

12.6.20 Dear Squirrels,

We hope you are all managing as well as you can. We thought you might like some information about the Science we would have done. **For the Summer term, we would have looked at Plants (See the activities below in red).**

All of the work we would have done would have included some of this: it's called 'Working scientifically'. The word in italics are the main points.

- ***Planning different types of scientific enquiries to answer questions***, including recognising and controlling variables where necessary. For example, when we looked at rocks, we scraped them for the same amount of time and put the same amount of water on them to make sure the test was fair.
- ***taking measurements***, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate. For example, we measured how much water had evaporated every 10 minutes.
- ***recording data and results*** of increasing complexity ***using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs***. For example, we drew a block graph to show how many pieces of fruit had been eaten each day.
- ***using test results*** to make predictions to set up further comparative and fair tests. For example, we would have been testing different rocks using the information we had already found out.
- ***reporting and presenting findings*** from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations. For example, we wrote our experiment about deforestation using diagrams and explanations.

There is a lot of science you can do at home just by being curious about the world around you. Thinking something through before you "find out" and using the internet is the best way to keep you scientific mind in good shape. You can conduct experiments if you like, but would always need to ask permission and be properly supervised while you do them. Keep your notes in your exercise book, so you can keep track of what questions you asked and what you found out.

Of course you are trying to build knowledge, but you are also trying to train your mind to think a certain way too.

We would have covered this topic in the Summer term

Plants

This term we would have been finding out about plants. Have a go at some of these activities ..

Look at the parts of Plants - identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers by labelling the parts of a plant.

What Do Plants Need to Grow Well? Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) by investigating what plants need to grow well.

What Have You Found Out? Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables by observing and recording plant growth.

Moving Water - investigate the way in which water is transported within plants by observing the transport of food colouring through a flower stem.

Fantastic Flowers - Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal by understanding pollination and fertilisation.

Life Cycle - Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal by ordering and describing the stages of the life cycle of a flowering plant.

Sources of help

Twinkl home hub (parent section) has experiments for children of different ages. These are all achievable at home. These are free to parents, according to the site, once an account has been created.

Oak National Academy website

This website is written by teachers in your year group, so you should be able to find help with specific topics in science. We are also using the daily lessons on here for maths, literacy and topic lessons.

BBC Bitesize is a good source of help for understanding science and has lots of video clips on it.

We look forward to hearing from you about science work that you've done at home! Use the school's Facebook page to share your pictures and comments.

Mrs Thompson 😊