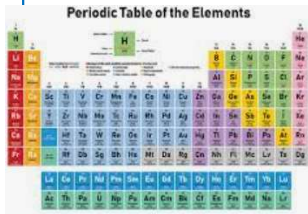


### Periodic Table:

How is the periodic table organised? Once you learn the basics about the periodic table being organised into metals and non-metals, periods and groups, you will also learn about the properties and trends of the different groups in the periodic table.



### Challenge :

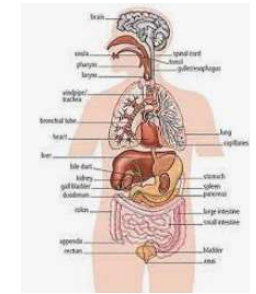
Why are group 1 alkali metals the most reactive metals in the periodic table? Can you also find out why they get more reactive as you go down the group.

### The Human Body:

Why is a balanced diet important? Once we learn the importance of different food groups and food tests, you will learn how the digestion system works. Once you understand how the digestion system works, you will move onto learning about breathing and the lungs.

### Check point

A topic assessment testing knowledge, of The periodic table and The human body.



### Challenge:

Write a story about the journey of a sandwich in our digestive system and present it in class.

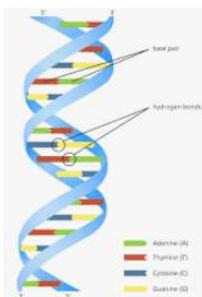
### The Autumn line

### Check point

A topic assessment testing knowledge, on Metals, Acids & Alkalis, Bioenergetics, Variation & Inheritance.

### Bioenergetics and Variation & Inheritance:

What is the difference between aerobic and anaerobic respiration? Is there life on other planets? What factors affect photosynthesis? You will also learn about variation and heredity by looking at the structure of DNA.



### Challenge :

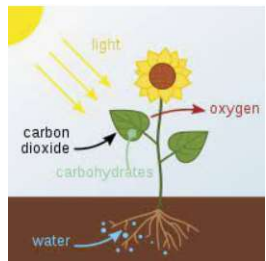
Create a poster about chemistry in the world around and enter it into the RSC competition



### Metals, acids and alkalis:

Why is sodium stored under oil? What happens if you mix an acid and an alkali? We will formally introduce you to the world of Chemistry as explore some of the elements on the periodic table.

### The Spring line



### Challenge:

Can you design and make a DNA model and present it to the class?

### Forces & Motion and Waves:

We will continue in our journey and look at the different types of contact and non-contact forces around us. You will also be introduced to transverse and longitudinal waves. How does your ear hear sound waves?

### Check point

End of year assessment testing your knowledge and skills from each of this year's units.

### Challenge:

Your challenge will be to use all the different skills and understanding from different KS3 topics taught and to design and build a strong bridge in this project task.



### Electricity & Magnetism:

Learn the science behind building electric circuits and find the link between electricity and magnetism.

### The Summer line

# Science

