Science

Plants

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Terrific Trees

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Aim

- To identify and name some common trees.

Success Criteria

- I can say what an evergreen tree is and what a deciduous tree is.
- I can name and identify some evergreen trees.
- I can name and identify some deciduous trees.
- I can use leaves to identify and name trees.

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Meet Quizby!

Can you spot me in the Lesson Presentation?

The questions that appear will help you to think about the key learning throughout the lesson.

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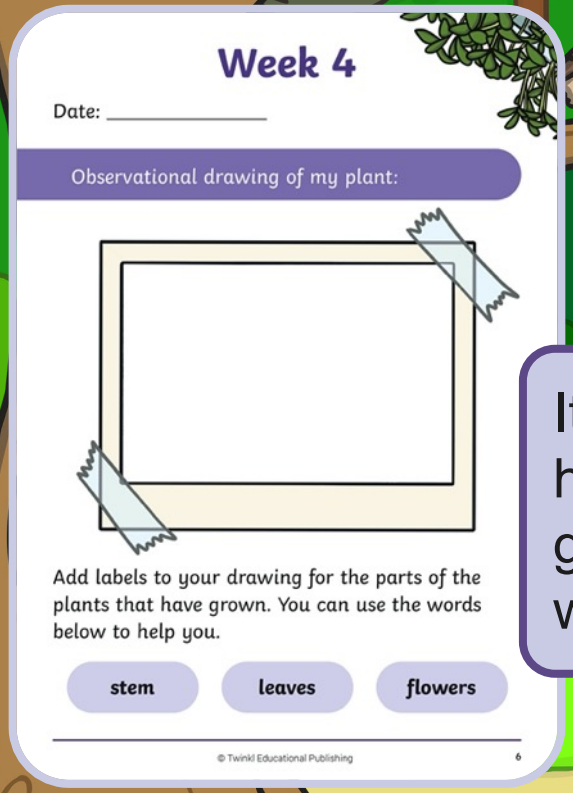
Remember It

Whole Class

In our first lesson, we planted **seeds**
Now let's have a look at them to see if they have started to grow.


Week 4

Date: _____

Observational drawing of my plant:

Add labels to your drawing for the parts of the plants that have grown. You can use the words below to help you.

stem leaves flowers

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On page 6 of your Plant Diary , draw how the plant looks today.

It's OK if the plant hasn't started to grow yet, just draw what you see!

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Remember It

Whole Class

Wild Plants

Can you help to fill in the missing names of these plants from our Knowledge Organiser?

dandelion

daisies

buttercups

nettles

ivy

dog rose

clover

bramble

Can you spot a plant that could also be a garden plant? Why can it be both?

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Remember It

Whole Class

Garden Plants

Can you help to fill in the missing names of these plants from our Knowledge Organiser?

fuchsia

pansies

sweet pea

sunflower

rose

lavender

iris

Have you seen any of these plants in real life?
Can you tell me a fact about one of them?

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Perfect Plants

Whole Class

Let's find out all about **trees** in our Perfect Plants eBook.

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The Parts of a Tree

Tell your partner what you have learnt about trees from our eBook.

Which **parts** of this tree can you see?

