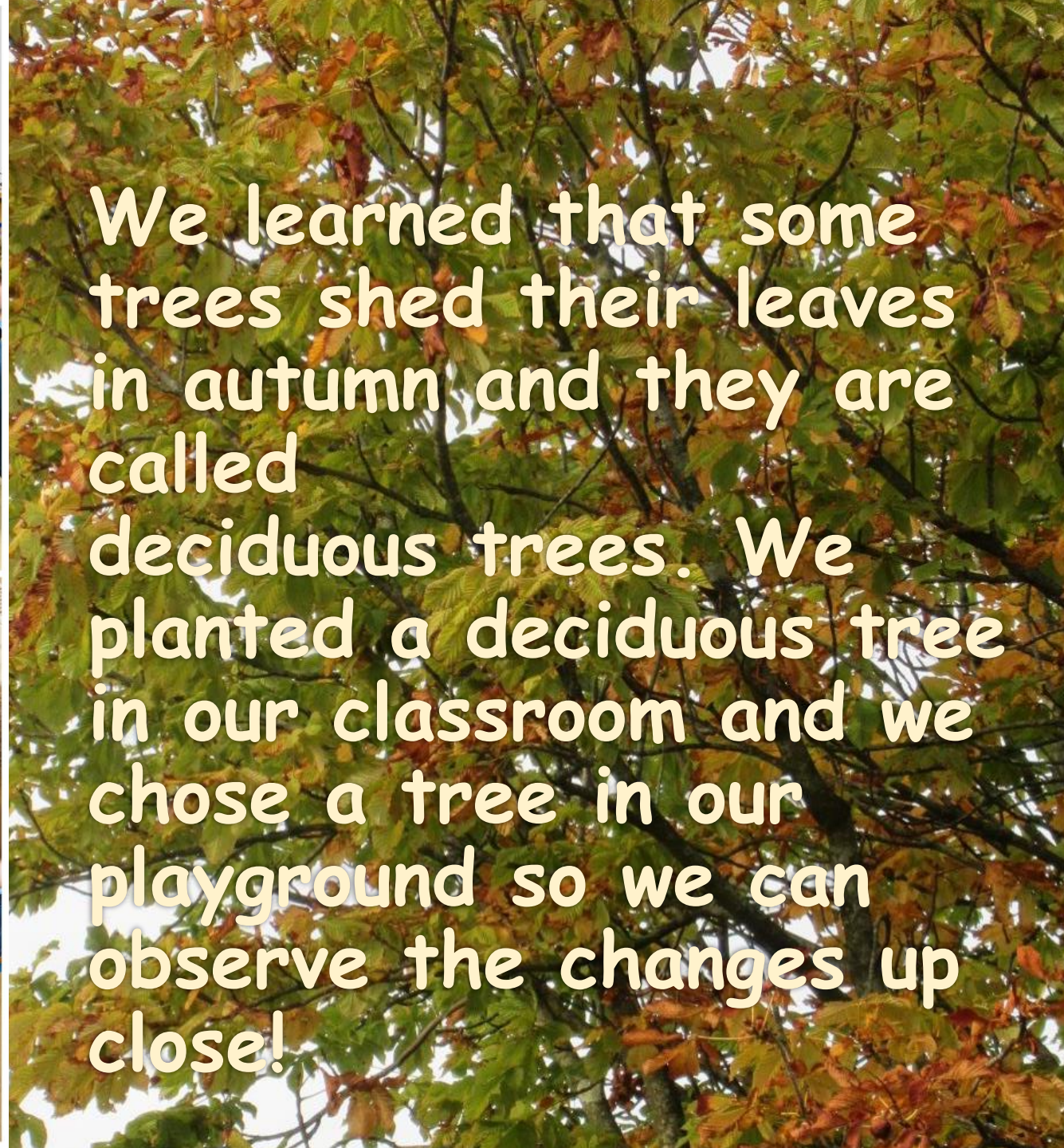


A decorative border of autumn leaves in shades of red, orange, and yellow, arranged in a curved path along the left and bottom edges of the slide. Two leaves on the left have bright white circular highlights.

# Colourfall

St. Finian's N.S.





We learned that some trees shed their leaves in autumn and they are called deciduous trees. We planted a deciduous tree in our classroom and we chose a tree in our playground so we can observe the changes up close!





