

# Living Things week beginning 25.5.2020 Plants

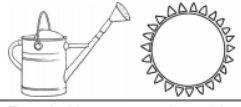



## I can experiment to find out what plants need to grow

Plan and carry out an investigation into the best conditions for growing plants—what do they need? Soil? Water? Light? Make a prediction before you try, see if you were right.

(Seeds that germinate quickly include cress, mustard and bean sprouts, so they work well for this experiment).

**\*\*Second level pupils (P5-7) can you think about a fair test? Just change 1 element each time—like the amount of water you give the different seeds (1mm/10mm/100mm) or the temperature they're kept at.**

Look at the condition the seed is planted in. Describe how it will grow.

Growing Conditions How the seed will be planted.	Prediction How the plant will grow.
The seed will be given water and sunlight. 	
The seed will be given water and no sunlight. 	
The seed will be given sunlight and no water. 	
The seed will not be given water and sunlight. 	

## Observing plants grow

If you have recently planted seeds, take the opportunity to observe them germinating and growing.

If you take 1 photograph a day of your seed/plant, after a couple of weeks you will be able to make a time-lapse film of it growing. (You could even use a stop-motion app to do this).



## I can investigate the effects of fertilisers on plants

Choose seeds to plants (try radishes, beans, marigolds, or use some you have at home).

Plant seeds in 2 separate trays—put them same number of seeds in each tray.

Give each tray the same amount of water, sunlight, etc. but give 1 tray fertiliser—mineral salts, liquid fertilisers from supermarkets like Tomorite or Miracle Gro, or research and try make your own.

Decide what you are going to observe. Number of seedlings alive after 2/4/6/8/10 days? Height of seedlings? Record your observations.



## I can show how plants benefit society

Carry out research into some of the many ways which plants benefit society—look into foods, medicines, fuels, dyes, clean air...

Make notes, and decide how you would like to present your findings. You could use Powerpoint, make a poster or leaflet, create a model or diorama, etc.

Take a photograph of your presentation and share it on the blog or email a copy to the school office.