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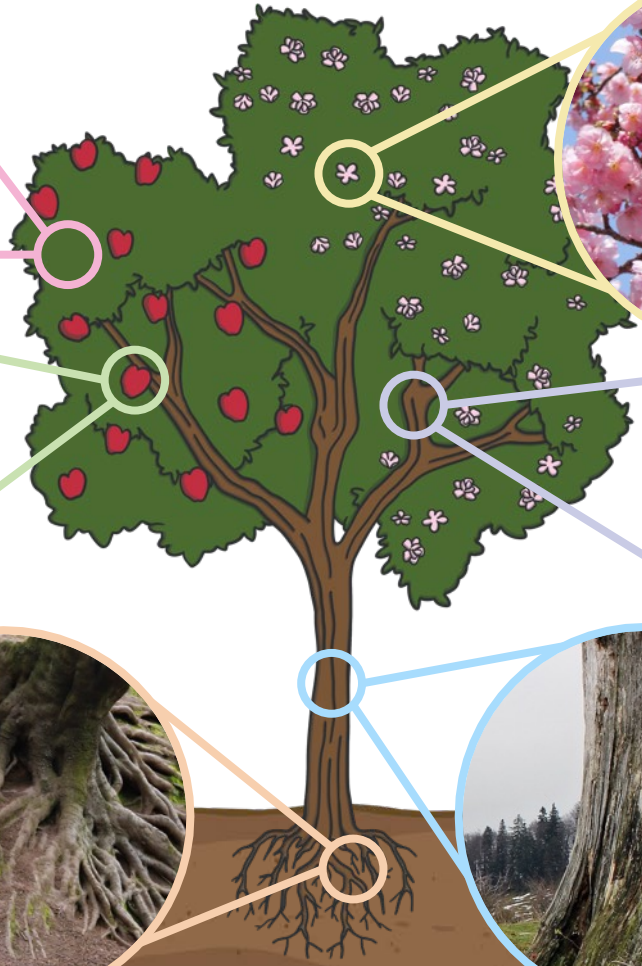
The Parts of a Tree

Whole Class

Can you name each part of the tree?



These are **leaves**.

This is **blossom**. In spring some deciduous plants have lots of flowers. We call this blossom.

This is **fruit** .

These are **branches**.

These are**roots**. Tree roots grow underground, but can sometimes be seen above ground like this.

This is the **trunk** . The outside part of a trunk is called **bark**.

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The Parts of a Tree

Whole Class

Tree Fruit

Many trees have **fruit** . Some of the **fruit** can be eaten by people, such as oranges, apples and pears.

Some of the **fruit** is **poisonous** to people, but birds and other animals can eat them.

Holly berries are **poisonous** to people but robins love them!

Poisonous definition

juniper berries

holly berries

pears

apples

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The Parts of a Tree

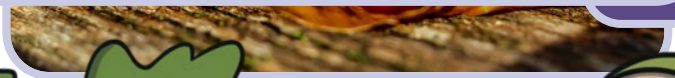
Some trees produce **nuts**. Some animals eat **nuts**, and some people eat them too.

sweet chestnuts

Did You Know…?

Some people are **allergic** to nuts (they can make them ill), so it's important not to bring them into school if anybody has an **allergy**.

rse chestnuts (conkers)



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ts, such ts,
by mals
eat a wo an nestnu but
creature ve them. hey shouldn't be eat by people.

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The Parts of a Tree

Whole Class

Some trees produce **cones**.

Scots pine cones

cedar cones

spruce cones

Wh Cones contain seeds. o?

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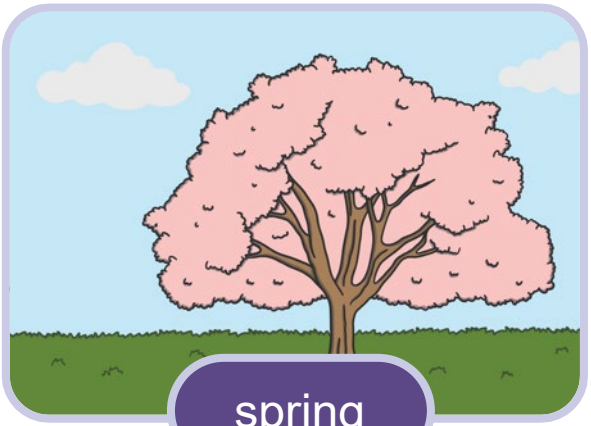
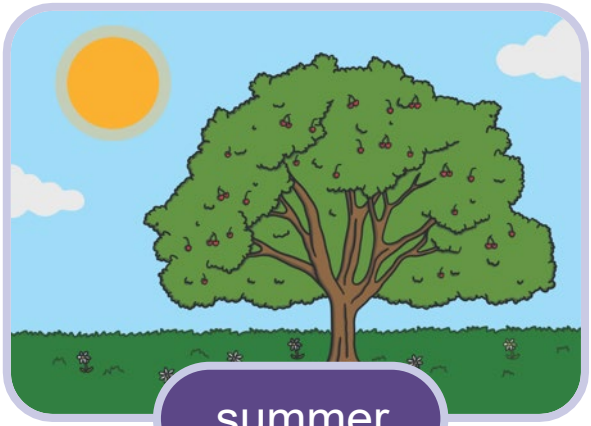
Deciduous Trees

Whole Class

In autumn, **deciduous trees** lose all of their leaves.

