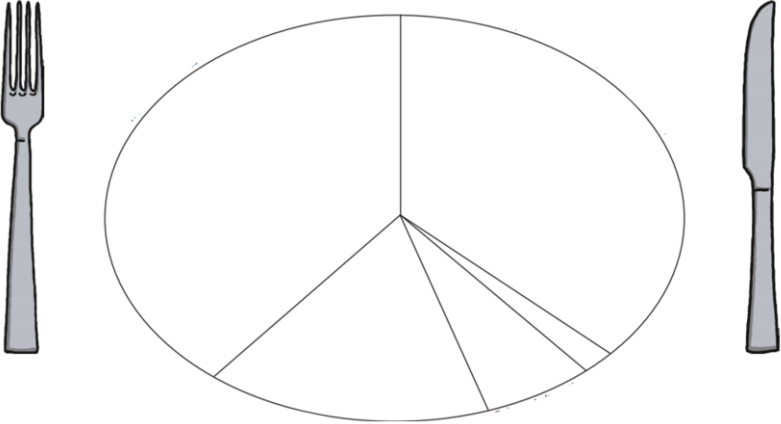


Welcome! We are so looking forward to meeting you in September and seeing the work you produce for us in the mean time!

Biology

In Year 8 you learn about digestion in detail – get a head start by drawing a plate of your favourite meal, identifying the food groups it contains and how much of each food group the meal contains. You can present this as a table like this next to your drawing.

My favourite meal				
Food	Carbohydrates (per 100g)	Fats (per 100g)	Protein (per 100g)	Calories



Chemistry

Chemistry is the study of the materials we use every day. The chemistry team have a few activities they would like you to try out.

Activity one

Find five objects in your home that are made from different materials. Copy and fill in the table to show why the objects are made from the materials. We have given you an example.

Object	Material the object is made from	Properties of the material that make it suitable for the object
Frying pan	Metal	Good conductor of heat Strong

Activity two

Plan and complete an investigation to answer the question: **can you dissolve more sugar or more salt in a glass of water?**

Variable	Will I change it or measure it or keep it the same?
Substance (sugar or salt)	
Amount that dissolves	
Volume of water	
Temperature of water	

Write your plan and collect your results. Can you write a conclusion to your experiment?

Physics

Physics is the science that explains how everything in the universe works.

Circuits

Can you draw a simple circuit that you would find in a torch? Include these things:

Battery bulb switch

The Sun

Check the Sun's position several times in one day and write the changes. **Warning: never look directly at the sun.**

Time	Height in sky	Position
7 am		
Noon		
4 pm		
9 pm		

The Moon

Watch the moon every night for a week. Write down what it looks like each day. Think about its shape and brightness.

Day	How the Moon looks
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

Forces

Some types of force slow us down when we are moving. Fill in the blanks using the words below:

water resistance air resistance drag

- A force that slows me down when I run is _____.
- A force that slows me down when I swim is _____.
- A force that slows me down when I cycle is _____.

Magnets

List some objects that are magnetic and some that are not.

Magnetic Non-magnetic