



Links to literacy

We develop scientific literacy through reading scientific literature aloud, and applying knowledge to extended writing questions. We discuss key concepts with our peers to help embed key terms.

AUTUMN - 2Topic name: **Chemical reactions and the environment**

Why study the topic?

Chemical reactions are important for industrial processes. The quicker and cheaper you can make a material the more profit can be made. Additionally, using more renewable resources helps to combat the impact of global warming.

2

SPRING - 2Topic name: **Electricity and Magnetism**

Why study this topic?

Electricity and magnets are at the foundation of many appliances ad used across many industries. Without electricity, life as we know it wouldn't exist. There would be no lights, no cars and no phones!

4

SUMMER - 2Topic name: **Keeping healthy**

Why study this topic?

Understanding how organisms are formed from a basic cellular level allows us develop medical treatments and explain our origins. You will learn about what makes up the cells in your body as well as how different our cells are from other organisms.

6

1

AUTUMN - 1Topic name: **The Periodic table and materials**

Why study the topic?

Everything around us is made up of different types of atoms and elements. Understanding the properties of these materials allows us to use it to our benefit. We can create lots of materials from waterproof clothing to nano-gadgets.

SPRING - 1Topic name: **Waves and Pressure**

Why study this topic?

Waves are all around you every day. From light, to sound, to microwaves, we are surrounded! Understanding waves allows us to use communication as well as medical technologies (x-rays for example). Understanding changes in pressure allows us to design products such as submarines, diving equipment and space crafts to ensure people can be safe during those activities.

3



Links to Numeracy

In Science, we use mathematics to organize and analyse data in tables and graphs, to see and make sense of patterns in the data, to represent scientific phenomena and concepts.

5

SUMMER - 1Topic name: **Energy from food**

Why study this topic?

Understanding different types of food groups will allow you to make informed decisions about your diet. You will find out how and where your food goes after you have swallowed it!