

Starters for STEM: the Easter Edition

Starters for STEM are 10 activities that parents can use at home to help children develop their science, technology, engineering and maths skills. These activities are easy to resource and provide children with the stimulus to talk about the world around them. If you see a link you can explore how to extend these activities, you will need to sign up, for free, to access these materials. Don't forget to share your work on social media

#ScienceFromHome

Make a jumping bunny

Learn about elasticity and force whilst making a jumping bunny. All you need is some paper cups, elastic bands, scissors and some craft equipment. How can you make the bunny jump the highest?

<https://www.creativelittleexplorers.com/jumping-bunny-cup-craft/>

Code an Easter egg hunt

Use Scratch to code your own Easter egg hunt game. There's even a bunny sprite who could collect the eggs!

<https://scratch.mit.edu/>

What's in the box?

Easter eggs come in packaging of all shapes and sizes. Can you create and decorate a net for a box to hold one of your Easter eggs? Carefully opening out one you already have may help give you some ideas.

<https://www.stem.org.uk/rxssa>

Easter stained glass window

Cut out an egg shaped frame from black paper with some strips across the middle, joining the sides. Then stick tissue paper over the gaps. Put it in your window to let the light shine through. Identify which materials are opaque, transparent and translucent.

Look out below!

Create parachutes of different shapes, sizes or materials. Attach string to each of the corners of your parachute and then attach them to your chocolate egg. Which parachute creates the softest landing?

Plastic egg floating challenge

Try filling plastic eggs with different materials to see which floats and which sinks. Does the amount of material in them make any difference?

Challenge yourself to get your egg to sit half in the water and half out.

Melting Easter eggs

Watch the video in the link below to find out how chocolates are made through reversible changes. With help from a grown up, melt some of your own chocolate Easter eggs. Maybe use it to decorate the top of home made buns. Let them cool and set before taking a bite.

<https://www.stem.org.uk/rx33b2>

Endangered egg decorating

Combine art and science to create models of endangered species. Choose your favourite threatened species and study their key features. Then decorate an egg to look just like them!

<https://www.stem.org.uk/rx3224>

Transport an egg down the zip line

Try out this super Easter STEM challenge! Create a harness to take a chocolate egg, or if you're brave, a real egg, down a zip line.

<https://www.science-sparks.com/egg-stem-challenge/>

Signs of Spring

Take a walk with your family, look carefully in your garden or even look out of your window. It's Spring and there's lots of new life out there.

Record all the signs of new life you can see. Create a table, list them, or draw pictures. How many can you find?