## Meet our Tree:

This is our tree in our playground. It is a beech tree and its Irish name is Feá.

Habitat: Beech trees can often be found in woodlands.

Leaf: A Beech leaf can reach lengths of 10cm. Although the beech tree is deciduous, its leaves stay on for a much longer time than most other deciduous trees.

Average Tree Height: 24 m



# Some of our questions!

Instructions:

- Go outside and look at the leaves. They are changing!
- OBSERVE. Look, smell, feel, and listen to the leaves. What do you notice? What do you wonder?
- Write or sketch one thing you noticed and one thing you wonder about the leaves.

What do you notice?

They were changing  
We're colour



What do you wonder?

How do they make food in winter?



Instructions:

- Go outside and look at the leaves. They are changing!
- OBSERVE. Look, smell, feel, and listen to the leaves. What do you notice? What do you wonder?
- Write or sketch one thing you noticed and one thing you wonder about the leaves.

What do you notice?

They were small and big. Some were changing colour.



What do you wonder?

How do they make food in winter?



Instructions:

- Go outside and look at the leaves. They are changing!
- OBSERVE. Look, smell, feel, and listen to the leaves. What do you notice? What do you wonder?
- Write or sketch one thing you noticed and one thing you wonder about the leaves.

What do you notice?

They were changing colour



What do you wonder?

Why do they change?



## Our leaves are changing!

Instructions:

- Go outside and look at the leaves. They are changing!
- OBSERVE. Look, smell, feel, and listen to the leaves. What do you notice? What do you wonder?
- Write or sketch one thing you noticed and one thing you wonder about the leaves.

What do you notice?

I notice that some were on the ground and they were orange.



What do you wonder?

I wonder why some were purple.



Instructions:

- Go outside and look at the leaves. They are changing!
- OBSERVE. Look, smell, feel, and listen to the leaves. What do you notice? What do you wonder?
- Write or sketch one thing you noticed and one thing you wonder about the leaves.

What do you notice?

They were all different shades



What do you wonder?

Why do leaves change colour?



## Our leaves are changing!

Instructions:

- Go outside and look at the leaves. They are changing!
- OBSERVE. Look, smell, feel, and listen to the leaves. What do you notice? What do you wonder?
- Write or sketch one thing you noticed and one thing you wonder about the leaves.

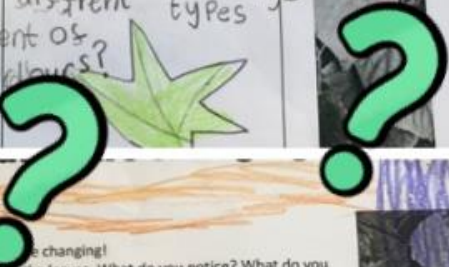
What do you notice?

I notice that the leaves that were on the ground were different types of leaves.



What do you wonder?

I wonder why do they change different types of leaves?



## Our leaves are changing!

Instructions:

- Go outside and look at the leaves. They are changing!
- OBSERVE. Look, smell, feel, and listen to the leaves. What do you notice? What do you wonder?
- Write or sketch one thing you noticed and one thing you wonder about the leaves.

What do you notice?

They are changing colour.



What do you wonder?

How do trees eat in winter?



## Our leaves are changing!

Instructions:

- Go outside and look at the leaves. They are changing!
- OBSERVE. Look, smell, feel, and listen to the leaves. What do you notice? What do you wonder?
- Write or sketch one thing you noticed and one thing you wonder about the leaves.

What do you notice?

They were changing colour.



What do you wonder?

I wonder why leaves change colour?



Instructions:

- Go outside and look at the leaves. They are changing!
- OBSERVE. Look, smell, feel, and listen to the leaves. What do you notice? What do you wonder?
- Write or sketch one thing you noticed and one thing you wonder about the leaves.

What do you notice?

Some of the leaves were on the ground.



What do you wonder?

How do the leaves come back on the trees?





We worked as citizen scientists to observe and record changes in our tree!

