Our School Values- Science					
Love	We show love by fostering a joy of discovery.				
Courage	We show courage by being brave, challenging thinking, asking questions and investigating new ideas. We show courage knowing that we won't always find the answer.				
Unity	We show unity by working collaboratively to discover more.				
Inspiration	We show inspiration by not giving up and thinking creatively to seek answers.				



Year 2 Science

Plants

## NC Objectives:

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.

## Knowledge I already know

I know growing locally ,there will be a vast array of plants which all have specific names. These can be identified by looking at the key characteristics of the plant.

I know plants have common parts but they vary between the different types of plants.

I know some trees keep their leaves all year whilst other trees drop their leaves during autumn and grow them again during spring.

## Knowledge I will learn

I know that germination is when a seed develops into a plant.

I know that a seed is a store of energy.

I know that bulbs go through a cycle when growing: pre-bloom, blooming, withering, dormancy.

I know that roots absorb water and nutrients from the soil and anchor the plant in place.

Different plants require different conditions for germination and growth

I know that roots get water which helps make food. The roots move nutrients and food around.

I know that air is needed as carbon dioxide helps make food in leaves.

I know that the soil gives nutrients, makes plants strong and helps roots to anchor.

I know that the stem transports water around the plant.

I know that the leaves make food for the plant from carbon dioxide and sunlight.

Key Vocabulary					
Word	Definition				
Wither	become dry and shrivelled				
Dormant	alive but not growing				
Mature	fully grown				
Bulb	rounded base of the stem of some plants				
Anchor	to fix firmly in position				
Sustain	keep something going over time				
Germination	when a seed starts to grow				
Perennial	living for several years				
Carbon dioxide	gas absorbed by plants				
Glucose	simple sugar used for energy by plants				

LI: I know how seeds germinate and what happens.	LI: I know what happens when bulbs sprout	LI: I know what plants need to thrive and be healthy.	LI: I know what can happen if plants don't get the things they need.	31	LI: I can show how seeds and bulbs grow and what they need to be healthy.
Comparative test using seeds.	Observation of bulbs sprouting.	Find out about how plants thrive in different locations.	Asking and answering questions about what plants need.	Explore school, record plants found and how healthy they seem to be.	Present information to others
ToE positive WS	ToE WS	ToE Research using sources WS	ToE WS	ToE WS	ToE WS