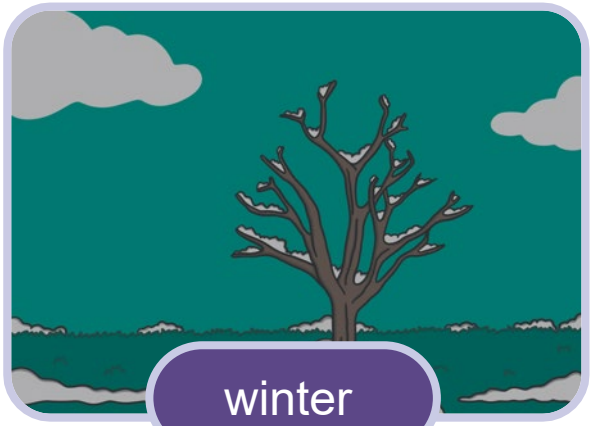


spring



summer

autumn



winter

Can you say what a **deciduous tree** is?

X

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Deciduous Trees

Can you use the photo clues to help you to name the tree?

apple

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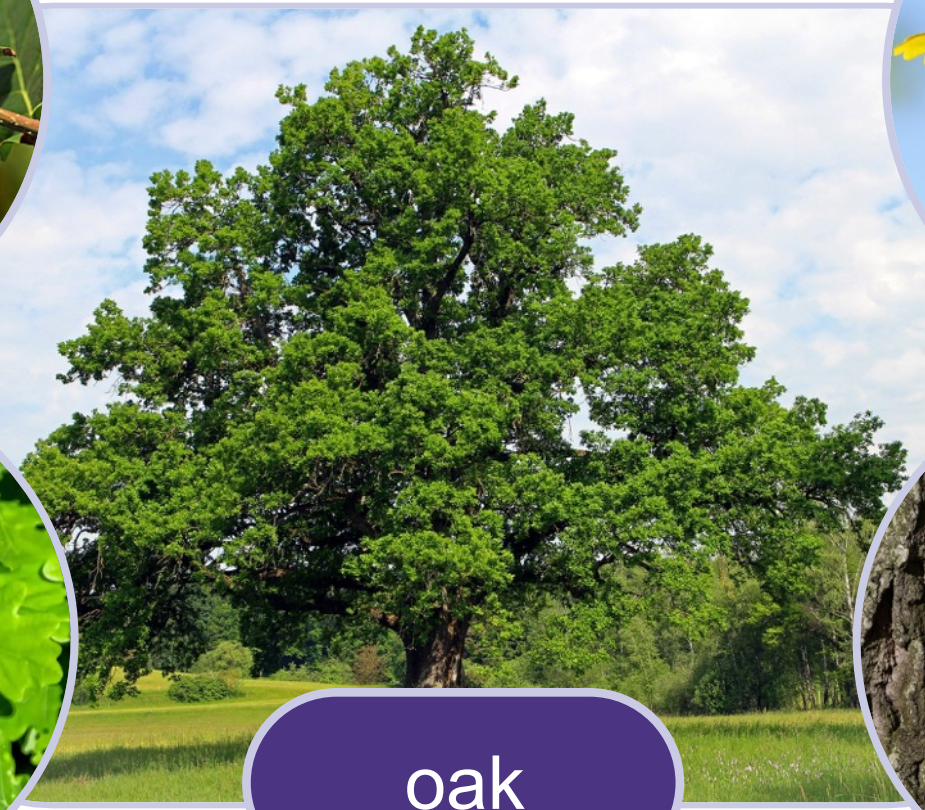
Deciduous Trees

Can you use the photo clues to help you to name the tree?



oak

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Deciduous Trees

Can you use the photo clues to help you to name the tree?

beech

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Deciduous Trees

Can you use the photo clues to help you to name the tree?

horse chestnut

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Deciduous Trees

Can you use the photo clues to help you to name the tree?

maple

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Deciduous Trees

Can you use the photo clues to help you to name the tree?

hawthorn

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Deciduous Trees

Can you use the photo clues to help you to name the tree?