## Our First Leaf Observation!







**Our Third Observation. Our leaves are still green but we can**



**see some changes in our yard!**





# Observing some changes in our adopted leaves!

## Observe Green-down

The GLOBE Program

### Instructions:

1. Gather your supplies:  
☐ Pencil  
☐ Crayon

2. Go outside and check your adopted 4 leaves.
3. What colour is each leaf? Match the colour on the GLOBE leaf color chart to each leaf. You can also colour the leaf in with a crayon that matches.
4. If the leaf has more than one colour, write the colour that takes up most of the leaf.
5. If the leaf has fallen, write "fallen" in the leaf.



Leaf 1



Leaf 2



Leaf 3



Leaf 4

Credit: GLOBE Grandma series for primary grades, Arctic and Earth SIGNs project. C. Villano



Leaf 1



Leaf 2



Leaf 3



Leaf 4

Credit: GLOBE Grandma series for primary grades, Arctic and Earth SIGNs project. C. Villano

## Observe Green-down

Date 23-10-2023

Your name Brahm

Tree name Beech

### Instructions:

1. Gather your supplies:  
☐ Pencil  
☐ Crayon

2. Go outside and check your adopted 4 leaves.

3. What colour is each leaf? Match the colour on the GLOBE leaf color chart to each leaf. You can also colour the leaf in with a crayon that matches.
4. If the leaf has more than one colour, write the colour that takes up most of the leaf.
5. If the leaf has fallen, write "fallen" in the leaf.

Example:



Leaf 1



The image is a collage of autumn-themed photographs. On the left, a large tree with vibrant yellow and orange leaves stands in front of a wooden fence. On the right, a group of children in school uniforms are playing in a paved schoolyard, with a large tree displaying autumn foliage in the background. A dark blue oval bubble is centered over the images, containing yellow text.

**Back to school after our  
Halloween break and we  
were very excited to  
observe if there were any  
changes!**





**Observation 7/11/23:  
Our first leaf has fallen!**







# Observe Green-down

Date 09/11/23

Your name Ashley

Tree name Beech

## Instructions:

1. Gather your supplies:

- ☐ GLOBE Plant Colour Guide
- ☐ Pencil

**We recorded lots of  
changes this week!**

2. Go outside and check your adopted 4 leaves.

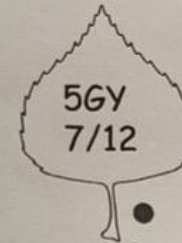
3. When colouring, match the colour on the GLOBE leaf color chart to each leaf.

4. Write the colour code on the corresponding leaf below. You can also colour the leaf in with a crayon that matches.

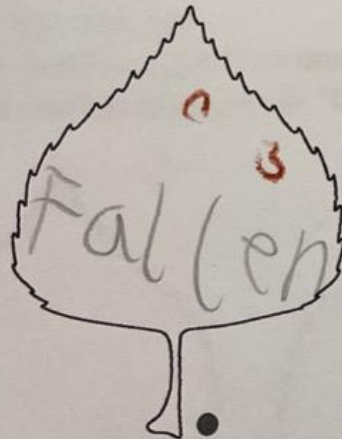
5. If the leaf has more than one colour, write the colour that takes up most of the leaf.

6. If the leaf has fallen, write "fallen" in the leaf.

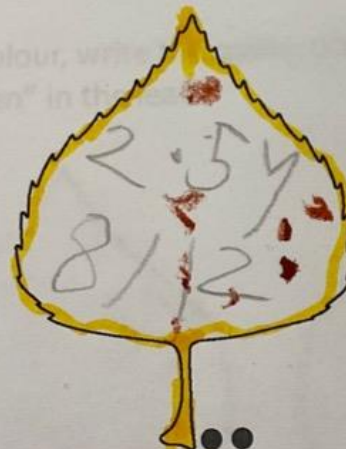
Example:



Leaf 1



Leaf 1



Leaf 2



Leaf 3



Leaf 4





# What we recorded...

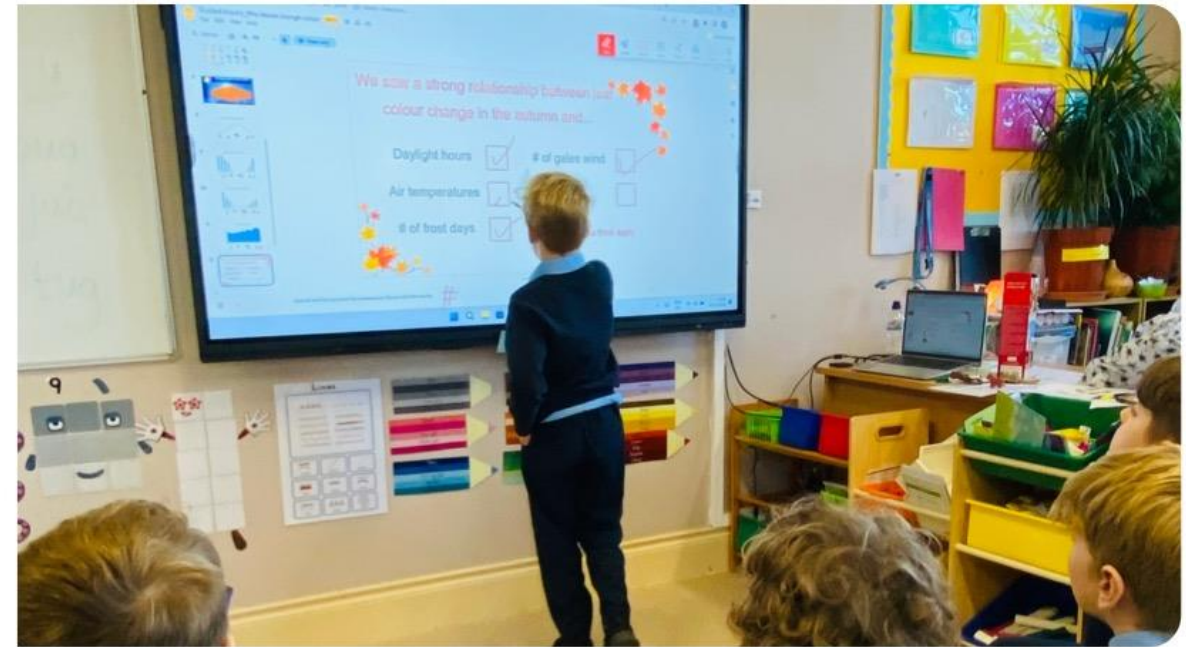


	12/10/ 23	16/10/ 23	20/10/2 3	23/10/2 3	25/10/2 3	7/11/23	9/11/2 3	15/11/ 23	17/11/2 3	
Leaf 1	5GY 3/2	5GY 3/2	5GY 4/8	5GY 4/8	5GY 4/8	Fallen	Fallen	Fallen	Fallen	
Leaf 2	5GY 3/2	5GY 3/2	5GY 4/8	5GY 4/8	5GY 5/10	5GY 6/10	2.5Y 8/12	5YR 7/12	5YR 7/12	
Leaf 3	5GY 3/2	5GY 3/2	5GY 3/2	5GY 3/2	5GY 5/10	5GY 7/12	5GY 7/12	2.5Y 8/12	2.5Y 8/12	
Leaf 4	5GY 3/2	5GY 3/2	5GY 3/2	5GY 3/2	5GY 5/10	5GY 7/12	5GY 7/12	2.5Y 8/12	2.5Y 8/12	





