

Thursday, 18th March 2021

L.O: To investigate air resistance

Starter

Match the correct answer

A match lights when we strike it because.....
Friction is a force that
Without friction between our shoes and the ground.....
Skiers wax the bottom of their skis to.....
Friction happens because.....
Friction on the moving parts of a bike can be reduced by.....

.....always acts in the opposite direction to the moving object
.....two surfaces rub together.
..... of the friction between the match and the box.
.....oiling the moving parts.
.....we would keep falling over all the time.
.....reduce the force of friction so they can go faster

Read the text, 'Air Resistance' in pairs

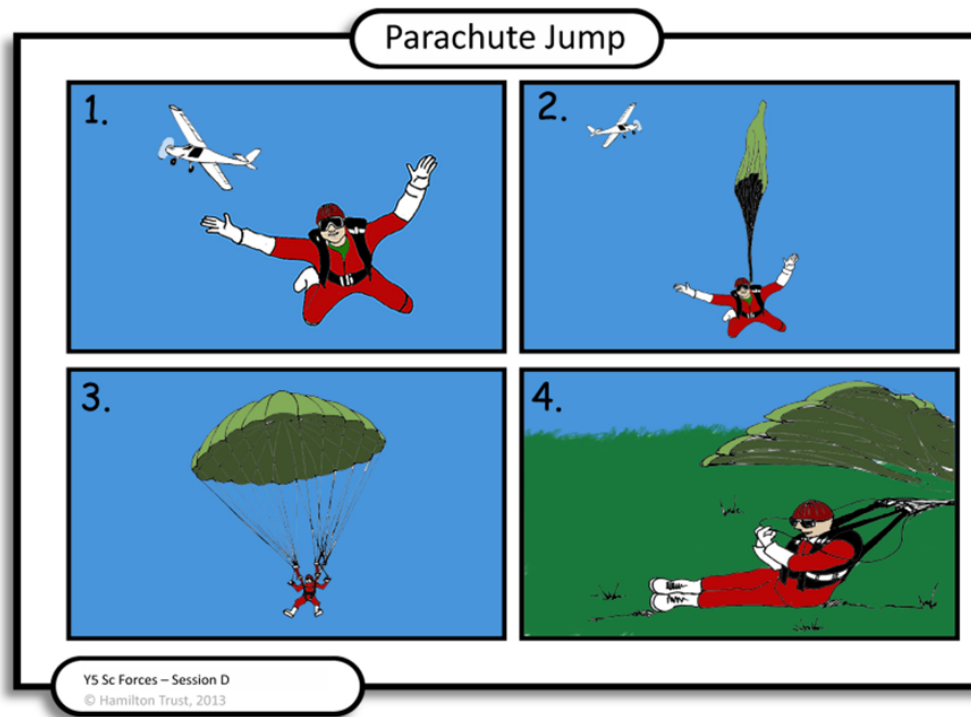
As you read, answer these questions in your books.

- What is another name for 'Air Resistance'?
- What are the two main things that affect 'Air Resistance'?
- Who discovered 'Air Resistance' and when was it discovered?
- What did Galileo determined from his experiments?
- How does 'Air Resistance' affect riding a bicycle?

