

## Forces

This week we are looking at

## mass!

### Key questions:

What is mass?

What determines if an object has a larger mass or a smaller mass?

What objects have mass?

What is mass measured in?

### Watch these videos:

[https://www.youtube.com/watch?time\\_continue=23&v=Y8-T8RouhPA&feature=emb\\_title](https://www.youtube.com/watch?time_continue=23&v=Y8-T8RouhPA&feature=emb_title)

<https://www.youtube.com/watch?v=KBzszSr6MWk>

<https://www.bbc.co.uk/bitesize/topics/z9sfr82/resources/1>

### Your task:

You are going to test the amount of mass needed, to stretch an elastic band (or something similar).

You will need:

- A small plastic bag or a sandwich bag
- Elastic bands (or hair ties)
- Objects weighing different amounts.

Firstly, find different objects with different weights (you may want to weigh them to see how heavy they really are!)

Then you are going to put each object, separately, into a plastic bag and attach the rubber band to the handles of the bag.

WATCH as the band stretches, depending on the weight of the object!

## Measurement Weight/Mass

kilogram

mass

weigh



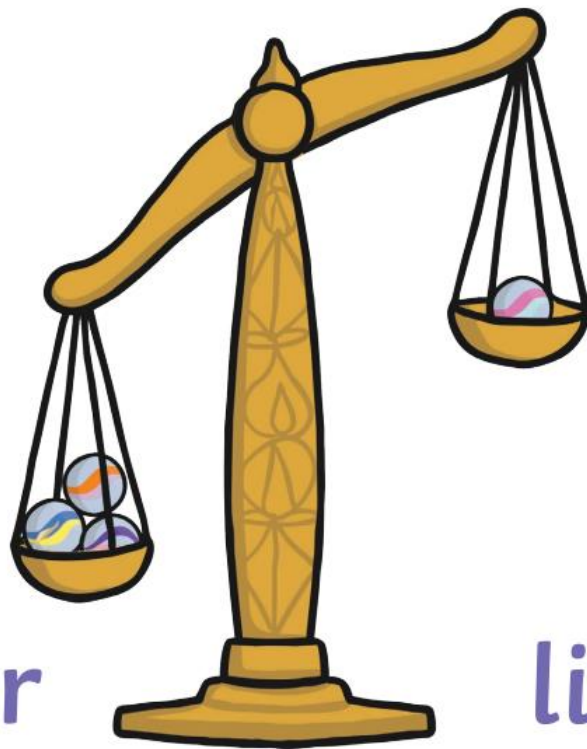
light

heavy

gram

You will notice that an object with a larger mass stretches the rubber band more than the object with the smaller mass.

Put this onto SeeSaw, so we are able to see your fantastic mass investigations!



heavier

lighter