

### What are we learning about?

This topic we are learning about forces. You will have heard of some forces before (like gravity) but there will be some new ones too! We will learn how to measure, calculate and investigate these forces in different ways.



### Why are we learning about it?

Forces are everywhere! Without forces you couldn't move, talk, or even lie down! Your cars and bikes wouldn't work, planes would never have been invented, and even computers and computer games wouldn't exist!



### What new **KNOWLEDGE** will I gain?

Examples of forces, how to measure forces, how to calculate forces and resultant forces, the difference between contact and non-contact forces, gravity, friction, tension, levers, and two famous scientists called Newton and Hooke!



## Forces: Learning Journey

### How does this build on the **SKILLS** I already have?

All of the skills you learnt in our first topic are useful now! Names of equipment and how to use them will come up time and time again, as will taking results and drawing graphs!



### What new **SKILLS** will I develop?

All of the skills you learnt in our first topic can now be applied to real science and real experiments! You will work on linking your practical observations to the things you have learnt.



### How does this build on the **KNOWLEDGE** I already have?

You will already know some equipment from your first topic of the year, and we will build on this knowledge. You will also have learnt about forces a little bit in primary school, but now we can investigate them fully!