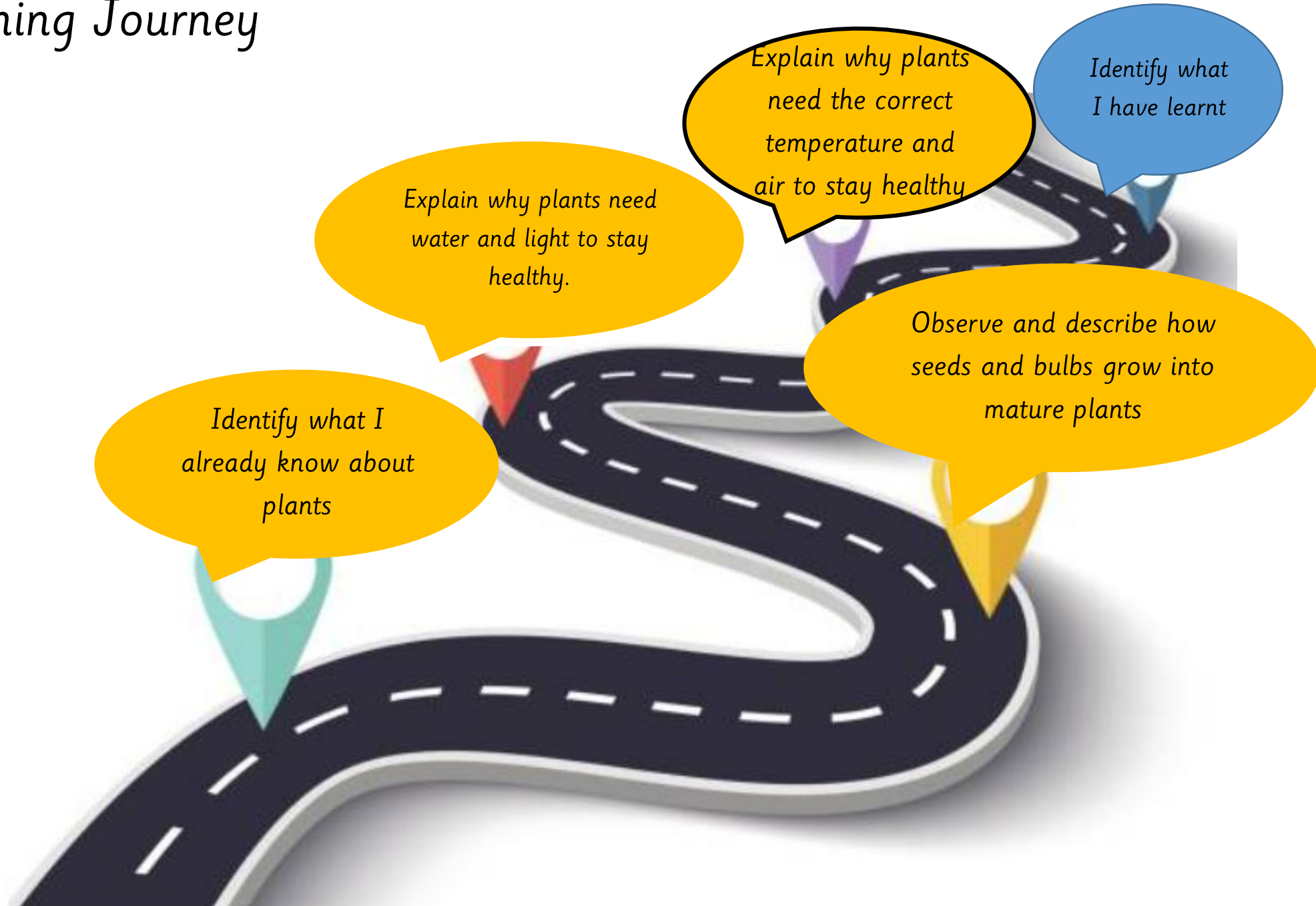


# Our Science Learning Journey



## Key vocabulary:

experiment, predict, observe,  
plant, seeds, water, sunlight,  
soil, temperature, deciduous,  
evergreen, beans

WB 13th May 2025



*LQ: Can I explain why plants need the correct temperature and air to stay healthy?*

## Steps to Success



*All: I can observe and describe how plants need a suitable temperature to grow and stay healthy.*

*Most: I can identify that the temperature of a plant can affect its growth.*

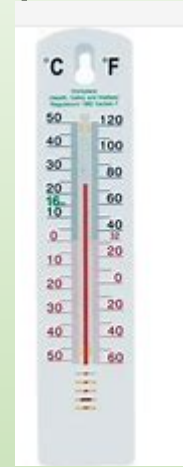
*Some: I can compare plants grown in different temperatures.*



# STAR WORDS

*germinate*

*Temperature*



*observe*



*grow*



*seedling*



*photosynthesis*

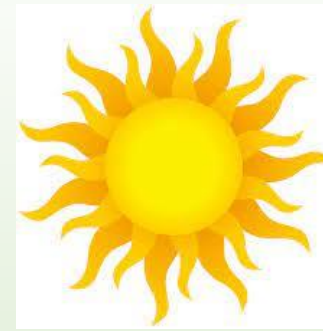


*sunlight*



LQ: Can I explain why plants need the correct temperature and air to stay healthy?

