Science – W/C - 1/6/20

Plants

**Hydroponics –** Growing plants in water. (Think about flowers, they are put into vases with water and food. The flowers begin to open over a period of days) (no soil required)

<http://www.hydroponics-simplified.com/what-is-hydroponics.html>

**Objectives**

Talk about what bulbs need to grow into healthy plants.

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

<https://www.youtube.com/watch?v=EKx4ZwoJqXY>

*What do bulbs need to start growing?*

<https://www.bbc.co.uk/bitesize/topics/zpxnyrd/articles/zxxsyrd> (Try the quiz at the end!!)

*How could we care for bulbs? (Give it water, warmth, nutrients. We often think that bulbs need soil, because in this country we usually see plants growing in soil. But plants can grow just in water, so long as the water has the right food in it to keep the plants healthy.)*

*Can you imagine where it would be really useful to be able to grow plants without soil? (Cold places with no soil - Iceland, Antarctica -, hot places with no soil - Sahara, Mars.) Draw a picture with labels to represent this. (To make the environment colourful, to provide food for animals)*

*Home Experiment*

<https://childrens-binary.files.bbci.co.uk/childrens-binarystore/cbeebies/cbeebies-pdf-mr_blooms_nursery_cressheads.pdf>