

Week Beginning: 6th April 2020

Science Activities - Year 1

Plants: This week I would like you learn about sunflowers and maybe try to grow a sunflower. Hopefully Mrs /Mr George have been able to pass on your pot, soil and two seeds (*these are stuck to the inside of the pot*) – As I am sure you are aware there are limited shops open at the moment with limited stock so we have only been able to source a small amount of pots/soil/seeds. Maybe you have some seeds/soil at home? If you end up growing something other than a sunflower this is fine to! 😊

Please try to grow and look after your plant. Hopefully by the time we come back together you will have a glorious tall sunflower/plant. (We love plants so we would love to see pictures of your plants growing if you would like to send them to us please use our school emails –

Miss Hairon: s.hairon@janvrin.sch.je

Miss Hampton: j.hampton@janvrin.sch.je



Sunflower Plant Life Cycle

Cut and paste the life cycle of a sunflower plant into the correct order.

First,

paste here

Next,

paste here

Then,

paste here

Last,

paste here



Write a few sentences about the sunflower plant life cycle.

First, _____

Next, _____

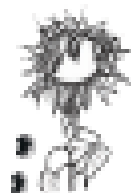
Then, _____

Last, _____

seed



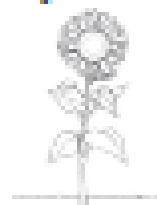
seeds fall



sunflower plant



flower



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Read and then answer the questions on the next sheet.

Sunflower Plant Life Cycle

Sunflowers are a type of flowering plant. They originally came from North America. There are around 60 different types of sunflower! They can be yellow, dark red and orange. Two types are the 'American Giant' and the 'Big Smile'. The tallest sunflower on record was 9.17 metres (30 feet 1 inch) tall and was grown by Hans-Peter Schiffer in 2014 in Germany!

1



What happens during the first stage?

Seed and Germinating Seed

During the first stage of the sunflower life cycle, the seed is planted in soil or compost in spring when it is warmer. The seeds are black and white striped or just black. The seeds have a hard coat that helps protect the seed. Next, the seed begins to sprout roots 1-2 weeks after planting.

2



What happens during the second stage?

Seedling and Shoot

During the second stage, a seedling grows above ground and a few leaves appear on the stem of the plant. Underground, roots continue to grow to keep the sunflower planted in the ground.

3



What happens during the third stage?

Bud and Bloom

During the third stage, the plant grows taller and stronger, facing towards the sun. After 30 days, the bud forms. Then the flower head opens and after around 90 days, the sunflower will be fully grown.

4



What happens during the fourth stage?

Wilt and Regrowth

At the end of the summer the flower petals will start to wilt. This is the final stage of the life cycle, when the plant dies. The flower shrivels and the seeds from its head fall onto the ground. There can be up to 2000 seeds! Some of the seeds settle in the ground and then begin the new life cycle of the next sunflower.

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Read and then answer the questions on the next sheet.

Questions about the Sunflower Plant Life Cycle

1. How many different types of sunflower are there?

2. What colours can sunflowers be?

3. How tall was the tallest sunflower ever grown?

4. Why is the sunflower seed planted in spring?

5. What colour are the seeds?

6. What grows above ground and underground during the second stage?

7. When does the bud form?

8. What happens when the flower shrivels?

9. How many new seeds can fall from the head of the shrivelled flower?

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Answers - For Mummy's and Daddy's only 😊

Questions about the Sunflower Plant Life Cycle

Answers

1. How many different types of sunflower are there?

There are around 60 different types of sunflower!

2. What colours can sunflowers be?

Sunflowers can be yellow, dark red and orange.

3. How tall was the tallest sunflower ever grown?

The tallest sunflower on record was 9.17 metres (30 feet 1 inch) tall.

4. Why is the sunflower seed planted in spring?

The seed is planted in spring because it is warmer.

5. What colour are the seeds?

Sunflower seeds are black and white striped or just black.

6. What grows above ground and underground during the second stage?

A seedling grows above ground and a few leaves appear on the stem of the plant. Underground, roots continue to grow.

7. When does the bud form?

After 30 days, the bud forms.

8. What happens when the flower shrivels?

The flower shrivels and the seeds from its head fall onto the ground.

9. How many new seeds can fall from the head of the shrivelled flower?

There can be up to 2000 seeds.

Diary of a Seed



By: _____

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Write down a set of instructions – how did you plant the seed. Remember your describing words and time words!

Example: First I put some muddy brown soil in a little pot.

Title: _____

Equipment:



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Day 1(once your seed has sprouted) : - Draw what your plant looks like and describe it. Remember to count the leaves and measure it.

Equipment:

Number of leaves:

Height:



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Day 2 : - Draw what your plant looks like and describe it. Remember to count the leaves and measure it.

Equipment:

Number of leaves:

Height:



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Day 3 : - Draw what your plant looks like and describe it. Remember to count the leaves and measure it.

Equipment:

Number of leaves:

Height:



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Day 4 : - Draw what your plant looks like and describe it. Remember to count the leaves and measure it.

