how you sorted them and why.























