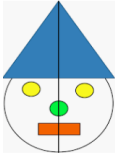




Go on a symmetry hunt. How many things can you find inside and outside that have a line of symmetry? Use Lego, twigs, clothes pegs etc to make your own symmetrical picture or model.



Investigate floating and sinking in a basin of water. Can you find 10 things that float and ten that sink? Can you create a boat from household recycling? How can you make your boat move?



Print or copy the grid on the next page. Put 4 symbols in different boxes. Can you write a sequence of instructions to travel from one symbol to another. Easier - use arrows. Challenge - use compass directions.



Practise your model making skills by finding different ways to make card figures stand up. (You could use the card from cereal boxes) Try slot joins or sticking a small box or card tube behind it.

Copy and complete this code: a=1, b=2, c=3, d=4... use the code to write a secret message for somebody. Can you make up your own code? Use your code to write treasure hunt clues.



What happens when you squash leaves, flowers and other vegetation between stones or other hard surfaces? Press small scraps of paper on top to see the colours even clearer.



Make an ice picture. Put some small objects, such as pieces of leaves or buttons, into the bottom of a plastic tub. Add about 2 cm of water and freeze. Once frozen take it out of the tub and hold it up to the light. Take a photograph or find a way to hang it up outside.

Lift some logs, rocks or even plant pots to see what is underneath. How many legs has the bug you have found got? Does it have wings, antennae, a long body or short? What colour is it? Please don't forget to return them back to their dark hiding places when you're finished!



Investigate shadows. On a sunny day lay a toy outside on a path. Draw around the shadow with chalk or a stone at different times of day. If inside close the curtains and put a small toy in the middle of a sheet of paper. Shine a torch on it from different angles. Describe what happens to the shadow.