Equipment:

Number of leaves:

Height:



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Day 5 : - Draw what your plant looks like and describe it. Remember to count the leaves and measure it.

Equipment:

Number of leaves:

Height:



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Day 6 : - Draw what your plant looks like and describe it. Remember to count the leaves and measure it.

Equipment:

Number of leaves:

Height:



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Day 7 : - Draw what your plant looks like and describe it. Remember to count the leaves and measure it.

Equipment:

Number of leaves:

Height:



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Day 8 : - Draw what your plant looks like and describe it. Remember to count the leaves and measure it.

Equipment:

Number of leaves:

Height:



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Day 9 : - Draw what your plant looks like and describe it. Remember to count the leaves and measure it.

Equipment:

Number of leaves:

Height:



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Day 10 : - Draw what your plant looks like and describe it. Remember to count the leaves and measure it.

Equipment:

Number of leaves:

Height:



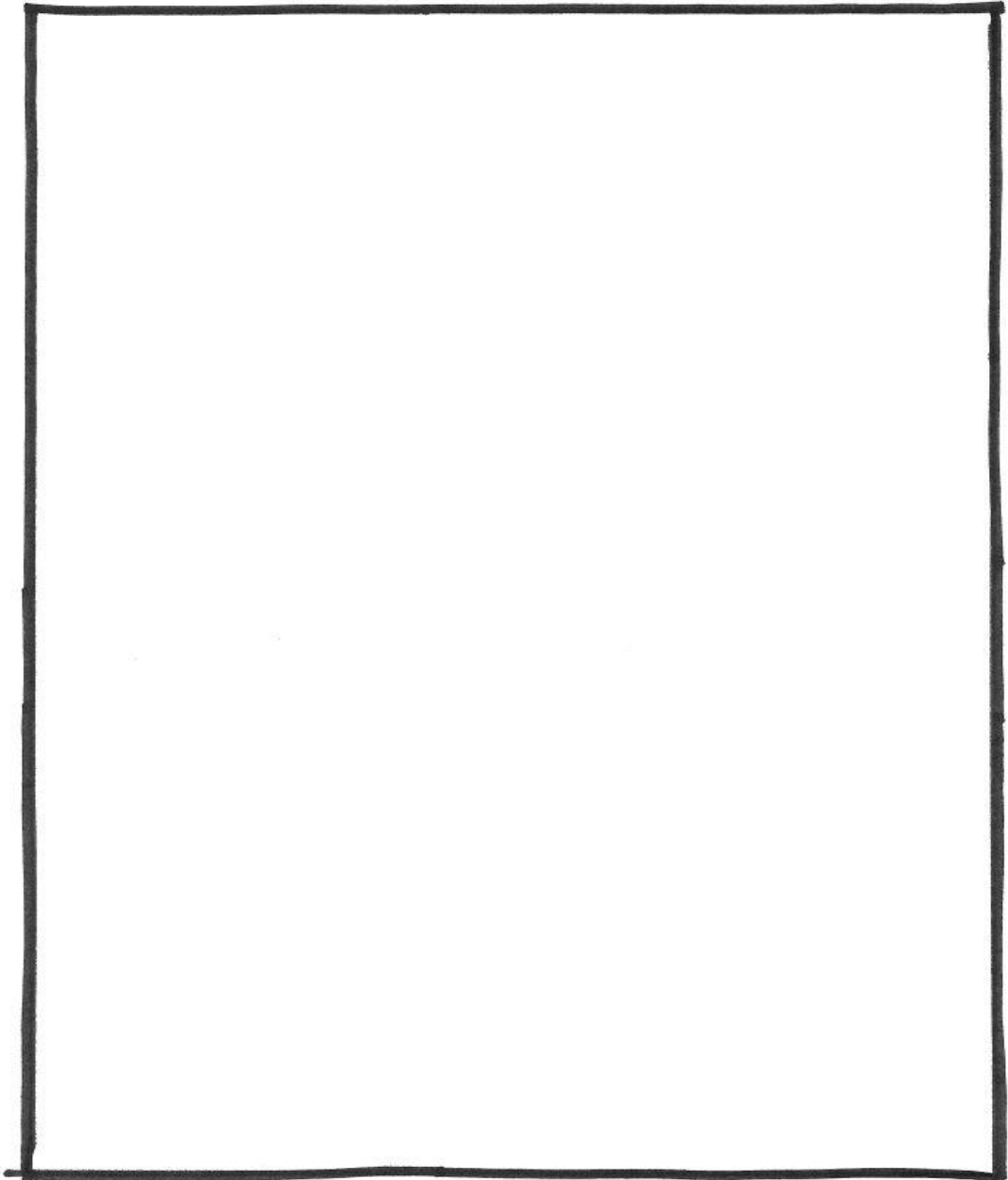
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If you're plant is still growing you can always carry on your diary on another piece of paper/in the red book in your Home Learning Pack.

Can you take a picture/draw your plant when it is fully grown below?

My Plant



By: _____