

Year 8 Science Learning Journey

What makes a healthy diet?



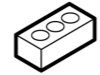
Builds on from YEAR 7: Organisation and cells

I will have explored the contents of a balanced diet and the organs of the human digestive system.

Skills covered:

- Make observation and analyse the information
- Make and record observations and measurements

What is the importance of the periodic table?



Builds on from YEAR 7: HOW DO CHEMICALS REACT?

I will have understood how the periodic table was developed and the different properties of elements in the periodic table

Skills covered:

- Formulate predictions
- State examples of theories in science.

What are forces ?



Builds on from YEAR 7: WHAT IS A FORCE ?

I will be able to understand the different types of forces and their effects.

Skills Covered:

- Identify variables
- Justify anomalous results

How do plants survive?



Builds on from YEAR 7: WHAT MAKES UP AN ORGANISM?

I will have a clear understanding of photosynthesis and respiration.

Skills covered:

- -Interpret observations and data, including identifying patterns and using observations,

Start of the Year

Why do we look like relatives?



Builds on from YEAR 7: WHY DO WE ALL LOOK DIFFERENT ?

I will have a clear understanding of inheritance and the two different types of variation.

Skills covered:

- Construct explanations

Are light waves the same as sound?



Builds on from YEAR 7: HOW DO WE HEAR AND SEE?

I will have a clear understanding of light waves and apply light waves to key theories of reflection and refraction?

Skills covered:

- State examples of theories in science.

What are chemical reactions ?



Builds on from YEAR 7: HOW DO CHEMICALS REACT?

I will have understood the formulation of compounds and how acids and alkalis react

Skills Covered:

- Record observations using scientific words
- Write word equations from information about chemical reactions.

How is the atmosphere changing?



Builds on from YEAR 7: WHAT IS BEYOND EARTH?

I will have understood how the atmosphere developed and how it is changing over time.

Skills covered:

- Formulate predictions
- Analyse data

What is energy?



Builds on from YEAR 7: WHAT IS ENERGY?

I will have explored the various forms of energy and how they transfer between each other

Skills covered:

- Make calculations

Why do opposites attract?



Builds on from YEAR 8: WHAT ARE FORCES?

I will have a clear understanding of magnetic poles, attraction and repulsion.

Skills covered:

- Construct explanations
- Record observations using scientific words

End of the Year