

Starters for Science are 4 activities that parents can use at home to help children develop their science alongside the key learning and vocabulary children are using at school. The activities are easy to resource and provide children with the stimulus to learn and talk about their science topic. Encourage children to use the correct vocabulary as they talk about what they are doing and finding out. Don't forget to share your work on social media

#ScienceFromHome

Key Learning:

There are lots of different materials that things are made from.

All materials have names and we use those names to describe the material.

Materials have special properties that mean they are good for making certain things.

We can change the shape of materials by squashing, bending, twisting and squeezing.

We can melt ice and freeze water.

Warming things makes them melt. Cooling them can freeze them.

Questions:

What do you think will happen?

What happened?

Tell me about

Let's explore

Let's find out

Shall we try

Vocabulary:

wood, paper

plastic, metal

glass, water

rock, brick

stone, fabric

material, foil

elastic, dough

rubber, card

hard/soft

shiny/dull

stretchy/stiff

rough/smooth

bendy/not bendy

waterproof/not waterproof

squash, twist, bend

stretch

Painting with water

Get a bowl full of water and a brush. A decorators brush is great for this. Paint the pavement or the walls. What happened to the water? Did the colour of the wall/ pavement/ fence change? Did the pavement stay 'painted?'

Dunking championships

Which biscuit do you think will be the best for dunking? Choose a few different biscuits and some cups of warm water. Dunk each biscuit in the cups in turn. Which lasts the longest without breaking?

New roof for the 3 pigs

After the Big Bad Wolf blew down the 3 little pigs house they needed to repair the roof. They decided to make it waterproof to stop the rain coming in. Can you build them a roof that will stop the rain coming in? Explore different materials to find the one that is most waterproof.

Ice hunt

Freeze some treasures in a block of ice in the freezer. Now can you rescue them? What is the best way of getting your treasures back?