Science – Year 2 – Summer Term

Plants

|  |  |  |
| --- | --- | --- |
| Links to other subject units this term | | |
| This unit links directly to our Science units in the Spring term on living things including humans and their habitats, where we explored what conditions were needed to keep a living thing alive. | | |
| Prior Learning | | |
| In Year 1 the children will have learnt to name the different parts of a plant and will have observed how they grow over time. | | |
| Key vocabulary for this unit | | |
| germination  shoot  seed dispersal  sunlight  water  temperature  nutrition | | |
| * Learning Sequence | | |
| **What do Plants Need to Grow?** | * Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. * Performing simple tests. * Using their observations and ideas to suggest answers to questions. | |
| **What’s Inside a Seed?** | * Observe and describe how seeds and bulbs grow into mature plants. * Observing closely, using simple equipment. * To look closely at the parts of a seed that will grow into a plant and explain how it will germinate. | |
| **Life Cycle of a Plant** | * Observe and describe how seeds and bulbs grow into mature plants. * To describe the life cycle of a plant. | |
| **What do Plants Need to Stay Healthy? Part 1** | * Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. * Using their observations and ideas to suggest answers to questions. * To explain what plants need to grow and stay healthy. | |
| **What do Plants Need to Stay Healthy? Part 2** | * Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. * Using their observations and ideas to suggest answers to questions. * To describe what happens if plants don’t get all the things they need. | |
| **How do Plants Grow in Hot, Dry or Cold Places?** | * Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. * Using their observations and ideas to suggest answers to questions. * To explain how plants are suited to their habitats. | |
| Assessment milestones | | |
| **Scientific Knowledge:**   * Children can dissect and observe a seed, explaining which parts will grow into a plant and which part is its food. * Children can order the life cycle of a plant and begin to explain what happens at each stage, if it gets everything it needs * Children can explain that plants need different amounts of water, light and a suitable temperature to grow and stay healthy. | | **Scientific Skills / Working Scientifically**   * Children can begin to recognise ways in which they might answer scientific questions; by carrying out practical tests, using simple equipment. * Children can notice links between cause and effect and talk about their findings to a variety of audiences in a variety of ways. * Children can use simple features to compare living things. |