

Forces

Our new topic for Summer 2 is Forces. What do you already know about forces?

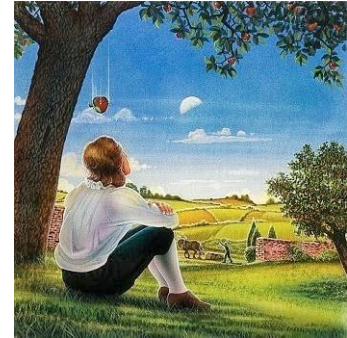
Key Questions:

What is a force?

What is gravity?

Who is Isaac Newton?

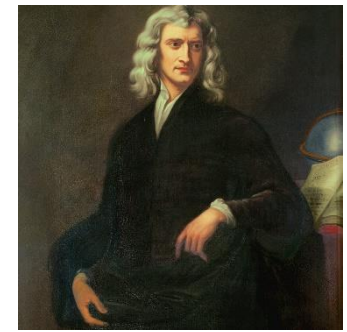
What unit of measure did he create and begin to use?



Watch these:

<https://www.bbc.co.uk/teach/class-clips-video/science-ks2-discovering-the-work-of-Sir-Isaac-Newton/zr4mf4j>

<https://www.bbc.co.uk/teach/class-clips-video/science-ks2-the-work-of-sir-isaac-newton/zkw3qp3>



Activity:

Using our knowledge of how gravity works, you are going to test the gravity of different objects. You are going to find 6 objects that weigh different amounts.

For example:

- A sock and a pencil
- A book and a scrunched up piece of paper
- A toy and a scrunchie

You are then young to hold each object out in front of you (one in each hand), with straight arms. After 3 (3...2...1...GO) you are going to drop each object. Which object fell quickest? Did they fall at the same time? Can you stand higher up (if it is safe to do so)?

Does the weight of an object affect the amount of time that it takes to fall onto the ground?

If you have a try at this experiment, film it and put it onto **SeeSaw** so we can see you testing the gravity on earth!

Good luck scientists and I look forward to seeing your responses!