



Air Resistance

YEAR 5 SCIENCE SUMMER WEEK 4

This week we are learning about air resistance.

Work through the PowerPoint, watching the videos when prompted.

You can answer the questions either directly onto the PowerPoint and send it back, or record on paper or in your workbook.

How many words can you make using each letter in the grid once?

S	E	A
T	R	M
N	I	L
E	D	*

Watch this video

http://www.youtube.com/watch?v=AEJfQdQd4_Y

Why do marathon racers use a wheelchair this shape?

Starter

Take two pieces of paper.

Scrunch one into a ball and keep the other one flat.

Stand up and drop both at the same time.

Starter

Did both pieces of paper fall at the same speed?

Why not?

Which two things are different about the pieces of paper?

What is Air Resistance?

Watch these two videos in a wind tunnel

What is different about the two vehicles and the way the air moves around them?

<http://www.youtube.com/watch?v=B29ScK8tIwY>

<http://www.youtube.com/watch?v=1tjJmArxVBM>

Air Resistance

Write down what you think air resistance is using the key words:

Air resistance, slow down, objects

Extension: See if you can also use these words in your explanation:

Friction

Air Resistance

Air resistance is an example of friction. It is when the air particles slow down objects moving through it.

Air Resistance

Try and list some examples of air resistance.

Think about cars, animals, things fallings?

Air Resistance

http://www.youtube.com/watch?v=9I_uDjL-WAo

Air Resistance

How are the birds flying in a special way to reduce the amount of air resistance?

Streamlined

Streamlined objects easily push the air out of the way. They have a low air resistance.

Objects that are not streamlined have a high air resistance.

Streamlined or not?









Air Resistance

Is air resistance always a bad thing?

Watch these Flying Squirrels.

<http://www.youtube.com/watch?v=1-FHzf4xnWw>

