**Rocket science**

Launch a plastic rocket using carbon dioxide fuel made from soluble indigestion tablets and water – or vinegar and bicarbonate of soda.

**You will need:**
- small bio yoghurt drink containers with plastic lids or old film canisters;
- tin foil;
- card;
- indigestion tablets or vinegar and bicarbonate of soda;
- felt-tipped pens, materials for decorating;
- glue and scissors.

**Risk assessment:** Care is needed when handling tablets that contain aspirin. Also ensure that children have room to stand clear of the launch pad – results may take around one minute to show.

1. Cover the body of the rocket with tin foil, folding the edge into the neck of the container. Ensure that the lid fits snugly – without becoming too tight – and forms a stable base for the rocket. Be aware that if the lid is not secure enough, the container may burst away from it.

2. Cut a circle out of card approximately 7cm in diameter and decorate it. Cut into the centre and overlap to form a cone shape. Glue to secure. Attach to the non-lid end of the rocket to make the nose.

3. To make the wings, cut out and decorate two isosceles triangles.

4. With the shortest sides at the top, fold over one top corner of each triangle. Add glue to the corners and secure the wings to each side of the rocket.

5. Fill approximately two thirds of the rocket with water. Drop in a soluble indigestion tablet and quickly replace the lid. Stand the rocket on a flat surface, lid side down. Stand well back and await lift off! Be patient, it may take around one minute for results to show.

6. Investigate which ‘fuels’ make the rocket fly the highest and whether the ratio of solid to liquid makes any difference.