

Monday 23rd March 2020

Science - Forces

WALT: Identify the effect of air resistance on a moving material

When you move through air it pushes you back. This is called air resistance.

You are going to do a simple investigation into air resistance.

To do it you will need the following:

- Space to run!
- A sheet of card or paper held in front of you like the picture below:

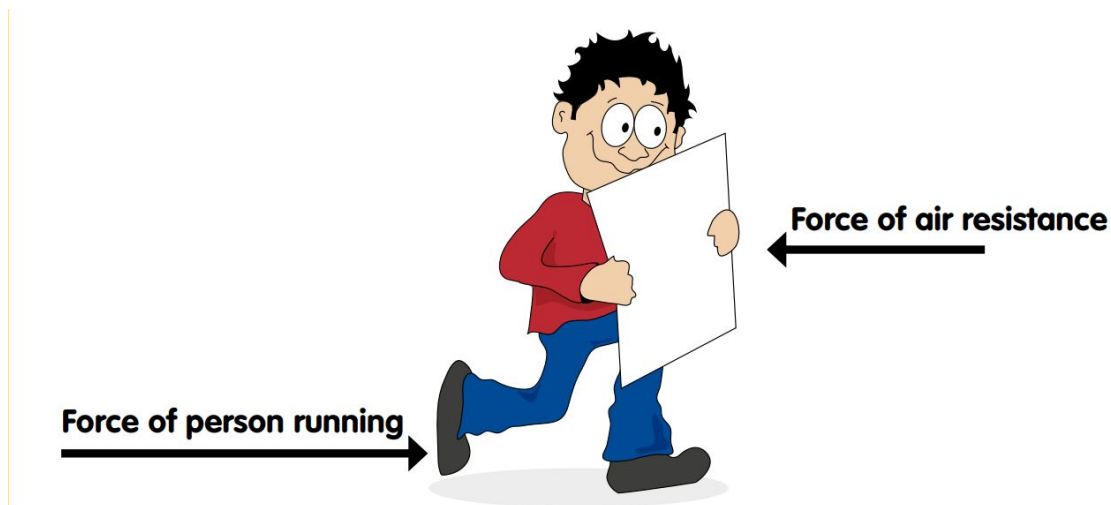


Image from: <https://www.stem.org.uk/resources/elibrary/resource/33451/forces-and-air-resistance>

To investigate air resistance try running without the card in front of you first. Then try the same run again but this time holding the card.

Can you feel the force of air resistance as you run with the card? Could you feel it without the card?

You can now carry out your own investigation into air resistance by exploring one of the following questions:

- What happens to the amount of air-resistance if we run faster?
- What happens to the amount of air-resistance if we use larger pieces of card?
- What happens to the amount of air-resistance if we fold the card into different shapes?

Name: _____

Date: _____

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Question I have chosen to investigate:

My prediction:

My results:

What I have changed to investigate air-resistance.	My own description of how the air-resistance felt.

My conclusion:
