

Science

Please check with an adult before you carry out any of these investigations as you may need a grown up to help you! You can simply have fun investigating these or you can take photos, draw pictures and write about what you have found out.

Websites

- BBC bitesize <https://www.bbc.co.uk/bitesize/primary>
- Nature detectives/ woodland trust <https://www.woodlandtrust.org.uk/blog/2020/03/kids-nature-activities-self-isolation/>
- Deadly 60 <https://www.bbc.co.uk/cbbc/shows/deadly-60>
- The blue planet <https://www.bbc.co.uk/programmes/p04tjbtX>
- DK find out <https://www.dkfindout.com/uk/>
- National geographic - kids <https://www.natgeokids.com/uk/>
- Oak National Academy <https://www.thenational.academy/online-classroom>



Key Stage 1	Key Stage 2	Key Stage 3	Key Stage 4
<ul style="list-style-type: none"> • Find 3 things that float and 3 things that sink. • Find a white and a yellow flower. • Look under rocks or bricks, can you find anything? • Can you spot 3 different types of birds? Which bird was your favourite? Why? • Draw a picture of a living thing that you have found outside such as a flower, an insect or a bird. 	<ul style="list-style-type: none"> • Have a look around and see if you can find any of these creatures; butterfly, spider, worm, woodlice. Which creature had the most legs? • See if you can spot 3 different types of birds. Can you say why they are different? Draw your favourite one that you spotted • Find out what foods dissolve. Have 3 glasses of water. Choose 3 food items from the list. Put one food item into each glass and stir. If the water goes clear and you can't 	<ul style="list-style-type: none"> • Make a parachute and use it to fly a toy safely to the ground • Make a paper aeroplane. Can you use the internet or a book to find more than one design? Which one stays in the air the longest? Which one can fly the furthest? • Find three objects around the house such as a teddy bear, a toy car, a doll, a spoon and a ball. Which one do you think is the heaviest/lightest? Which ones do you think will float/sink? If you drop 	<ul style="list-style-type: none"> • Perform a change of state by cooking something. Say how the finished item is different from the ingredients at the start. • Measure or draw around the leaves in the sun and in the shade on the same plant. Are the ones in the shade bigger or smaller than the ones in the sun? • Which biscuit is the best at dunking? Hold different biscuits in a drink for 1 minute. Which ones fall apart? Try this for different times such as 30 seconds or 2

see the food, then it has dissolved. You can use things like sugar, salt, flour, hot chocolate, coffee, rice.

- Can you make a boat out of paper? How many coins can you put in the boat before it sinks?
- What is your favourite animal? Find out facts about that animal such as, where in the world does it live? How heavy does it get? What does it eat? How many young does it have? Draw your animal.

them, which ones will fall the fastest?

- Grow a seed. You may have a packet of seeds at home or you can use a seed from an apple or put a slice of tomato onto some soil and see if the seeds in that will grow.
- Look for birds and use the internet or a book to find the names of some of the ones you have found.

minutes.

- Watch a science program such as Deadly 60 or Blue planet. Tell someone in your house about what you have found out.
- See if you can spot any of these animals; robin, squirrel, blackbird, blue tit, rabbit. Make a list of all the creatures you have seen. If you can't name one of them, use the internet to find out what it is.

