

Jeavons Wood Primary School – Science Knowledge Organiser

Topic: Seasonal Changes

Year: 1


















Strand: Physics



Big Question: How does the weather change?

What should I already know?

- Developing and understanding of change.
- Observe and explain why certain things may occur (e.g leaves falling off trees, weather changes).
- Look closely at similarities, differences, patterns and change.
- Comments and questions about the place they live or the natural world.

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 <div style="display: flex; justify-content: space-around; align-items: center;">     </div> <div style="display: flex; justify-content: space-around; font-size: small;"> autumn winter spring summer </div>
What happens in the autumn?  autumn	*The temperature begins to fall, which means it gets colder. *The leaves on deciduous trees change colour and begin to fall to the ground. *The days get shorter and the nights get longer. *In the autumn, there are events such as Halloween and Bonfire Night. *Things people might do are rake leaves, pick blackberries and collect conkers and pine cones. <div style="display: flex; justify-content: center; align-items: center; gap: 20px;">    </div> <div style="display: flex; justify-content: center; font-size: x-small;"> blackberries pine cones conkers </div> *The weather may be slightly sunny, windy or rainy. There are more clouds in the sky during autumn <div style="display: flex; justify-content: center; align-items: center; gap: 20px;">    </div> <div style="display: flex; justify-content: center; font-size: x-small;"> sunny windy rainy </div> *The clothes you might wear include t-shirts and shorts on sunnier and warmer days, and woolly hats and scarves on colder days - especially as it gets closer to winter.
What happens in the winter?  winter  ice  frost	*As the seasons change from autumn to winter it gets colder still - this is because the temperature has fallen. *Sometimes, it can freeze overnight and in the mornings, there may be ice and frost. *Deciduous trees have completely lost their leaves and the branches are bare. *The days get shorter and the nights get longer. Winter has the shortest days and the longest nights of all the seasons. *In the winter, there are events such as Christmas and Valentine's Day. *Things people might do are build snowmen, eat warm foods like stews and soups and light fires. <div style="display: flex; justify-content: center; align-items: center; gap: 20px;">    </div> <div style="display: flex; justify-content: center; font-size: x-small;"> soup stew snowmen </div> *The weather may be windy, rainy and chilly. Sometimes it also snows. *The clothes you might wear include warm coats, jumpers, woolly hats and scarves on colder days.
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.

 spring	- 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?  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. * 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.

Vocabulary

autumn	Autumn is the season between summer and winter when the weather becomes colder and the leaves fall off the trees
cold	If it is cold, the temperature is very low
day length	the amount of time where there is daylight.
daylight	the amount of time where there is daylight.
deciduous	a tree that loses its leaves in the autumn every year
freeze	When it freezes outside, the temperature falls below 0 degrees.
frost	the ground becomes covered in ice crystals
hibernate	Animals that hibernate spend the winter in a state like a deep sleep
ice	Ice is frozen water
migrate	when animals move at a particular season from one part of the world to another
months	one of the twelve periods 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
snow	soft white bits of frozen water that fall from the sky in cold weather
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
temperature	a measure of how hot or cold something is
weather	what the sky and air outside are like, such as cold or sunny.
winter	the season between autumn and spring when the weather is usually cold