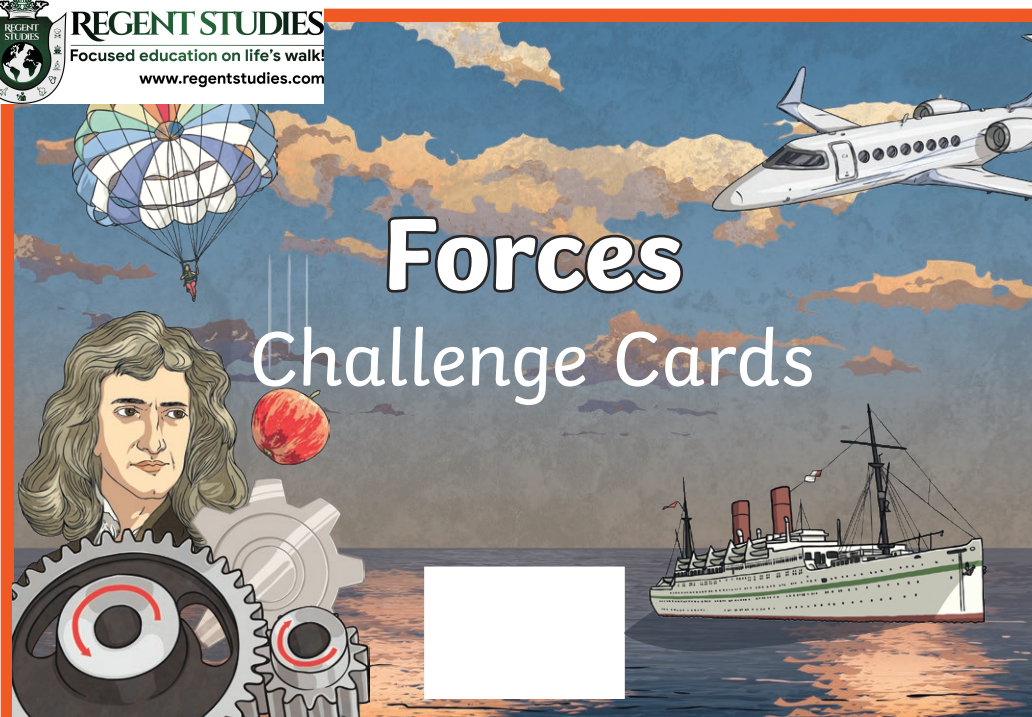


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# Forces Challenge Cards

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Forces Challenge Cards

Can you rearrange the letters in this anagram to make a word that describes a type of force?

caboyuny

What does it mean?

Forces Challenge Cards

Can you rearrange the letters in this anagram to make a word that describes a type of force?

itocfnri

What does it mean?

Forces Challenge Cards

Can you create an A-Z of forces?

A = air resistance

B = buoyancy

C = cog

D = direction



Can you describe two features of streamlined shapes?



Forces Challenge Cards

Match these actions with the correct type of force:

Turning on a tap	Push
Walking with a pram	Pull
Rowing a boat	Push
Firing a bow and arrow	Pull

Forces Challenge Cards

Can you describe the different forces acting on each object?

- A bicycle cycling uphill
- A boat sailing on a lake
- A skier skiing downhill
- A skydiver parachuting from an aeroplane
- A swimmer swimming underwater



Forces Challenge Cards

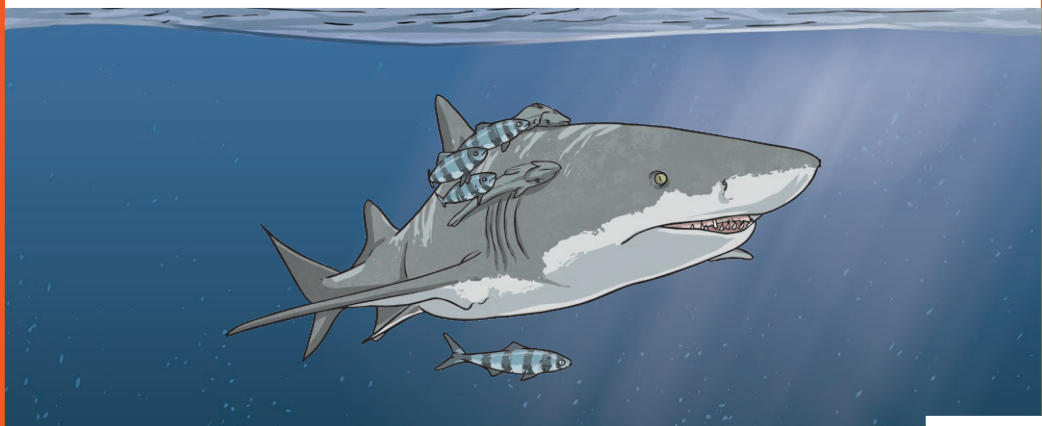
Are these statements true or false?

- Gravity pulls objects down towards the centre of the Earth.
- The measure of force is named after Galileo Galilei.
- Smooth surfaces create the most friction.
- Air resistance is a form of friction.
- Levers make it easier to lift heavy objects.



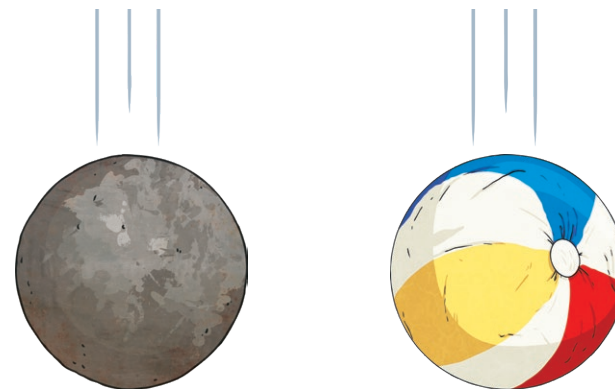


Draw some annotated pictures of forces in nature, e.g. you might draw animals who experience air or water resistance.

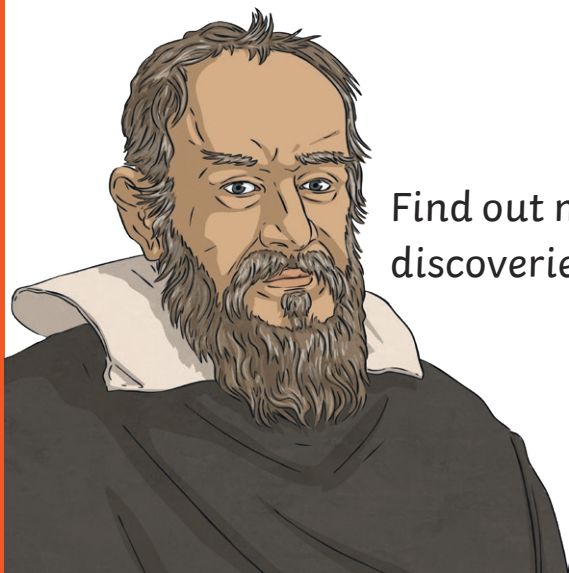


Forces Challenge Cards

Plan an experiment to show that objects of a similar shape and size (but with a different mass) will land from a height at the same time.



Forces Challenge Cards



Find out more about the life and discoveries of Galileo Galilei.

Forces Challenge Cards

Write a short story, mentioning the different types of forces you have learnt about in this unit.

