Session Outline

- Gather around a Holly bush or tree (if possible). Children to study the bush/ tree with their talk partner to describe its features, structure, shapes, parts etc. Do they children think it is evergreen or deciduous & why? Can the children think of a good name for the bush/ tree according to its features? (They may know the name already but can they make a new one?)
- Children to search the ground underneath to find one leaf each. (If there are not enough, pick just enough to provide one for each child for study purposes.)
- Children to examine their leaf carefully, looking at both sides. Describe the shape, colour, size, veins, parts, patterns, texture etc to their talk partner.
- Children to put their leaf behind their back and try to count how many prickles their Holly leaf has. Were they able to count accurately?
- Make a Pictograph using the Holly leaves to investigate and analyse the number of prickles on Holly leaves.
- Analyse the graph results with their talk partners: Do all Holly leaves have the same number of prickles? What is the most/ least popular number? Can you spot any patterns in the results?

Differentiation: HA: Look for patterns in the results. LA: Help with describing their leaf and analysing graph results.

Extension: Can they think of another way of presenting their results? (E.g. a tally chart in the mud?)

Lesson Objectives

Children will study and observe Holly leaves and interpret their findings in simple graphs and charts.

Resources

- Enough Holly leaves for all children.
- Outdoor Skills: The Structure of Leaves

Key Vocabulary

Parts of a plant.

Risk Assessments

Generic Site RA.

Curriculum Links

Science: (Y2) Observe and describe how seeds and bulbs grow into mature plants; Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. (KS1 SE) Identifying and classifying; Using their observations and ideas to suggest answers to questions.

Numeracy: (Y2) Interpret and construct simple pictograms, tally charts, block diagrams and simple tables; Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity; Ask and answer questions about totalling and comparing categorical data.

Literacy: (KS1 SE) Give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings.