Science – Year 2 – Summer Term

Plants

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| 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 |
| germinationshootseed dispersalsunlightwatertemperaturenutrition |
| * Learning Sequence
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| **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.
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| **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.
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| **Life Cycle of a Plant** | * Observe and describe how seeds and bulbs grow into mature plants.
* To describe the life cycle of a plant.
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| **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.
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| **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.
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| **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.
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| 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.
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