



Fascinating Forces

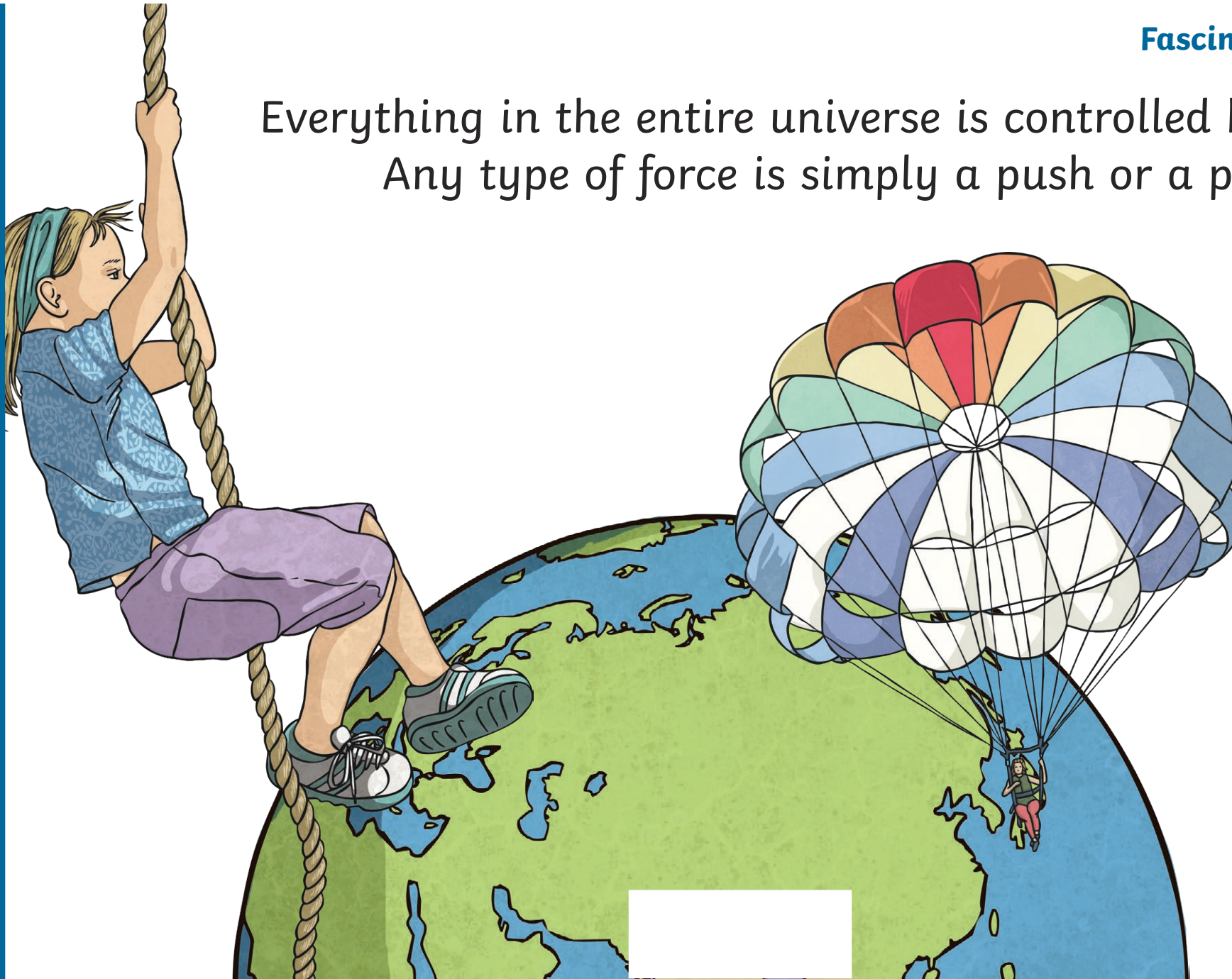
Forces are measured in units known as newtons (N). They were named after the scientist Sir Isaac Newton. Sir Isaac Newton was an English mathematician and physicist who is said to have discovered gravity when he saw an apple falling from a tree.





Fascinating Forces

Everything in the entire universe is controlled by forces.
Any type of force is simply a push or a pull.





