

### What are we learning about?

This topic we are learning about energy. Energy is one of the most important science topics, and you will learn about it in some form at least once a year. Energy is literally how the world works, so knowing about how it works is very important!



### Why are we learning about it?

Energy is the science of how everything works. Why do you need to have breakfast in the morning? Why are there speed limits on roads? How is electricity generated and how is fire started? All energy.



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

Different energy stores, including kinetic and gravitational, energy transfers, work done, conservation of energy, insulation, efficiency, paying for energy, power stations and solar panels.



## Forces: Learning Journey

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

All of the skills you learnt in our first term 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?

There is some complicated maths at times in this topic – but you can do it! We will take it slowly and work together to solve the questions. You will also be doing more practical write-ups.



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

You will already know some equipment from your first term this year, and we will build on this knowledge. You may also have learnt about energy a little at primary school.