

Science Activities

Key Stage	Activities	Resources
Activities for all	<p><u>Walking water</u> using three glasses in a row. Put water into the outer two glasses (preferably with food colouring in them). Put one end of the kitchen towel in the empty glass and one in the coloured water. Repeat this for the other glass and watch!</p> <p><u>Which colour it hotter?</u> Put ice cubes into a separate bowls. Put different colours of paper or card on top of each bowl and see which ice cubes melt the fastest? You could time them and record this in a table.</p> <p><u>Moon diary</u> Look outside each night at the moon and draw what you see. Keep a diary each night.</p> <p><u>Bird watch</u> Sit at your window for 20 minutes and look out for birds. Record the birds that you see. Find out more about the birds that you have seen.</p>	<ul style="list-style-type: none">- Glasses- Kitchen towel- Food colouring- Coloured paper/card- Ice cubes- Bowls

<p>EYFS</p>	<ul style="list-style-type: none"> - Floating and sinking - Investigate which objects float and which one's sink. - Plant some seeds (or watch some plants grow). - Go on a colour hunt around your house. - Make a rainbow. - Which toy car goes fastest down a ramp? - Draw a picture diary of the weather each day. 	
<p>KS1</p>	<p><u>Seasons</u></p> <ul style="list-style-type: none"> - Keep a weather diary. - Draw pictures of trees during different seasons. - Make a rain gauge and measure how much water you collect. <p><u>Animals, including humans</u></p> <ul style="list-style-type: none"> - Make a home for an animal. This could be in your garden or a bug hotel from junk modelling. - Research different groups of animals (fish, mammals) and create a fact file about them. - Look at photos of different animals and compare them. - Ask someone to draw around you with chalk on the patio and label your arms, legs, head, neck, elbows, knees. - Match pictures of adult animals and their babies. - Find out about what all living things need to survive and write about them. - How can humans stay healthy? Find out. - Experiment with how many times you can do different types of exercises (star jumps, running between two points, skipping). - Investigate how exercise affects your heart rate. - Write a food diary for a week. - Experiment: Can you recognise a food from its taste? - Any food that children may recognise without seeing it. 	<ul style="list-style-type: none"> - Paper - Plastic bottle - Pens - Chalk - Sticks - Leaves - Different drinks - Watch/timer/stopwatch - Junk modelling

LKS2

Plants

- Draw a plant and label its parts. Create a fact sheet about the function of each part of the plant.
- Plant some seeds (or watch some plants grow).
- Keep a diary of your plant growing - take photos every few days.
- Experiment: Does the shape of a seed affect how far it will travel? Make different seed shapes from paper and drop them. How far do they travel? Write about it.

Animals, including humans

- Research the names of animals with and without skeletons and make a list.
- Write about the diet of your pets (or a pet you would like to have) and compare it to yours.
- Research the different food groups and create a poster about them.
- Make a healthy plate of food, photograph it, then label the food and their groups.
- Write a food diary for a week.
- What evidence can you find that animals have been in your garden? Write about it.
- Make a home for an animal. This could be in your garden or a bug hotel from junk modelling.
- Make a fact file page about your favourite animal.

- Seeds
- Plants
- Paper
- Sticks
- Leaves
- Junk modelling

UKS2

Living things and their habitats

- Draw the life cycle of two of these: a mammal, an amphibian, an insect or a bird. Compare them.
- Create a fact file about David Attenborough. What link does he have to Science?
- Research an animal you have heard of but known little about. Create a fact file about it.
- What is classification? How do it work?

Animals, including humans

- How do we change as we age? Write about the different stages of life.
- Experiment: Play a memory game with your parents; who has a better memory? Why do you think this might be?
- Name the parts of the circulatory system. Write about the functions of the heart, blood vessels and blood.
- Keep a food diary for a week.
- Research the importance of a healthy diet.
- Investigate how exercise affects your heart rate.

- Memory game
- Paper