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If two forces are working in the same direction, they will combine to create a bigger, stronger force. If they are working in opposite directions and are equal, they will cancel one another out.





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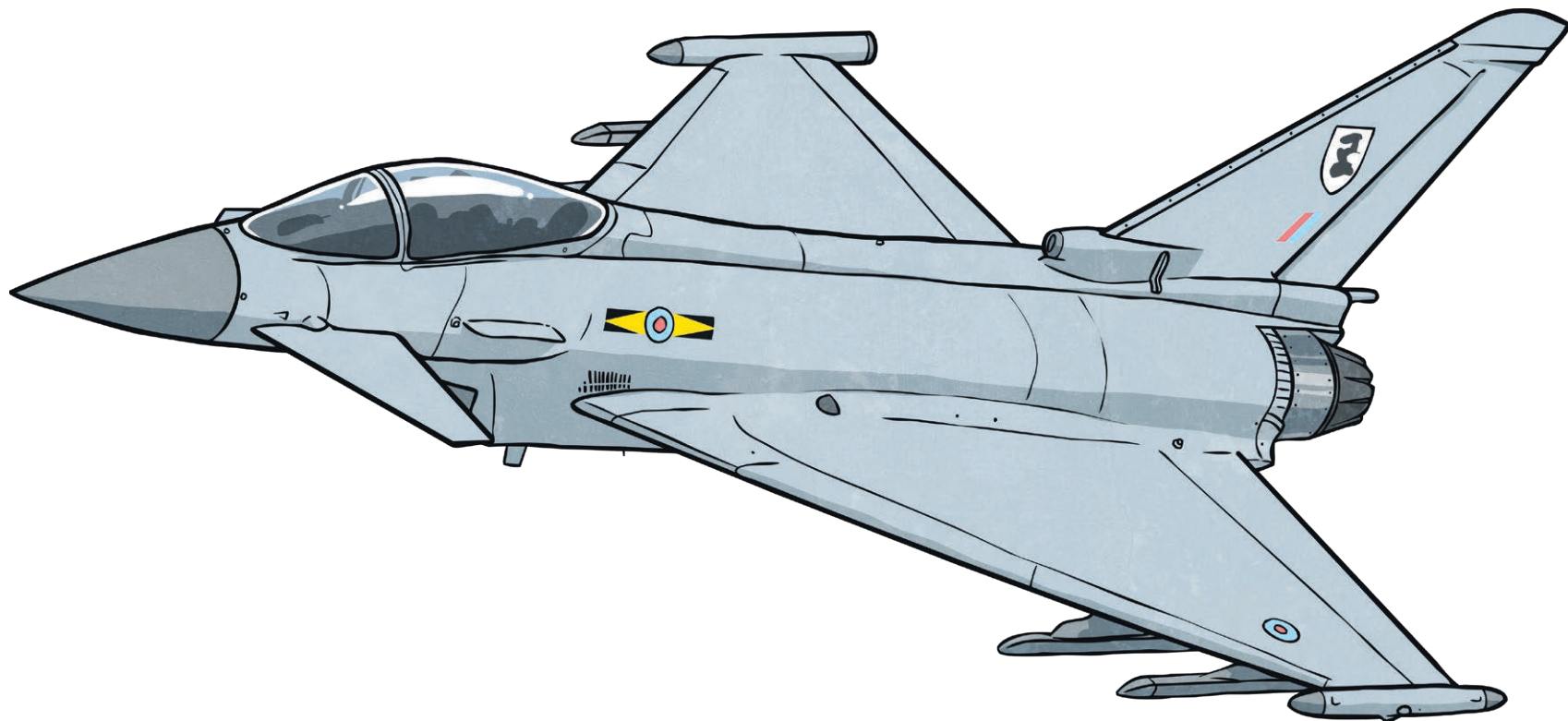
When something moves there is more than one force involved. For example, if someone takes part in a skydive, the force of gravity will pull them towards the Earth and the force of air resistance will push against them.





Fascinating Forces

Velocity refers to a measure of how fast an object is moving in a particular direction. Thrust is the word used to describe a force that increases the velocity of an object. Drag is the word used to describe a force that decreases the velocity of an object.





Fascinating Forces

Forces can change the shape or size of an object and even the direction or speed of a moving object.