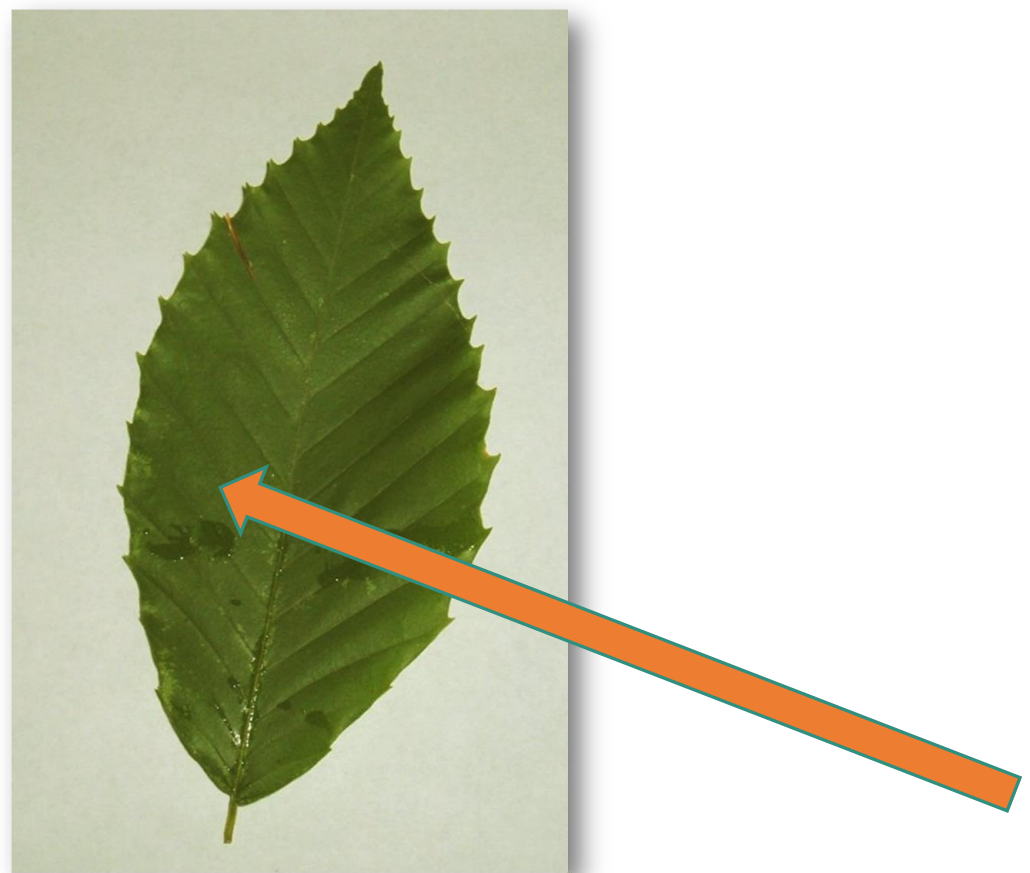
**Using some information from Sabrina and Globe Ireland to think about why the leaves might change colour!**







**What we learned...**  
**We know that leaves help**  
**trees to make food.**  
**The leaves need air, water**  
**and light to make food.**



**All over the leaf are tiny tubes**  
**called veins.**

**The veins carry food all around**  
**the tree.**





**As the days get shorter  
the deciduous trees know  
it is time to get ready to  
rest for winter.**

**They will not be able to  
make food in the winter.**



The green colour starts to fade from the leaves and we begin to see other colours underneath. Then the leaves fall down!







Some of our interesting leaf finds!





# Our leaf art!







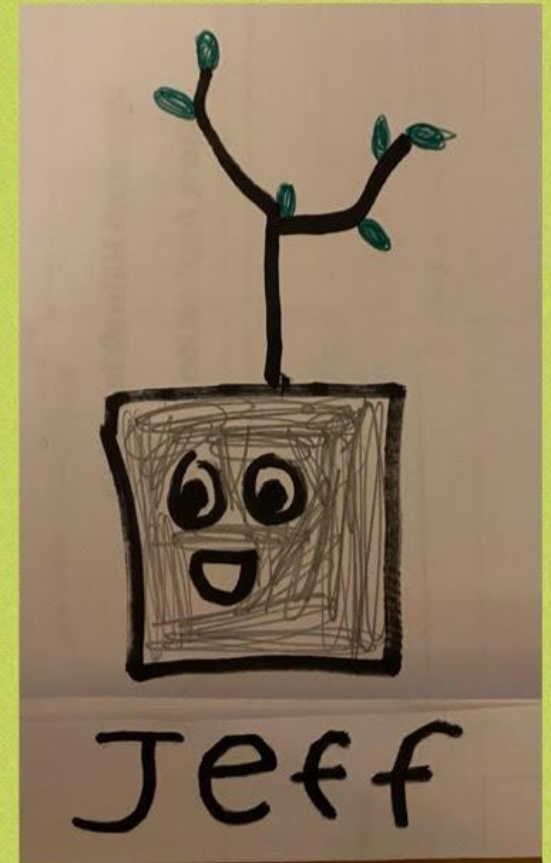
What we are going to think about next...

We have noticed that the leaves on the top of the tree are changing colour faster than our adopted leaves at the bottom of the tree! We wonder why?





Jeff, our hazel tree was left on top of the radiator. He lost his leaves but he has started to grow buds already! Does air temperature affect our trees?





We have loved this project.

Thank you so much from our team!

