

Topic: Seasonal Changes (Spring and Summer)

Year: 1

Strand: Physics

What should I already know?

- There are times when it is hot outside and there are times when it is cold outside.
- The months of the year.
- What happens in autumn and winter (key events, what people do, what people wear)
- What the weather is like in autumn and winter.
- In autumn and winter, the days become shorter, and the nights become longer.

Vocabulary

autumn	Autumn is the season between summer and winter when the weather becomes colder and the leaves fall off the trees
blossom	the flowers that appear on a tree before the fruit
day length	the amount of time where there is daylight .
daylight	Daylight is the natural light that there is during the day, before it gets dark
deciduous	a tree that loses its leaves in the autumn every year
holiday	a period of time during which you relax
hot	Something that is hot has a high temperature
months	one of the twelve times of time that a year is divided into
nature	the animals, plants, and other things in the world that are not made by people
rain	Rain is water that falls from the clouds in small drops
season	the main times of year which can be divided and which have their own typical weather
slightly	a little bit
spring	The season between winter and summer when the weather becomes warmer and plants start to grow again
summer	the season between spring and autumn when the weather is usually warm or hot
sunny	when the sun is shining brightly
temperature	a measure of how hot or cold something is
warm	when there is some heat but not enough to be hot
weather	what the sky and air outside are like, such as cold or sunny .
windy	when the wind is blowing
winter	the season between autumn and spring when the weather is usually cold

What will I know by the end of the unit?

What is a **season**?

- There are four seasons
 - Autumn - September, October, November
 - Winter - December, January, February
 - Spring - March, April, May
 - Summer - June, July, August



autumn



winter



spring



summer

What happens in the spring?



spring

- As the seasons change from winter to spring, it gets warmer and the temperature begins to rise.
- Some things that happen in spring are:
 - eaves begin to appear on deciduous trees.
 - some trees begin to blossom.
 - many plants begin to grow.
 - lambs are born and chicks begin to hatch.
 - the days become longer and the nights become shorter.
- In the spring, there are events such as Easter and St. George's Day.
- The weather may be slightly sunny but still a little windy and rainy on some days.



sunny



windy



rainy

- The clothes you might wear include long-sleeved tops and long trousers. As it gets closer to summer, you may wear t-shirts and shorts on sunnier and warmer days.



shirt



shorts



t shirt



trousers

What happens in the summer?



summer

- As the seasons change from spring to summer it gets warmer still - this is because the temperature has risen.
- The days get longer and the nights get shorter. Summer has the longest days and the shortest nights of all the seasons.
- In the summer, there are events such as the long school summer holidays and
- Things people might do are have picnics, go to the beach, have a paddling pool in the garden and mow the lawn.



picnic



beach



mow lawn

- The weather may be hot and sunny. There may not be many clouds in the sky.
- The clothes you might wear include t-shirts, shorts and swimming costumes.



t shirt



shorts



swimming costume

- It is important to stay safe in the summer as the sun can be very strong. You can wear sun hats, sunglasses and sun cream to help keep you safe.

Investigate!

- Go on a spring nature walk - what signs of spring can you spot?
- Measure the temperature every day - what do you notice about the difference in temperature from the start of the unit to the end?
- Match events to the seasons they happen in? What is weather like during these events (e.g. Easter, summer holidays)
- Discuss what happens when the children go home from school in the spring and summer - what do they notice about daylight? Compare this to what happens in the winter.
- Analyse simple graphs that show how day length changes throughout the seasons.

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Question 1: The weather in summer is usually....(tick two)	Start of unit:	End of unit:
sunny		
rainy		
cold		
hot		

Question 2: In which season are you more likely to go to the beach?	Start of unit:	End of unit:
spring		
summer		
autumn		
winter		

Question 3: How can we keep safe in the summer?	Start of unit:	End of unit:

Question 4: Complete this sentence with the words short and long to make it true.	Start of unit:	End of unit:
<p>In the summer, the days are</p> <p style="text-align: center;">and the nights are</p> <p style="text-align: center;">.</p> <p>short long</p>		

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Question 5: Write one thing in each section to explain what happens during these seasons.

Start of unit:

End of unit:



autumn



winter



spring



summer