Practical activity ideas

Notes for the teacher - If your children need to review their learning, you can use these activities to support them.

Plant parts under the microscope

The resources required for this activity include hand lenses or USB microscopes, a selection of real plant parts (roots, stems, leaves, flowers) and trays.



Activity: The children should examine each plant part closely and sketch what they see, labelling features that link to its function (e.g. tiny root hairs, veins in leaves, strong stem structure).

This will help the children to use scientific observation to connect the structure to its function and deepen their understanding of how each part supports survival.

"A day in the life of a plant" writing task

The resources required for this activity include writing frames, vocabulary lists and example sentence starters.

Activity: Children write a short diary entry from the point of view of a plant, describing how each part helps it survive throughout the day.

This will help the children to use scientific vocabulary in context and explain plant functions through narrative.

Build a model plant

The resources required for this activity include pipe cleaners, card strips, tissue paper, string or wool, scissors, glue, labels and optional natural materials (twigs, dried leaves).

Activity: Children create a model of a flowering plant that clearly shows the four main parts: roots, stem, leaves and flowers. They construct each part separately, attach them in the correct order, and label each part with its function. The model must stand upright, so children must think about how the roots and stem will support it.

This will help the children to understand how each part of a plant contributes to survival, use scientific vocabulary accurately, and represent structure and function through a creative, hands-on task.

Measure the plant: maths link

The resources required for this activity include rulers, a range of small plants or weeds and recording sheets.



Activity: Children measure root length, stem height and leaf size, then compare which plants have the strongest survival features for their environment.

This will help the children to use measurement and comparison to explore how plant parts vary and why those differences matter.