

### What are we learning about?

This topic we are learning about the effects that forces have on objects. The forces we learnt about in Y7 can cause objects to move, stretch, squash, and more. We will learn about how to describe these effects in detail.



### 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?

Levers and moments, balancing objects, pressure on solids, liquids and the atmosphere, the effect of forces on motion and how to represent motion using numbers and graphs.



## Effects of Forces: Learning Journey

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

All of the skills you learnt last year are useful! 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 have worked on over the last year 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 learnt about forces thoroughly in Y7, but not what they are capable of! You will need to use all your existing knowledge of forces as a starting point for this topic.