St John's Primary School: Science knowledge organisers Year group: Year 1 Science focus: Seasonal changes



Key knowledge:		
Seasons		
The year is divided into four parts according to the weather and daylight hours. Each part is called a season.		
A year is divided into 4 seasons Autumn	 Autumn Winter Spring Summer September, October, November. 	
Autumi	The temperatures get progressively colder. The weather is very changeable. There is around 12 hours of light per day.	
Winter	December, January, February. Temperatures are at their coldest. The weather is generally wet, windy and cloudy at the start of the season becoming drier and much colder in the later part of the season. There is around 8 hours of light per day.	
Spring	March, April, May. Early spring can be quite cold and occasionally the lowest temperatures of the year can occur in March. There is a fair chance of snow earlier in the season often in March. Temperatures get progressively warmer throughout the season. There is around 13 hours of light per day on average.	
Summer	June, July, August. The warmest and sunniest of the seasons. Thunderstorms are more likely in the Summer. There is around 16 hours of light per day on average.	

Key concepts:

Observing

Describing

Key vocabulary:

Weather	The conditions outside		
Temperature	The measure of how hot or cold		
	something is		
Thunderstorm	A storm of heavy rain with thunder		
	and lightening		

Diagrams:



Possible experiences:

Chart the weather daily and produce recorded weather reports focusing on type of weather, daylight hours and temperature.

Predict the weather for the next day based on wind direction and cloud conditions.

Investigate animal behaviours during the seasons.