Starter: *Let's recap from previous learning.* **Quick recap**



*TPs: What are the four things a plant needs to grow and stay healthy? Why do they need these nutrients?*

*TPs: What is seed germination?*

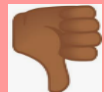
*TPs: What is photosynthesis?*

*TPs: Can you name the parts of the plant? Explain their functions.*

Reveal after

Self - Assessment:

*Do you understand the function of the different parts of the plant?*



LQ: Can I explain why plants need the correct temperature and air to stay healthy?

*Let's recap our learning:*

*TPs- What have we been doing over the past four weeks?*

*Have you seen any changes?*



*Over the past four weeks we have planted seeds in different locations.*

*We planted one seed in the secret garden where it has water and sunlight and planted two other seeds one on the windowsill and one in the cupboard both without water.*

*We have carried out weekly observations to monitor and record the changes within the plant. We have also planted chickpeas and garlic in our classes, let's also check to see if these have germinated. .*

*How they changed? Have they germinated?*



LQ: Can I explain why plants need the correct temperature and air to stay healthy?

Now let's go to the secret garden to check on our plants and the ones in the classroom to compare their growth.

Now that we have observed our plants in the three different locations:

1. The secret garden (**natural sunlight**)
2. Windowsill in our classroom (**no water**)
3. Cupboard in the classroom (**no sunlight, no water**)



Week 1	Week 2
Week 3	Week 4

Now let's write down our findings in our books

Let's use the star words to help us with our sentences:

Germinate

grow

photosynthesis

sprout

Seedlings

LQ: Can I explain why plants need the correct temperature and air to stay healthy?



# Task 1: Write what you observed today.

## Stem sentences:

Plants need light and water because..

The plant in the secret garden...

The plant on the windowsill..

The plant in the cupboard...

Sunlight is natural light...

Light is important when plants are germinating since....

Photosynthesis is happening because.....



Let's use the star words to help us with our sentences:

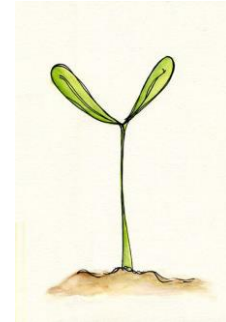
Germinate

grow

photosynthesis

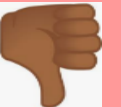
sprout

Seedlings



Self - Assessment:

Do you know what to do?



LQ: Can I explain why plants need the correct temperature and air to stay healthy?

Recap

Deciduous trees-

TPs. What are deciduous trees? What makes a tree

Deciduous tree?

Deciduous trees are trees that lose their leaves every year, usually in autumn. In autumn their leaves turn beautiful colours like red, orange, and yellow before falling off. Then, they take a rest during the winter, and when spring comes, they grow new green leaves again.

TPs. Can you name a type of deciduous tree?



Self - Assessment:

Do you understand what deciduous and evergreen trees are?





LQ: Can I explain why plants need the correct temperature and air to stay healthy?

Today we will be discussing the plants that we have grown. We have already talked about if the plant has germinated but now we are going to compare whether the plants growth has been affected by the temperature. Remember the temperature means how cold or hot the place is.

TPs. Do you think plants can survive in the cold? Why/ why not? Explain your reasoning.

TPs. Do you think plants can survive in the heat? Why/ Why not? Explain your reasoning.

LQ: Can I explain why plants need the correct temperature and air to stay healthy?

Let's re-look at the plants that we planted. Let's discuss and predict if we think the temperature in those places have affected the plants.

I predict that nearer the window it will be warmer so the plant on the windowsill will not be affected by the temperature...

TPS. What do you predict? Do you think the temperature in those different places affects the plants?

I predict that the temperature near the **windowsill** has/ has not affected the plant because.....

- 1) Windowsill
- 2) Cupboard
- 3) Classroom
- 4) Secret garden

LQ: Can I explain why plants need the correct temperature and air to stay healthy?

*TPs. How can we measure the temperature? What can we use?*

We can use a thermometer to check the temperature to see how warm and cold places are. Remember you read the numbers where the red line. You read a thermometer using Degrees Celsius .

Let's check the temperature of the different places of the plants and compare to see which place is warmer/ colder.

*TPs. Do you think the plant's growth has been affected by the weather seasonal changes? Why/ why not? Explain your answer.*

Let's go outside to the secret garden and check the temperature. Let's see if the plants have been affected by the weather.



LQ: Can I explain why plants need the correct temperature and air to stay healthy?

VIDEO PLANT HOT AND COLD

## TASK

SEN/ WTS- Look at the pictures and describe how plants need a suitable temperature to grow and stay healthy.

GD/ EXP-: I can identify and compare how the temperature of a plant can affect its growth.

Self - Assessment:

Do you know what to do?