Can you name and identify **deciduous trees**?

X

ycamore

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Evergreen Trees

Whole Class

Evergreen trees keep their leavesall year round.

Did You Know…?

Evergreen trees can grow flowers too.

Holly trees have very small white flowers.

Can you say what an **evergreen tree** is?

X

autumn

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Evergreen Trees

Can you use the photo clues to help you to name the tree?

cedar

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Evergreen Trees

Can you use the photo clues to help you to name the tree?

holly

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Evergreen Trees

Can you use the photo clues to help you to name the tree?

yew

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Evergreen Trees

Can you use the photo clues to help you to name the tree?

spruce

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Evergreen Trees

Can you use the photo clues to help you to name the tree?

Can you identify and name **evergreen trees**?

cypress

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Tree Identification

How would you describe these leaves?
Can you tell what trees they belong to?

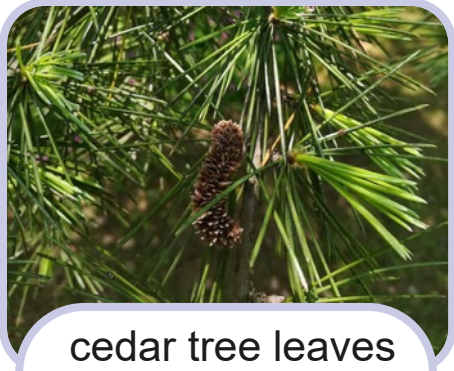
chestnut tree leaves (deciduous)

oak tree leaves (deciduous)

maple tree leaves (deciduous)

pear tree leaves (deciduous)

spruce tree leaves (evergreen)



cedar tree leaves (evergreen)

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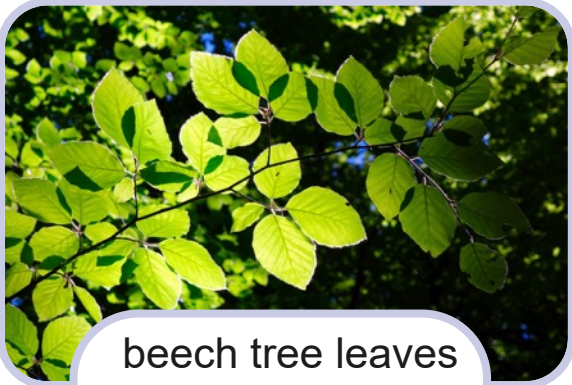
Tree Identification

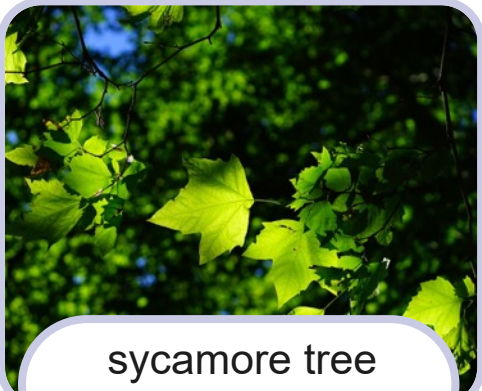
Whole Class

There are so many different types of tree. How would you describe these leaves? Can you tell what trees they belong to?

apple tree leaves (deciduous)



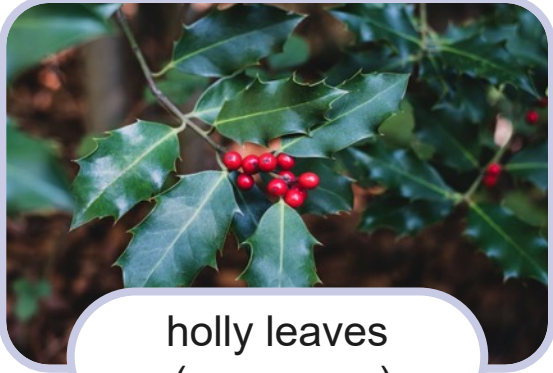
beech tree leaves (deciduous)



sycamore tree leaves (deciduous)

hazel tree leaves (deciduous)

yew tree leaves (evergreen)



holly leaves (evergreen)

