

Science Topic

Below are some activities to work through during the term, pick and choose which ones you want to do

Plants and trees

•Go on a walk around your local area or a local wood and see if you can spot the different types of plants that we can see growing in Spring and Summer.

Leaf Spotter Sheet:

http://www.treetoolsforschools.org.uk/activities/pdfs/pdf_leaf_spotter_sheet.pdf

Spring Flower Spotter Sheet:

http://www.treetoolsforschools.org.uk/activities/pdfs/pdf_spring_flowers_spotter_sheet.pdf

Animal Home Spotter Sheet:

http://www.treetoolsforschools.org.uk/activities/pdfs/pdf_animal_homes_spotter_sheet.pdf

Animal Poo Spotter Sheet:

http://www.treetoolsforschools.org.uk/activities/pdfs/pdf_animal_poo_spotter_sheet.pdf

Activity 1: Investigation

-Plant a seed or a bulb and watch it grow into a plant (cress, peas, beans grow quickly)

-You could plant the seeds in different conditions:

1. In soil, with water and sunlight
2. In soil, with water but in the dark
3. In soil, with sunlight but no water
4. With sunlight and water but no soil

Which one grows the healthiest? Can you draw a picture of them each week to show how they look different? Can you plant any in another material? (tissue, grass, stones) What happens to them? Do they still grow?



Some questions to think about

Which way did the stem grow? Towards the light or away?

Why did the plant in the dark look like it did?

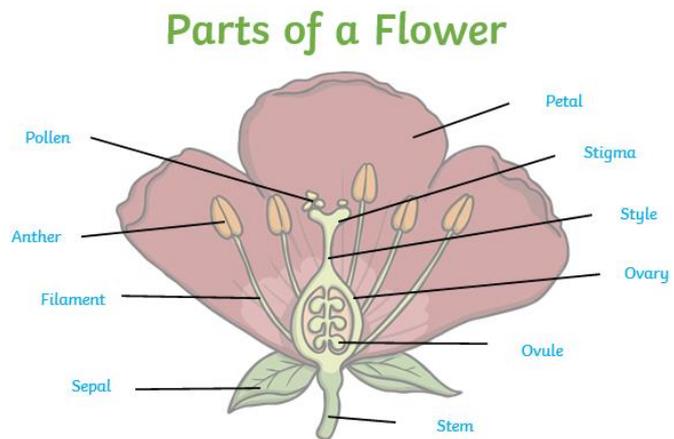
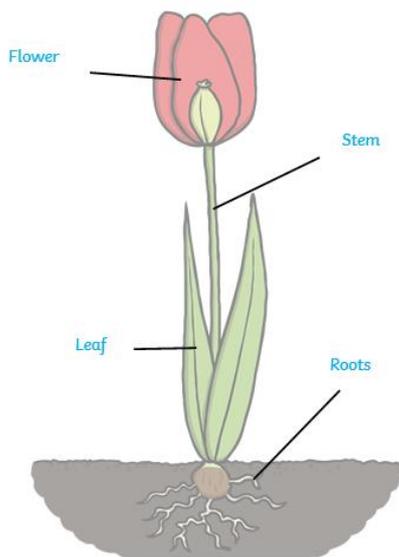
What happened to the plant with no water? Why is water important?

Activity 2: Draw and label the parts of a plant

-You can complete this on purple mash, if you wish to. It is set as a 2do!

- Draw a plant and label the important parts (roots, stem, leaf, flower)
- Draw and label a flower
- **Challenge** - can you describe what each part does e.g. stem supports the plant and gives the plant water and nutrients.
- There are some lovely videos on this website all about plants:

<https://www.bbc.co.uk/teach/class-clips-video/science-ks1-ks2-ivys-plant-workshop-parts-of-a-plant/zvdkpg8>



Activity 3: Living, once alive or never alive!

Do you think that plants are alive?

Let's check and see...Watch this video and see if you can make a list of the things that make something alive

<https://www.bbc.co.uk/bitesize/topics/z6882hv/articles/zs73r82>

Now check you have the answers correct:

Reacts to its surroundings, needs air, feeds, grows, reproduces, gets rid of waste

At school we have learnt this as MRS BEEG:

Movement

Reproduce

Senses

Breathe

Eat

Excrete

Grow

Sometimes this is known as MRS GREN or MRS NERG



Movement
Respiration
Sensitivity
Growth
Reproduction
Excretion
Nutrition

Movement
Respiration
Sensitivity
Nutrition
Excretion
Reproduction
Growth



Can you sort these objects into living, once alive or never been alive:



human



Fallen leaf



globe



seeds



Wooden table



ruler



hedgehog



tree

Answers:

- Living: human, tree, seed, hedgehog,
- Once alive: fallen leaf, table (wood),
- Never been alive: globe, ruler

Animals

We know animals are living things and we have looked at baby animals at school already this year.