What is Air Resistance

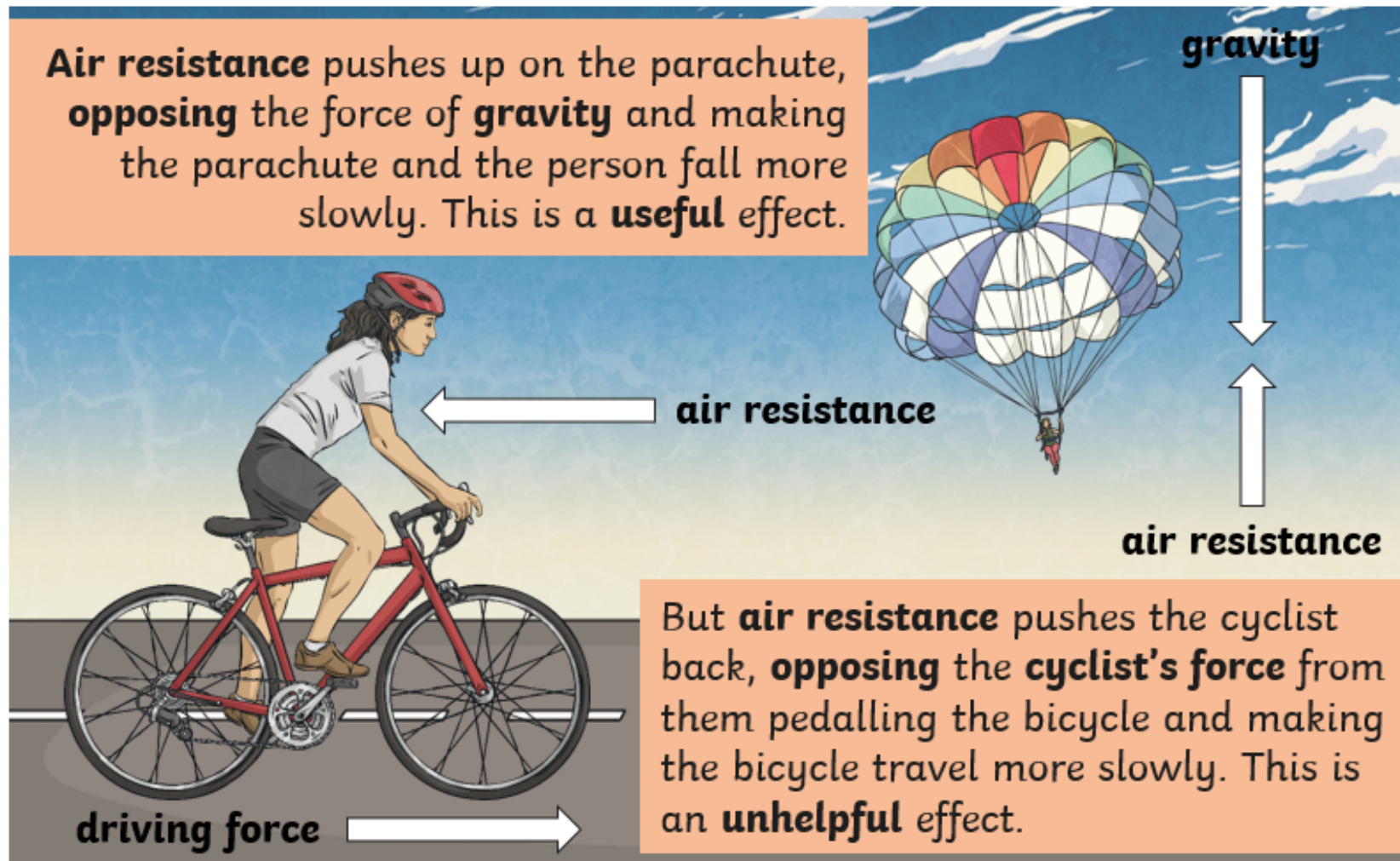
Air resistance is a kind of friction that occurs between air and another object. It is the opposing force that the object experiences as it passes through the air.

Gravity



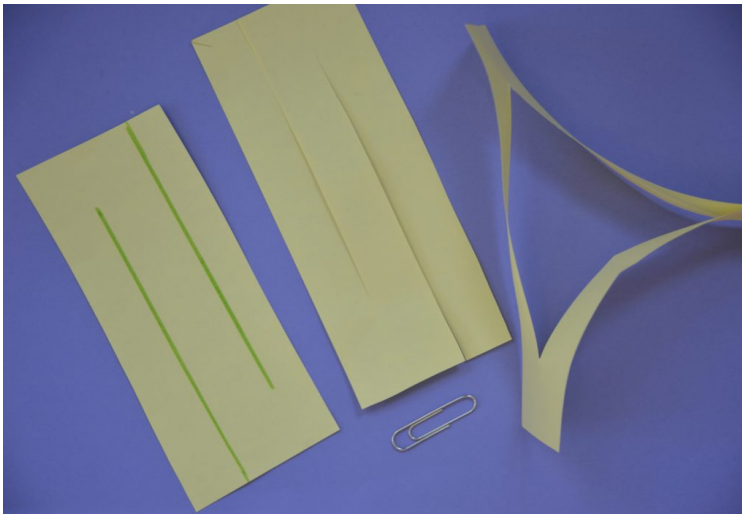
Air
Resistance

Air Resistance



Investigate and Report

In groups, we will be investigating effect of 'air resistance' on a 'paper spinner' while changing only one variable.



Different variables that could impact the results of the experiment are:

- Size of the paper spinner.
- Weight of paper spinner (number of paper clips).
- Height from which it is dropped.

In your books write:

- Today we will be testing the effect of changed variables on the air resistance of a paper spinner.
- The variable we will be changing is _____.

Investigate and Report

We will be investigating effect of 'air resistance' on a 'paper spinner' while changing only one variable.

Draw this table in your books

	Variable changed (size, paper clips, height)	Time taken to land (sec)
Test 1		
Test 2		
Test 3		

Complete the table using the findings from the experiment and explain your finding in your own words.