Coley Primary School – Knowledge Organiser

SUBJECT FOCUS: Biology and Physic Strand	Science: Seasonal Change: Spring and summer	YEAR 1	TERM 3

WHAT? – Key Knowledge

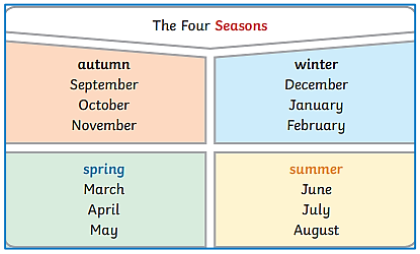
- Observe and describe weather associated with the seasons and how day length varies.
- Observe changes across the four seasons
- Use scientific language: read and spell scientific vocabulary
- Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
- Identify and describe the basic structure of a variety of common flowering plants, including trees.

Did you know…

Seasons



There are four seasons each year, autumn, winter, spring and summer.



Spring



In spring, the weather starts to get warmer. The leaves begin to grow on the trees and some trees may blossom (have flowers). Plants begin to grow and you may see baby animals like lambs around. The daytimes start to get longer.

Summer



In summer, the weather gets hotter. The daytime is long and the nights are short. Summer has the longest days. The trees are full of leaves and there are lots of flowers, bees, butterflies and other insects.

Weather



The weather includes the temperature outside, the wind direction and strength, as well as rain, cloud, snow and sun.

Daylight



Daylight is when it is light outside. The amount of the daylight changes with each season.

Daylight hours and month

Month	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Hours of Daylight	13	11	9	8	8	10	12	14	15	16	16	14

Working Scientifically Challenge:

- **Observe and describe the weather in spring and summer.**
- **Can they name the main parts of a flowering plant?**
- **Can they sort some plants by size?**

WHAT? – Key vocabulary

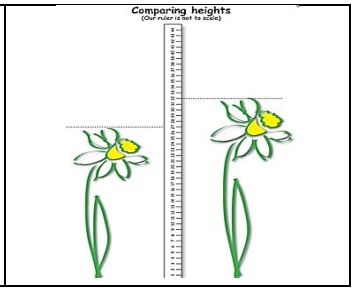
- **Summer, winter, autumn, spring**
- **Weather, sun, hot, warm,**
- **Day, daytime, night time,**
- **Evergreen trees** = An evergreen keeps its green leaves all year round.
- **Deciduous trees** =A deciduous tree loses its leaves each year. In autumn, the leaves on deciduous tree changes colour and fall off.

There are two types of tree: **deciduous** and **evergreen**.



Diagrams and symbols

Gathering and recording data to help in answering questions.



I wonder…

- *What are the key differences between each seasons?*
- *Can they name the petals, stem, leaf and root of a plant?*
- *Can they identify and name a range of common plants and trees?*
- *Can they recognise deciduous and evergreen trees?*
- *Can they describe the parts of a plant (roots, stem, leaves, flowers)?*

Possible experiences: Curious minds…

- **Visit a local park.** Record how the park changes during the different seasons.

Great Read:

- Thinking about the Seasons: Spring, by Clare Collinson (2013)
- Thinking about the Seasons: Summer, by Clare Collinson (2013)