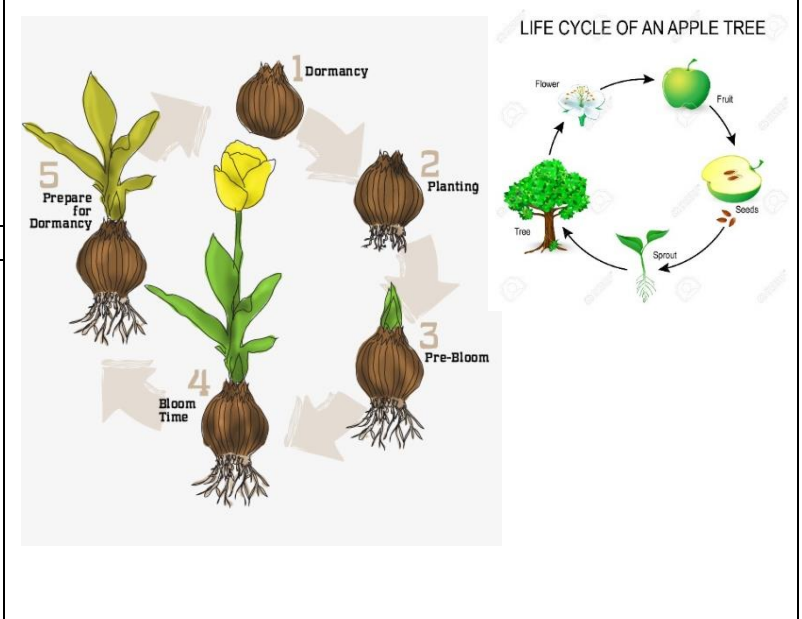


Subject: Science	Year Group: 2
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Study Block: Growth and Change

What should I know already? Diagram / Map / Photo etc...

- o The names of a variety of common wild and garden plants, including deciduous and evergreen trees
- o The basic structure of a variety of common flowering plants, including trees.



What will I know by the end of the unit?

I will know that.....
How do seeds grow into mature plants?
 That plants grow from a variety of seeds and bulbs.
 That bulbs and seeds need the correct conditions to grow.
 Bulbs are dormant and grow every year.

What do plants need to grow and stay healthy?
 A healthy plant is usually upright with green leaves. Plants need **air, light, warmth and water** to be healthy.

If a plant doesn't have one of these it could affect its growth or even die.

A plant that is kept in a dark place will grow tall and spindly in search of light and then become weak and die.

A plant that is not watered will have a weak stem and dried-up leaves and will eventually die.

A seed will not produce a plant at all if it is kept too cold. The seed needs warmth to **germinate** (develop from a seed into a plant) and start to grow into a healthy plant.

Vocabulary	
Word	Meaning
sunlight	the energy that comes from the sun
water	liquid that comes from the clouds as rain that forms streams, lakes and seas
temperature	how warm or cold somewhere is
predict	what will happen in the future
seed	the small, hard part from which a new plant grows
bulb	a root shaped like an onion that grows into a flower or plant
germination	what happens to seeds when they soak up water and the temperature is
plant	a living thing that grows in the earth and has a stem, leaves and roots
stem	the thin upright part of a plant on which the flowers and leaves grow
leaves	the parts of a tree or plant that are flat, thin and usually green
root	the parts of a plant they grow under the ground
photosynthesis	how plants create energy
dormant	when the bulb or seed sleeps
conditions	the surroundings the seed or bulb needs to germinate or grow well