

Science

Today is all about looking at a **FAIR** test - a **FAIR** test is where you only change **ONE** thing in an investigation.

Example

If our investigation was to see how different surfaces can affect how an object moves.

We could use different surfaces on the ramp - sandpaper, smooth plastic, a jumper but keep the car we use, the angle of the ramp and the person measuring the distance travelled the same.

We could then compare the results from each different investigation (how far the car went on the different surfaces) to show what impact the change of surface made but only changing one thing per investigation to make sure it stays **FAIR**.

Tomorrow, we'll try out this investigation but today is about creating a **FAIR** test.

Investigation - To make a parachute that allows a toy to stay in the air for the longest time.

Equipment

- Carrier bag x 2
- String
- Toy

- Stop watch

I want you to think about the carrier bag.

What could you do to the carrier bag (perhaps think about it's size and shape) to allow you to repeat your investigation twice and compare your results but making it a **FAIR** test so that everything else stays the same (the lengths of string you use are the same, the toy you use is the same, the height you drop the parachute from is the same and the person timing the drop is the same).

In your home learning book explain how you would change the plastic bag in your second investigation?