

# Primary School - Science

**Topic: Seasonal Changes (Spring and Summer)**

**Year: 1**

**Strand: Physics**

## St Clare's Primary School - Science



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### 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	<b>Autumn</b> is the <b>season</b> between <b>summer</b> and <b>winter</b> when the <b>weather</b> becomes <b>colder</b> 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 <b>daylight</b> .
daylight	<b>Daylight</b> is the natural light that there is during the day, before it gets dark
deciduous	a <b>tree</b> 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 <b>year</b> is divided into
nature	the animals, plants, and other things in the world that are not made by people
rain	<b>Rain</b> is water that falls from the clouds in small drops
season	the main times of <b>year</b> which can be divided and which have their own typical <b>weather</b>
slightly	a little bit
spring	the <b>season</b> between <b>winter</b> and <b>summer</b> when the <b>weather</b> becomes <b>warmer</b> and plants start to grow again
summer	the <b>season</b> between <b>spring</b> and <b>autumn</b> when the <b>weather</b> is usually <b>warm</b> 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 <b>cold</b> or <b>sunny</b> .
windy	when the wind is blowing
winter	<p>the <b>season</b> between <b>autumn</b> and <b>spring</b> when the <b>weather</b> is usually <b>cold</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  autumn         </div> <div style="text-align: center;">  winter         </div> <div style="text-align: center;">  spring         </div> <div style="text-align: center;">  summer         </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  shirt         </div> <div style="text-align: center;">  shorts         </div> <div style="text-align: center;">  t shirt         </div> <div style="text-align: center;">  trousers         </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  sunny         </div> <div style="text-align: center;">  windy         </div> <div style="text-align: center;">  rainy         </div> </div>

### 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

What happens in the **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:
  - leaves 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.
- 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.

What happens in the **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.

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Question 1: The weather in summer is usually....(tick two)	Start of unit:	End of unit:	Question 2: In which season are you more likely to go to the beach?	Start of unit:	End of unit:
sunny			spring		
rainy			summer		
cold			autumn		
hot			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 <b>short</b> and <b>long</b> to make it true.	Start of unit:	End of unit:
<p>In the summer, the days are _____ and the nights are _____.</p> <p><b>short</b></p> <p><b>long</b></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