

Forces

This week, we are going to be looking at **air resistance**.

Key Questions:

What is air resistance?

What is surface resistance?

What is the difference and what is similar?

Where do we see this every day?

Watch these videos:

Air resistance:

<https://www.bbc.co.uk/bitesize/topics/zsxxsbk/articles/zxw6gdm>

<https://www.bbc.co.uk/bitesize/clips/zsjd7ty>

Friction:

<https://www.bbc.co.uk/bitesize/topics/zsxxsbk/articles/zxqrdxs>



Your challenge!

As we have learnt, air resistance is the friction between the air and another material. Below are three images of three different ways that you can test this.

1. Blow air from a hair dryer into a bag and see if it holds up, or moves
2. Make a hot air balloon out of a plastic bag and attach a person to it. Throw this up into the air, and see if it slowly falls down to the ground. (Why not try this outside with some wind)
3. Make a hot air balloon out of a bag, string, and a cup/box. Again, throw this up into the air and watch it fall to the ground. You can try to outside and see where it moves to!

If you do any of these, film it and put it onto SeeSaw so we can see your fantastic experiments!

