



## Simple Science Activities at Home from Imperial College London

We have sourced some great science activities for you to do at home during the lockdown. Each week we bring new activity ideas for you to do together at home as a family. Some of these will be things we've come up with, or from organisations that we think are great.

As always, when trying these activities, the most important thing is to be safe, ask questions and have fun! These activities are all about trying new things and learning new skills, not making something perfectly. If you don't have all the materials listed you can often swap a few items, so get creative.

- **Blast off into space! (3 + years)**

Last week you may have watched the SpaceX rocket blasting into space! Celebrate the success of the SpaceX Rocket by making [your own rocket](#), and learning about sliding and pushing. This activity works best if you can use black card, and you will need glue and scissors. The picture of the rocket we've drawn is quite simple, but older kids may enjoy researching what the real SpaceX rocket looks like and draw that instead.

- **Make some Ice Cream (5 + years)**

You might have noticed it's pretty hot outside. Cool off by making [your own ice cream](#) with this activity from the Science Museum. You'll need some salt, ice, zip-lock bags, milk and gloves. Flavours, sprinkles and a cone are all delicious extras!

This activity uses salt to lower the temperature of the ice, which then cools the ice cream! It means you can make ice cream without a freezer.

- **Explore Blood with the Francis Crick Institute (7 + years)**

The [Crick, a medical research centre near King's Cross](#), has lots of great activities available to download as part of their [Discovery Week](#). We really like [this activity](#) where you can make your own blood inspired crafts, delivered by a researcher who studies Malaria.

You'll need, corn flour, bicarbonate of soda, water, paint, marker pens or nail varnish and some string. As always if you are heating mixtures make sure an adult is always supervising.

They have also produced this amazing [blood colouring in sheet](#) you can print and colour in yourself. We'll be coming back to the Crick again over the following weeks, as they have lots of great activities!

- **Crafty Birds (from 5 + years)**

[The Wildfowl and Wetlands Trust](#) have some great bird-based activities to celebrate summer. Firstly here is a quick activity to make [an origami swan](#) which is really easy and just uses a piece of paper. You can also use [this guide](#) to help young children draw

a fantastic duck. If you take colouring pencils to the park you might be able to colour in your picture by observing real ducks in a pond.

If you do go outside you can always make this [nature journal](#) from our friends at the NHM, that will help you record what you find.

If you have any questions about these activities or would like to find out more about our community programme for residents in North Ken and White City please email [whitecity.community@imperial.ac.uk](mailto:whitecity.community@imperial.ac.uk).