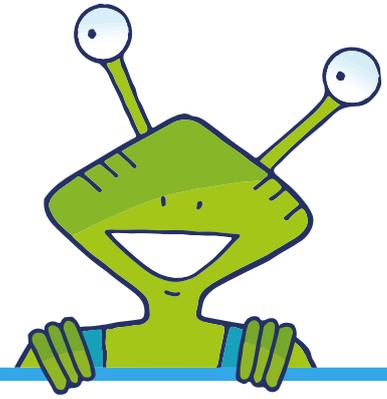


SUMMER SCIENCE

Keep the kids entertained with fun summer science activities from awesome kids' science magazine [Whizz Pop Bang...](#)



egg drop challenge



"Egbert"

Ask your child to draw a face on an egg and give it a name. You're going to drop their egg out of an upstairs window and their job is to design something that will prevent the egg from breaking. Let them loose with any packing materials you can find – cereal boxes, old clothes, newspapers, egg boxes, grass cuttings, toilet rolls, wool, plastic bags – let them construct what they like. Test your child's contraption with an undecorated test egg until you are both confident enough to send "Egbert" flying.

Tips: You could talk about seat belts and crumple zones in cars, and using air resistance to slow the egg down - try a plastic bag parachute. Trialling lots of designs shows the importance of experimenting and testing, which is what real engineers do too!

sprinkler science

Use a drawing pin to make several holes in a 2 litre plastic bottle. Using an outdoor tap, fill up the bottle with water and watch the streams of water coming out of the holes. The jets coming from the bottom of the bottle spray further than those at the top. Ask children for suggestions on why this is happening. **Hint:** Think how much water is pushing down on the top holes, compared to those at the bottom. More water pressing down means more pressure, which forces the water out at a great speed so that it travels further. Now use gaffer tape to tape your bottle to the end of a hose and use as a sprinkler for the kids to run through!



solar-powered oven



Close the top of an empty cereal box and cut a large flap into one of its sides. Line the insides of the flap and box with foil. Put some marshmallows inside and then cover the hole in the box with two layers of clingfilm to keep the heat in. Use a stick to prop up the lid so that it reflects the sun's rays into the oven and uses the energy to cook your marshmallows. Leave in the sun for between 30 minutes and an hour until the marshmallows are nice and squishy. Gobble them up!