Fun outdoor activities to help our animals:

Create a microhabitat for minibeasts by making a Minibeast palace:

http://www.treetoolsforschools.org.uk/activities/pdfs/pdf_minibeast_palace.pdf

- Check on your palace after a week - has anyone moved in? You could also try attracting some butterflies to your garden by making a butterfly feeder:

http://www.treetoolsforschools.org.uk/activities/pdfs/pdf_butterfly_feeder.pdf

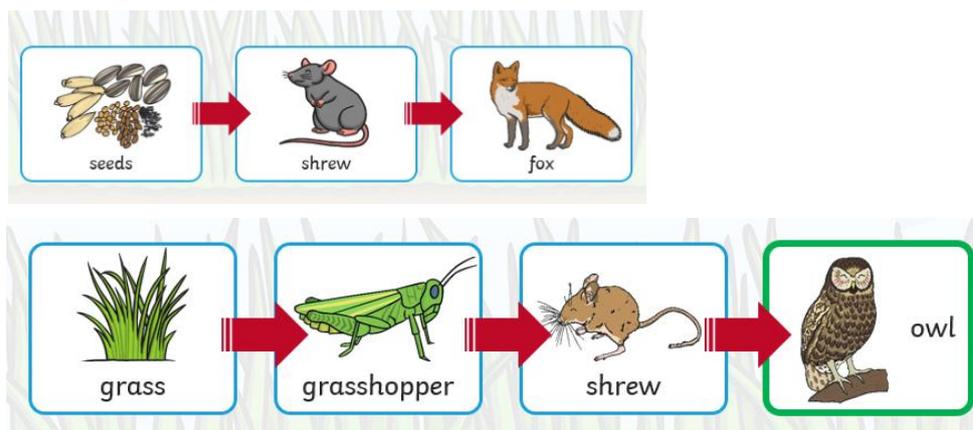
- Make a homemade bird feeder, see which birds come and visit your feeder <https://www.bbc.co.uk/cheebies/makes/bird-feeder>
- Which animals are endangered? Research on the Twycross zoo website: <https://twycrosszoo.org/>
- What habitats can you see in your garden or in trees?
- Can you design your own animal that would be able to live in your house/garden.. think carefully about the habitat!

Activity: Can you make some food chains?

Watch the video to explain what a food chain is:

<https://www.bbc.co.uk/bitesize/clips/z96r82p>

All living things follow a food chain. Here is one for you to see:



Can you draw your own food chains?

How many can you draw?

Humans

Activity 1: Heart Investigation



- Exercise is really important to keep our bodies healthy. In particular, exercise helps our heart to pump our blood.

Follow these instructions to see what happens to your pulse!

1. Try to find your pulse on your wrist or neck (sit quietly and be patient)
2. Go and do some exercise for 5 minutes! Running, skipping, jumping
3. Now sit down and find your pulse again
4. What does it feel like now? Has it got faster or slower?

Can you answer these questions?

- What does exercise do to your heart and pulse?
- What is the job of the heart? (https://www.youtube.com/watch?v=Vot7V7_2Uol)
- Why does our heart go faster when we are exercising?

Activity 2: Hygiene and keeping clean

- We know we have to wash our hands to stop spread of germs! Especially at the moment.. but why is it important for our whole body to be clean?
- Why do we need to wash our hands? See for yourself why washing our hands is important for our hygiene by modelling what germs do when we wash our hands with soap. Instructions:

<https://www.fizzicseducation.com.au/150-science-experiments/kitchen-chemistry-experiments/pepper-surface-tension/>

Watch this video to see how to clean to get rid of germs:

<https://www.youtube.com/watch?v=NoxdS4eXy18>

Activity 3: Human body

Label parts of a human body that are external (we can see) and internal (we can't see!)



Here are the parts you can label:

External parts: eyes, nose, mouth, shoulders, elbows, arms, fingers, legs, shin, ankle, feet, toes.

Internal parts: lungs, heart, tongue, stomach, bladder, intestines, brain

Fun activities:

-Play Simon Says "Simon says touch your shin, elbow, ankle" If Simon doesn't say you are out!

-Draw around someone at home... can you label all their body parts? Draw their hair and face!

-Use paper mache to make your head and face! Paint it

-Draw or paint your body/face or your family



Purple Mash - <https://www.purplemash.com/sch/brookside-le2>

There have been set some 2do tasks to link with plants and science but there are lots of extra games and painting activities, if you wish to have a go at them.

If you log into purple mash

- ❖ click on science
- ❖ then find topics
- ❖ click on plants and you will see a range of tasks!

Computing

You can also have a go at computing tasks too.

- ❖ Click on computing
- ❖ Then find 2code
- ❖ You can have a go at any of the coding games on that page

If you search around on purplemash you can find lots of other fun activities to do too! 😊