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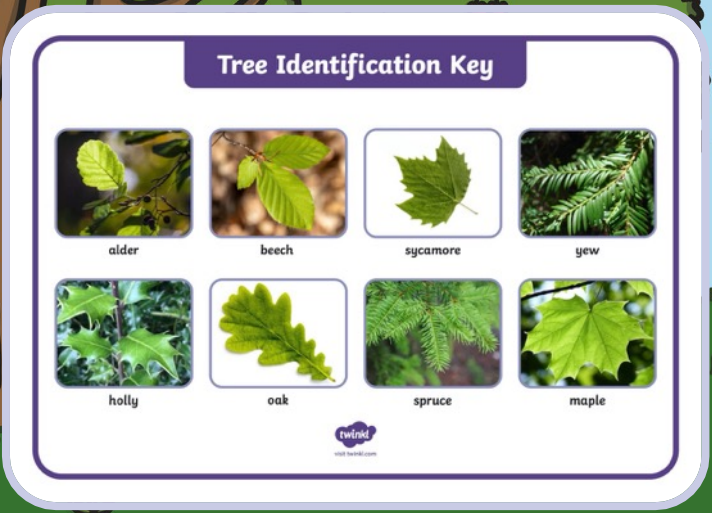
Which Tree Is It?

You are going to be a **tree investigator** !

Use the Tree Key to try to identify trees around school/on the Which Tree Is It? Activity Sheet.
Teacher Note - please delete as appropriate



Can you use leaves to identify and name trees?

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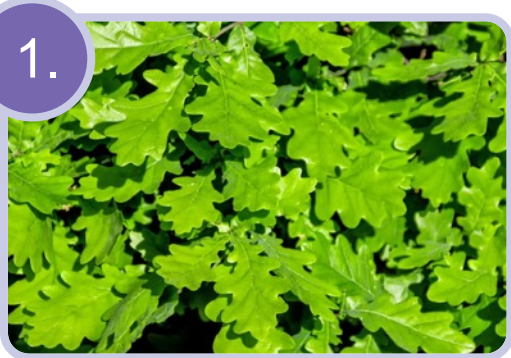
Tree Leaf Sorting

Work with a partner to **sort the leaves**.

You could choose to sort them by their colour, into ‘evergreen’ or ‘deciduous’ groups, or any other way you choose. Make sure you can explain how you have sorted them!

1. 

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3.

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6.

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Aim

- To Identify and name some common trees.

Success Criteria

- I can say what an evergreen tree is and what a deciduous tree is.
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Science: Terrific Trees

Aim	**Lesson Duration**
Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. Observing closely, using simple equipment. Identifying and classifying. To identify and name some common trees.	All timings are approximate. 60-90 minutes depending on main activity chosen.

Success Criteria

I can say what an evergreen tree is and what a deciduous tree is.

I can name and identify some evergreen trees.

I can name and identify some deciduous trees.

I can use leaves to identify and name trees.

Standard School Equipment	**Preparation**
Magnifying glasses (if required)	**Tree Identification Key** - per child/pair, as required **Which Tree Is It? Activity Sheet** - per child, if required

Key Vocabulary

Tree, **roots, leaves, fruit, deciduous, evergreen**, nuts, cones, trunk, bark, branches, blossom, identify, identification, oak, horse chestnut, cedar, beech, maple, hawthorn, sycamore, holly, yew, spruce, cypress.

Prior Learning: In the previous lesson, children learnt to identify and name a variety of garden and wild plants.

