SBSP PROGRESSION OF COMPONENT KNOWLEDGE THROUGH SCIENCE UNITS

PHYSICS – SEASONAL CHANGES

Early Learning Goal:

- Explore the natural world around them.
- Describe what they see, hear and feel whilst outside.
- Understand the effect of changing seasons on the natural world around them.
- Understand some important processes and changes in the natural world around them including the seasons.

Reception Component Knowledge:

- I can recognise some of the simple signs of Autumn e.g. leaves falling from the trees.
- I can talk about the season of Autumn and name some features.
- I can talk about the season of Winter and talk about seasonal features (changes over time).
- I can talk about the season of spring and talk about seasonal features (changes over time).
- Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.
- I can talk about the season of Summer and talk about seasonal features (changes over time).

Year 1 NC links:

- observe changes across the 4 seasons
- observe and describe weather associated with the seasons and how day length varies

Year 1 Component Knowledge

- Understand that autumn is a season
- Understand the different weather that happens in autumn
- Understand that the days get shorter in autumn
- Understand that winter is a season
- Understand the different weather that happens in winter
- Understand that the days are short in winter
- Understand that spring is a season
- Understand the different weather that happens in spring
- Make comparisons between winter and spring
- Understand that summer is a season
- Understand the different weather that happens in summer
- Make comparisons between winter and summer
- Make comparisons about the amount of rainfall over 5 weeks
- Draw a graph to show the amount of rainfall over 5 weeks
- Draw a graph and write a conclusion explaining my results

Working Scientifically Component Knowledge

- Using their observations and ideas to suggest answers to questions
- Identifying and classifying
- Performing simple tests
- Gathering and recording data to help in answering questions

Key Vocabulary

- weather, harvest, autumn, hibernate, protect
- winter, sleet, temperature, frost
- chick, grow, spring, changes, compare
- summer, heatwave, warm, sun protection
- record, rainfall, results, graph, measuring