

Week 6 Science Experiment. 20.05.20

For science, we have been learning about plants. We have covered what they need to grow, their structures, how seeds spread and the names of different trees; deciduous and evergreen trees. Before half term, I want you to do one experiment with plants. We can't have science without experiments!

I have picked out two really interesting and exciting experiments that you can choose from. One looks at the stem of a plant and how water is moved through the stems to the leaves, and the other investigates what will happen to the leaves if they do not get enough sunlight.

Do take pictures whenever possible so that I can have a look at the amazing experiments as well as see the results. It would also be lovely for us to share these with everyone else on Google Classroom and the school website.

Experiment 1

1. Fill a small glass about $\frac{1}{2}$ of the way with water.
2. Add red food colouring into the water to make it dark red.
3. Find a leaf from a plant or a tree.
4. Snip off the end of the of a large leaf but leave the stem.
5. Place the leaf's stem into the water and observe and record what happens every day. You can find the observation sheet below.



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I predict that...

Day 1

Day 2

Day 3



Experiment 2

Light Fantastic

Plants need energy from sunlight to grow. Some plants grow in hot countries, where there is little cover and they are in harsh sunlight all day long. Other plants naturally grow in places like woods where it is shady. No plants can survive without any light at all. What would happen to a plant if you left in a dark cupboard for a long time?

For this experiment we won't be leaving a plant inside a dark cupboard, but we will look at what would happen to the plant without sunlight.

Directions:

Slide an envelope of thin coloured card over a leaf of a pot plant. Leave the plant near a window for a week. Take off the paper. What do you see?

Write down what you predict will happen at the beginning of the experiment. The record what happened. Was it the same as your prediction?