



Kibworth Primary School

Year 4, Spring Term 1



Dear Parents/Carers

What a brilliant Autumn 2 term we had. The children's enthusiasm towards our Blue Abyss topic was wonderful. We have found out about a wide range of sea creatures, food chains and ecosystems. The children also produced some very persuasive writing using their new knowledge of the threat to Australia's Great Barrier Reef and created some great pieces of artwork in the style of Vincent Scarpace.

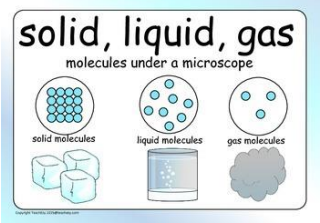
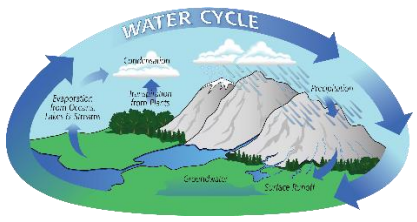
Our new topic for the following half term will be 'Potions'. We will begin the topic by creating our own version of Wacky Races to test the viscosity of everyday household liquids!

English	
Fiction - Speech	Persuasion - Description
The children will build their skills in using inverted commas and other punctuation to use direct speech accurately within their writing. They will use 'Alice in Wonderland' as an exciting stimulus writing conversations had between the weird and wonderful creatures Alice meets on her journey. They will then use all their writing skills to produce a descriptive piece of extended writing.	The children will recap their persuasion skills from Autumn 2 to persuade people to visit Wonderland. We will recap the structure of persuasive texts and the techniques we have already used to exaggerate how amazing it is. Our focus will be on descriptive language to make Wonderland sound like the most incredible holiday destination where everyone should be heading for this year!
Reading	
This half term we will continue to work on the skills needed to be able to understand and answer questions on a text. Our Fiction reading will be based around 'Alice in Wonderland'.	
Maths	
Multiplication and Division	Fractions
We will continue to work on the children's instant recall of times table facts up to 12×12 . Using their growing times table knowledge, the children will then use this to divide mentally and move to a written method to divide a three-digit number by a one-digit number. They will then use this skill to solve problems involving division.	Following on from our work on division, we will be working on finding fractions of a shape (e.g. shade in $\frac{3}{4}$ of the square) and then fractions of an amount (e.g. $\frac{2}{3}$ of 18). We will then apply these skills to solve a variety of problems by using their division facts and presenting their answers using accurately drawn diagrams.

Key Areas of Learning:

Science	Art
<p>Chemistry - States of Matter</p> <ul style="list-style-type: none"> To compare and group materials together, according to whether they are solids, liquids or gases. To observe some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius. To identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature. 	<p>Clay Work</p> <ul style="list-style-type: none"> To shape, form, mode and construct from observation or imagination. To plan a sculpture through drawing and other preparatory work. To develop skills in using clay including slabs, coils, slips etc
R.E.	Computing
<p>Why is Jesus Inspiring? (Cont)</p> <ul style="list-style-type: none"> To know how and why people decide right and wrong To know how some inspirational people have been guided by their religion <p>To know connections between stories of temptation and why people can find it difficult to be good</p>	<p>Logo</p> <ul style="list-style-type: none"> To identify that accuracy in programming is important To create a program in a text-based language To explain what 'repeat' means To modify a count-controlled loop to produce a given outcome To decompose a task into small steps To create a program that uses count-controlled loops to produce a given outcome

Outline of our Learning Journey:

Week 1 and 2:	
<p>Solids Liquids and Gases</p> 	<p>To begin our unit we will be investigating what makes a solid, what makes a liquid and what makes a gas. After deciding on our criteria we will sort given items into these groups and challenging them with items such as sand and flour which seem to not follow the rules at first glance. We will look at what these states of matter look like when we zoom all the way to their molecules and acting like the states of matter in the playground to consolidate this.</p>
Week 3 and 4:	
<p>The Water Cycle</p> 	<p>We will then investigate the processes of evaporation and condensation and the role that heat plays in these changes of state. We will do experiments in the classroom to consolidate this knowledge and see evaporation and condensation occurring first-hand. To complete the unit, we will apply this knowledge to understand the water cycle, where evaporation and condensation repeatedly happens on a much larger scale.</p>
Week 5 and 6:	

Clay Sculpture





To complete the unit we will be creating our own potion bottles using clay. We will begin by researching existing bottles and the features that they have. We will then plan and design our own bottles using exploded diagrams to show where all the pieces will be attached. The pupils will then spend a lesson investigating how to use the clay and the tools effectively before completing and painting their final design.

Extra things you may like to do at home:

- Read as much as you can - does your book use speech. Can you spot the rules?
- Watch the news and discuss it with someone at home.
- Practise your times tables and try and beat your own score!

Useful Links:

<h3><u>Hit The Button</u></h3>  <p>www.topmarks.co.uk/maths-games/hit-the-button</p> <p>Carry on practising your times tables when possible.</p>	<h3><u>Times Tables Rockstars</u></h3>  <p>Remember to write down your best score!</p>
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We are looking forward to a great half term of fun filled learning and wish to thank you all for your continued support.

**Joanne Watson, Phoebe Hammond, Sarah Wilkinson
Anna Hartley, Sam Scott, Chris Carson and Hannah Tyrrell**