

The Flourish Federation—Knowledge Organiser

Brookfield Infant and Junior Schools



Science Focus:

Seasonal Change

Year 1

All Terms

What? (Key Knowledge)

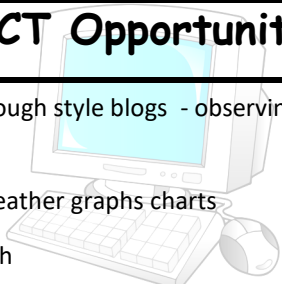
Observe changes across the four seasons	Children will complete learning walks around the school and observe signs of the four seasons. They should notice; Spring - buds on plants, blossom, leaves beginning to grow Summer - flowers in bloom, green leaves on trees, healthy thriving plants Autumn - Leaves beginning to change colour/ drop off trees. Winter- No leaves on deciduous trees/ plants appear dead or unhealthy
Observe and describe weather associated with the seasons and how day length varies.	Spring— average temperature 9-14° c. daylight hours increase in March when British Summertime begins Summer-average temperature 9-20° c but can reach 30° c or higher. Longest day -21st June 2019 Autumn— average temperature 7-18° c but can be higher. There are less hours of daylight Winter-average temperature 2-7° c but can drop below 0 . Shortest day 22nd December 2019

ICT Opportunities

David Attenborough style blogs - observing changes in the environment

Purple mash Weather graphs charts

WWW— research



What? (Key Vocabulary)

Spelling	Definition
Months	12 periods in which a year is divided
Season	A season is a division of the year marked by changes in weather, ecology, and amount of daylight.
Degrees Celsius	The unit used to measure temperature.
Thermometer	An instrument used to measure temperature.
British Summer Time	Time as advanced one hour ahead of Greenwich Mean Time for daylight saving in the UK between March and October.
Climate change	Any significant long-term change in the expected patterns of average weather of a region (or the whole Earth) over a significant period of time.
Deciduous	A tree or shrub that sheds its leaves annually
Evergreen	A plant that keeps its green leaves all year round.

Experiences/Wow Moments

Hands on learning about plants, trees, animals around the school .

School trips— Wildwood/ Tyland Barn

Forest school



When? (Timeline of Key Events)

Seasons 2019– 2020

Autumn	Autumn begins with the Autumnal Equinox, September 23, 2019, 3:50 a.m.
Winter	Winter begins with the Winter Solstice, December 21, 2019, 11:19 p.m.
Spring	Spring begins with the Vernal Equinox, March 20, 2020, 11:49 p.m.
Summer	Summer begins with the Summer Solstice, June 20, 2020, 5:43 p.m.

Who? (Key People)

John Dalton (1766 - 1844)	Famous for the amount of time he kept a weather diary for.
Gabriel Fahrenheit (1686 - 1736)	Inventor of the first modern thermometer
Inez Fung (1941 -)	Studies climate change

Cross-Curricular Links

Geography– seasons around the world. Compare with U.K

Climate change –how is the weather /landscape changing?

History– learn about key people

Maths/ICT—collect data about what we find in our local environment/weather. Make graphs



Possible Writing Links

Weather reports

Diary writing



Visuals

