



## Dear parents and carers,

Welcome back Year 4. We hope you had an enjoyable half term. We have some exciting things planned for this term and some information that we would like to share with you. Please do ask me if you would like to know anything more about what we are learning or doing this term.

Have a great term of learning,  
Yaqub  
Class Teacher

## Theme- Science

The theme for Year 4 this term is Potions. This topic will involve students exploring the history of modern medicine and its evolution over time in the world. This will include finding out about the most important medical discoveries across history and the impact of these discoveries on the world today.

|                |   |   |  |                               |                              |   |  |
|----------------|---|---|--|-------------------------------|------------------------------|---|--|
| <b>Potions</b> | I can investigate the differences between states of matter. | I can investigate different types of potions. | I can describe different historical medical practices. | I can design a potion bottle. | I can name a range of gases. | I can create a bath fizzer and explain the science behind it. | I can create an advert for my bath fizzer. |
|----------------|---|---|--|-------------------------------|------------------------------|---|--|

**Vocabulary**  
bubble  
condense  
evaporate  
freeze  
gas  
heating  
liquid  
melt  
mixture  
molecule  
potion  
properties  
solid  
state  
temperature  
viscosity

**What is a potion?**  
Potions are liquids that are said to have healing or magical properties. Before people knew about modern medicines healing potion, often made from herbs, were thought to cure a range of health problems.

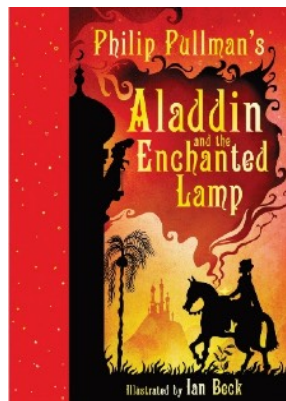
**Chemical Reaction**

**Anaesthetics**  
Anaesthetics are drugs used to put people to sleep when they have an operation. Have an anaesthetic means the patient will not feel pain during surgery. Many anaesthetics are gases and patients breathe them in through a breathing mask or tube. In 1848 an American dentist first used a gas called ether for pain relief to pull a tooth out. Before that there was no pain relief during operations. The discovery of anaesthetics is thought to be one of the greatest discoveries of all time.

|  |  |  |
|--|--|--|
| <b>solid</b><br>rigid<br>fixed shape<br>fixed volume | <b>liquid</b><br>not rigid<br>no fixed shape<br>fixed volume | <b>gas</b><br>not rigid<br>no fixed shape<br>no fixed volume |
|--|--|--|

## English

We will be continuing to look at narratives, including 'Aladdin and the Enchanted Lamp.' We will also be looking at letter-writing, where students will identify the various features and techniques used in a letter to write their own letter.



## Maths

This term, we'll be looking at *Interpreting and Presenting Data*. Our big picture in Mathematics for this topic is telling the story of the graph, where students will learn how to construct a line graph with data plotted.



## P.E.

In Physical Education this term, we will look to develop individual, transferrable skills which students can utilise across any sport or activity. The sport focus for this term will be Football.



## R.E. And PSHE/RSE

This term we will encourage a celebration of the diversity we encounter everyday in a multi-cultural society and will encourage children to understand the purpose of corresponding celebrations. In PSHE, we will be discussing the themes of friendships, decision making and strategies for conflict resolution.



## Design and Technology

This term, students will be refining their sewing skills with the purpose of making a purse. Students will be practicing key skills such as running and fastening stitches to attach items such as buttons.

## Computing

This term, students will develop coding skills for instructing and programming their own animations! This will include being able to initiate responses and movements according to codes children choose to use in their animations!

## Homework

A new *Potions* Homework Grid will go out to our Year 4 students. This grid will consist of a range of activities across the curriculum subjects and students can choose which activity to complete each week from any of the different categories. There are 9 pieces of homework in total, which gives children a choice to complete more than one per week. Children are still encouraged to make use of SumDog and Times Table Rockstars. This term, homework books need to be in on **Mondays** and will be given back out marked on **Wednesdays**.

## Dates for Autumn 2

|   |   |
|---|---|
| Wednesday<br>15 <sup>th</sup> December<br>2021  | KS2 Winter Concert                                |
| Friday 17 <sup>th</sup><br>December<br>2021   | <b>LAST DAY OF TERM 2</b><br><b>1.30pm Finish</b> |
| <b>CHRISTMAS HOLIDAY</b><br>Mon 20 <sup>th</sup> Dec 2021 to Mon 3 <sup>rd</sup> Jan 2022 |   |
| Tuesday 4 <sup>th</sup><br>Jan  | INSET day   |
| Wednesday<br>5 <sup>th</sup> Jan  | Children return to school                         |

Every day, children should:

- read their reading book for AT LEAST 10 minutes a day
- Practice spellings
- Complete a minimum of one piece of homework per week.

