

Your @home tasks: Experimenting

Joys of Attraction

Experiment around your house and see what things the magnet will stick to. Does the magnet still work through paper, card and plastic? Before you try it, predict if you think the magnet will stick or not. Make a list of the objects it stuck to and a list of those that didn't.



Musical Coat Hanger

The child suspends the coat hanger via the loops in the strings from their index fingers. When the hanger is struck it makes a dull thud sound – not very musical. Then ask the child to bend forward so the hanger is not touching them and put their index fingers in their ears. Now when the hanger is struck, it still sounds like a dull thud to everyone else, but to the child it sounds like a gong.



Sink and float

Changing the shape of an object can change whether it sinks or floats.

- Fill a cup or bowl with water
- Make a ball out of blutack and put it gently on top of the water
- Repeat the experiment but this time change the shape of the blutack into a bowl and release it hollow side up
- Then make a hollow ball out of the blutack and do the same. Do they sink or float?

Sink and Salt

Fill 2 plastic cups labelled A and B. Add $\frac{1}{4}$ cup salt to one cup of water. You can add a few drops of food colouring to both cups of water. Get your child to place the hardboiled egg in cup A and then cup B. Which one does the egg float in?



Which Car Rolls the Fastest?

Remember the sliding experiment we did in the video? Now it's your turn to try this @home! Collect some toy cars or other small wheeled toys you have at home and test which one rolls the quickest down the slide. Make an incline with your cardboard, tray or whiteboard. If you have a slide you could use this too. Remember to make predictions by observing your cars, feel how heavy/light they are and if they are different lengths remember how we made it a fair test?