Learning Sequence

Whole Class	**Remember It**: Allow the children 5 -10 minutes at the beginning of the lesson to look at how their seeds are growing and to make an observational drawing using their **Plant Diary** from lesson 1. Show the children the 'wild plants' and 'garden plants' sections of the Knowledge Organiser on the **Lesson Presentation**. Ask the children to discuss what they think the missing information is. Reveal the answers.	10 mins
Whole Class	**Perfect Plants**: Read pages 21 to 30 of the **Perfect Plants eBook** together on the **Lesson Presentation** to find out about trees.	10 mins
	The Parts of a Tree: Discuss what children have learnt from the **eBook**. With a partner, children use the photographs on the **Lesson Presentation** to name each part of the tree. Explain that some trees grow fruit, nuts and cones and what these are for. Explain that not all nuts and fruits can be eaten by people (and that some people have allergies).	5 mins
	Deciduous Trees: Look at the oak tree through the seasons on the **Lesson Presentation** to remind children that deciduous trees lose their leaves in autumn. Children then see if they can name the deciduous trees shown, using the picture clues to help them. Can the children say what a deciduous tree is? Can the children name and identify deciduous trees?	5 mins
	Evergreen Trees: Look at the pine tree through the seasons on the **Lesson Presentation** to remind children that evergreen trees keep their leaves all year round. Children then see if they can name the evergreen trees shown, using the picture clues to help them. Can the children say what an evergreen tree is? Can the children identify and name evergreen trees?	5 mins
Whole Class	**Tree Identification**: Explain to the children that different parts of a tree can be used to help us to identify it. Show the children the leaves on the **Lesson Presentation**. Discuss how the leaves of each tree are different. Ask the children to describe each leaf.	5 mins

Learning Sequence

	Which Tree Is It? Explain to the children that they are going to be investigating which trees are in their local area using the **Tree Identification Key** to help them. Take the children into the school environment with supervision to look at the trees there. If your school does not have access to trees, the children can instead use the **What Tree Is It? Activity Sheet** and identify the trees on that. Please delete, as appropriate, the sentence on the **Lesson Presentation** to reflect which activity you will be completing. If there are fallen leaves available for collecting, the children could use these to observe the leaves more carefully, using magnifying glasses. The leaves could be taken back to class to add to a working wall. **Can the children use leaves to identify and name trees?** With support, children use the **Tree Identification Key** to identify the trees in their school environment. Children use the **Tree Identification Key** to identify the trees in their school environment. Children use the **Tree Identification Key** to identify the trees in their school environment. Children can then collect examples of (or draw) unknown leaves for further research.	15 mins for activity sheet or 45 mins if finding real trees
	Tree Leaf Sorting: Ask the children to work in pairs to sort the leaves on the **Lesson Presentation**. They can choose the groups they sort the leaves into, but must be able to explain their choices.	

Exploreit

Investigateit: Children create bark rubbings of the trees in their school environment or local area to investigate if the bark of different trees are different to each other. Children could then create a key to identify trees by their bark using the **Tree Key Template**.

Researchit: Children use simple secondary resources, such as books or the **Perfect Plants eBook**, to research the names of other trees they have seen.

Reasonit

Children discuss **Reasoning Cards: Trees**. They identify, name, describe and sort the trees shown.

Assessment

Scientific Knowledge	
Working Towards the Expected Level With support, children name some deciduous and evergreen trees. They begin to name the parts of a tree.	Children:
Working At the Expected Level Children identify and name a variety of deciduous and evergreen trees. They identify, name and describe the basic parts of a tree.	Children:
Working At Greater Depth Children identify and name a variety of deciduous and evergreen trees. They identify, name and describe the parts of a tree, drawing comparisons.	Children:
Working Scientifically	
Working Towards the Expected Level With support, children begin to observe the natural world around them.	Children:
Working At the Expected Level Children can observe the natural world around them.	Children:
Working At Greater Depth Children can observe the natural world around them and compare simple features of objects, materials and living things.	Children:

Aim: To identify and name some common trees .				Date:					
				Delivered By:			Support:		
Success Criteria	**Me**	**Friend**	**Teacher**	**T**	**PPA**	**S**	**I**	**AL**	**GP**
I can say what an evergreen tree is and what a deciduous tree is.				**Notes/Evidence**					
I can name and identify some evergreen trees.									
I can name and identify some deciduous trees.									
I can use leaves to identify and name trees.									

Next Steps

- _____
- _____

T	Teacher	**I**	Independent
PPA	Planning, Preparation and Assessment	**AL**	Adult Led
S	Supply	**GP**	Guided Practice

Aim: To Identify and name some common trees .				Date:					
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- _____
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Plants | Terrific Trees

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