

## Observe

**Plants** (KS1/KS2) -keep a diary of a deciduous plant/tree; what can you see today, tomorrow, in a week? Can you measure a leaf, and record its growth? How would you record this? How would explain the changes?

**Habitats** (KS1/KS2) -get an old plant pot and build a bug hotel with materials from your garden e.g. rocks, soil, grass cuttings. Observe what animals come to live in your hotel. Why might they choose your hotel?



## Investigations

**Light** (KS2) - Can a shadow have a colour? Use a variety of objects and lights to build your own shadow investigation. What materials/objects will you use? What will your light source be? How will you keep it a fair test? How will you record your investigation?

**Exercise** (KS1) -How many star jumps can you do in one minute? Record this. Then practice every day for a week and repeat the investigation - did you do more than last week? Why/ why not? Record your findings? Can you create your own exercise based investigation?



# Science Home Learning

## Classify

**Materials** - Find objects in your bedroom. Can you sort them by their material? What would your category title be? Can you sort them with a venn diagram (KS1) or a carroll diagram (KS2)?

**Healthy eating** - Have a look through your kitchen cupboards (with an adults permission) and select a range of items. Can you sort them nutritionally or by food groups? What would your category title be? Can you sort them with a venn diagram (KS1) or a carroll diagram (KS2)?

## Research



### States of Matter (KS2)

- look for water around and outside of your home. Look at different times of the day - where can you find it and in what states? Gas, liquid or solid? Can you research how these changes take place? And present your findings in a fun and interesting way?

**Planets** (KS1)- choose a planet of your choice and research interesting facts about it. How far is it from the sun? What are its neighbouring planets? Has a probe ever visited it? Present your findings in a fun fact file.



## Problem Solving

**Materials** (KS1)- what material keeps things the warmest in your house? A tea towel or a bath towel? A blanket or a plastic food bag? How could you find out? Devise an investigation to test the insulation of different materials. Record every step.

**Sound** (KS2) - there are no phones and you need to find a way to speak to someone in another room (no shouting aloud). How can sound travel through household objects? Can you find a way to communicate with somebody through talking, by creating and making a sound device, with no electronics.. Record your enquiry.