

Year 2 – Seeds have Needs LIVING THINGS SCIENCE SUMMER 1

Prior Learning: Children should be able to name and know the basic parts of flowering plants and trees.

Concept: Living Things

In this unit you will explore the needs of plants to grow from seed to flower!

Working scientifically:



Plan and set up an enquiry



Take measurements



4. TWAL to investigate what plants need to survive and grow

Continue to measure your plants from last week.

What do you notice? What do you think plants really need? Go outside and investigate how plants get their needs met there. We will also introduce how plants reproduce.



1. TWAL observe how seeds and bulbs grow

We will learn to identify seeds and bulbs and explore their similarities and differences. Can you think of places you will find seeds and bulbs? We will plant our own class seeds and bulbs to observe and photograph over the next few weeks. We will name a variety of unusual plants that grow in different habitats, Mexican rain forest and Arctic.



Seeds and bulbs have a store of food within them.



5. TWAL to describe what plants need to grow and stay healthy

Observe your plants from last week. What do plants need to survive? Make a poster to help Mrs Davis and the rest of the school to take care of the Nature Zone plants!



Plants need water, light and a suitable temperature



2. TWAL to investigate what seeds need to germinate

Today we will investigate what seeds need to germinate. We know they have their own food. What else could they need? Set up an experiment with seeds in jars to see if water, light and temperature affects rate germination.



Plan and set up an enquiry



Germination is when a seed sends out a shoot.

6. TWAL to describe how bulbs and seeds grow

Take a look at your bulbs and seed from the first week. Look at the photos you have taken each day. Can you put them in order? Make a cartoon strip describing how bulbs and seeds grow into plants!



3. TWAL to investigate what plants need to survive and grow



Mr Greenhead needs to grow his hair really long! Make your own Mr Greenheads and measure the rate of growth in the plants. Which will be smallest - the one without water, the one in the cold, the one with no light?



Take measurements

Words we will know!

seed



bulb



germinate



Temperature

