

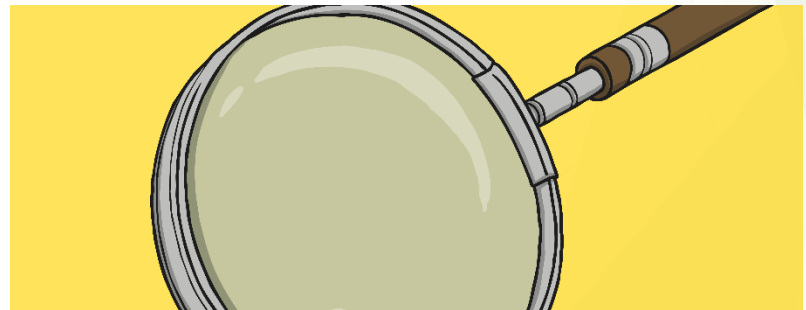
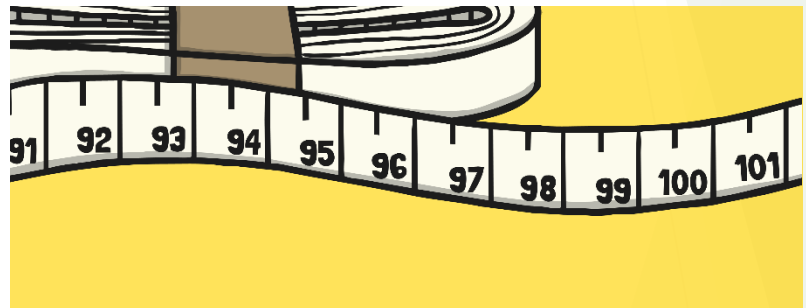


# Plant Investigation: The Results!

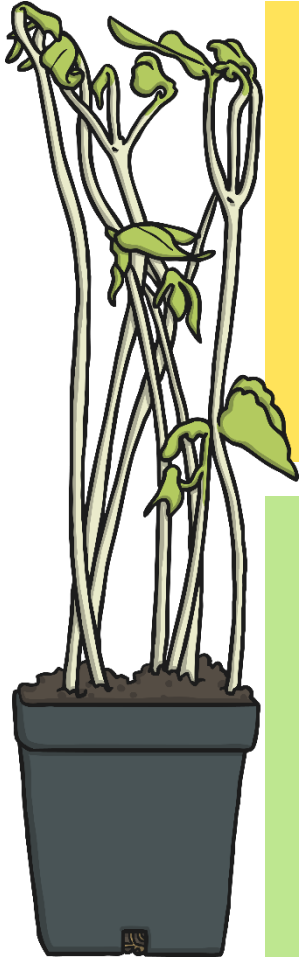
# The Investigation:

Last week Mrs Robinson set up an **exploring and observing investigation**, to see what conditions are the best for growing healthy plants.

Mrs Robinson regularly observed the plants to check on their progress and took photographs of any developments.



# Describe Your Observations



This week, you will need to complete the **‘What Have You Found Out – Activity 1’** sheet to record the results of the investigation.

Day 1 has been completed for you. For the other days you need to look at the photographs on the following pages and describe what you observe in each photograph.

## For Example:

The **‘Control’** plant has grown to 15cm tall. It’s stem is now straight and a couple of small green leaves have begun to grow and open out.

# Plant 1 – The ‘Control’ Plant:

Day 1:



Day 4:



2cm

Day 8:



15cm

Day 12:



28cm

The seed has been planted into a pot of soil. It has been watered and placed in warm, sunny spot on the kitchen windowsill.

# Plant 2 – The ‘No Sunlight’ Plant:

Day 1:



Day 4:



3cm

Day 8:



12cm

Day 12:



22cm

The seed has been planted into a pot of soil. It has been watered and placed into a warm, but dark cupboard.

# Plant 3 – The ‘No Warmth’ Plant:

Day 1:



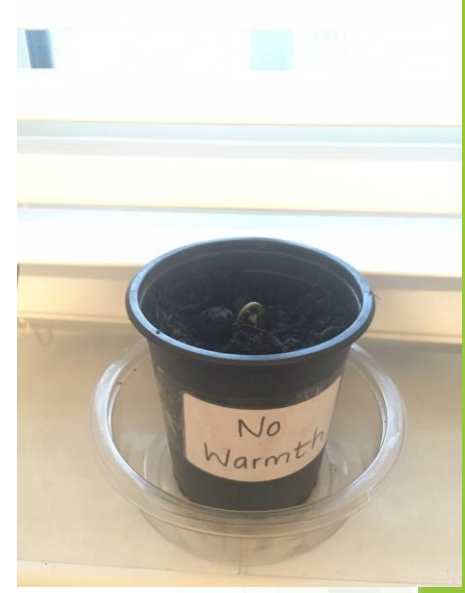
Day 4:



Day 8:



Day 12:



The seed has been planted into a pot of soil. It has been watered and placed in a light spot, in a cold room.

1cm



# Plant 4 – The ‘No Water’ Plant:

Day 1:



Day 4:



Day 8:



Day 12:



The seed has been planted into a pot of soil. It has been placed in warm, sunny spot on the kitchen windowsill but has not been watered.

# Conclusions:

## What Have We Found Out?

When scientists have completed an investigation, they make a 'conclusion'.  
This is a summary of what they have found out.

Our investigation was all about the things that plants need to grow well.

What have we found out about what plants need?



Can plants  
grow well  
without  
water?



Can plants  
grow well  
without  
light?



Can plants  
grow well  
without  
heat?

No they can't! They need water, light and heat in  
order to grow well, as well as air and room to grow.

Were your predictions correct?



# The Good Plant Growing Guide - Activity 2:

Imagine that a television channel has asked you to create a gardening programme called 'The Good Plant Growing Guide'.

The programme will be all about growing healthy plants.

You will need to get into character as a scientist to explain our investigation and what you have found out.

You should explain what people need to do to make sure the plants in their garden grow well.

Use '**The Plant Guide – Activity 2**' Planning Sheet to prepare your programme.

If you want to act out your programme, you could record it and post it on Seesaw!

