



News and reminders

Remembrance Day - Poppies

Please ensure that your child has an empty 2L bottle in school by Monday so we can begin to make our poppies for remembrance. Thank you to those families who have already sent them in.

PE days:

Year 3: Wednesday **Year 4:** Monday and Friday (Pine Class go swimming on a Monday)

Children should come into school in their correct PE kit. Please ensure that your child is wearing the Bierton P.E. hoodie, blue Bierton P.E. t-shirt and black leggings/joggers.

We would also like to remind everyone that due to health and safety, earrings need to be removed or taped for PE lessons. Unfortunately, we cannot help children to remove their earrings or put them back in.

Homework

Just a reminder that homework is set on a Monday and is due by the following Monday.

The homework requirements in Year 3 and 4 are:

- Maths task to be completed on Purple Mash
- Spelling task to be completed on Purple Mash
- 30 minutes across the week on TTRockstars (split into 20 minutes garage and 10 minutes studio)
- 30 minutes across the week on Numbots
- Daily reading (complete at least one quiz on Accelerated Reader each week)
- Website for Accelerated Reader: <https://global-zone61.renaissance-go.com/educatorportal/entry?t=6703196>

Diary dates

- **Friday 10th November:** Year 4 Remembrance Service at 9am
- **Thursday 16th November:** Flu vaccinations
- **Friday 17th November:** Children in Need (more information to follow)
- **Friday 24th November:** Open classrooms - parents and carers invited into the classroom to view books - at 2:45pm
- **Monday 10th December:** Year 3 ukulele performance at 2:30pm

Eco Warriors

We would like to give a big shout out to our eco warriors who worked with Mr Howard to litter-pick around the school grounds. Remember to use our value of responsibility and put any litter in the bins.



Superstar Learners in October

Well done to these children who have received a certificate:

	Hazel	Holly	Pear	Pine
6th October	Hajirah Responsibility	Daniel Love	Khayrah Love	
13th October	Eva and Willow Cooperation	Sophia Responsibility	Corey Respect	
3rd November	Laylah Responsibility	Oscar Responsibility		
Growth Mindset	Maya	Alex	Saarang	
Pen Licences	Arnas Hajirah Maya Noah Riley	Sophia		

Highest number of coins on Numbots	Highest number of coins on TTRS	Highest number of quizzes passed
Saarang (Pear)	Adbhyo (Hazel)	Hazel (203)
Finley (Holly)	Ajen (Holly)	Pine (150)
Elliott (Pine)	Molly (Pine)	Holly (120)



If your child has achieved something outside of school, we would love to hear about it and showcase it within our phase newsletter.



Lieracy

We have just started our next narrative unit based on 'The Magic Paintbrush' by Julia Donaldson. The children loved their experience day, where they created images using their fingers. This week, we have already practised using imperative verbs, prepositional phrases and showing direct speech using inverted commas. The children have been generating incredible vocabulary within our sentence stacking lessons.



Maths

We have been learning to add and subtract 3-digit numbers. This has also required us to solve some questions that require renaming. We have been using a place value grid with tens frames, alongside the column method to help us solve these problems.

	H	T	O
	9	8	4
-	3	2	8

Science

We have just finished our topic on rocks and have learnt about the formation of different rocks and soils. We also investigated the properties of different rocks and soils.



This half term, we will be learning about forces and magnets. The knowledge organiser for this unit can be found later in this newsletter.

Art

Our first art unit focused on pre-historic art and incorporated some of our history learning about Stone Age Britain. We developed our sketching skills and practised scaling images. We then experimented with the use of charcoal and used spices and flour to make natural paint.



R.E.

Our question this half term is, "Is light a good symbol for celebration?" This week, we have learnt about Diwali and the story of Rama and Sita. The children then created their own Diwali lantern. Throughout the half term, we will look at other celebrations, including Hannukkah, Advent and Christingle.



Spirituality

In preparation for our Harvest Festival, some children from Year 3 visited Bridge the Gap foodbank. While we were there, the children reflected on ways they could help others, with one child suggesting that they would use their pocket money to purchase something for the foodbank, rather than for themselves.

Literacy

Our learning this half term has been focused around holiday brochures for different exciting places in the world. We have started off with learning all about Sicily and we travelled on a long journey using Air-Bierton (I highly recommend the airline!). The holiday brochure focuses on what a non-fiction piece of writing looks like. Using exciting titles and sub-headings to find the information the reader wants, as well as writing about the landmarks, weather and favorite foods with exciting vocabulary!

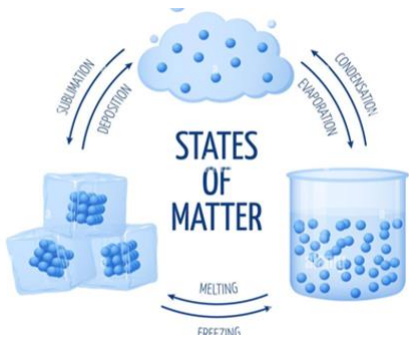


Maths

We have just started learning about our multiplication facts and understanding repeated addition in maths this half term. We have so far focused on the sequence of repeated addition and how you would work out what number comes next. Over the next few weeks, we will be stretching our knowledge of multiplication and will practice improving our recall throughout the next couple of weeks. We have also been working on recalling division facts through using our knowledge of multiplication facts.

Science

This half term, we are learning about states of matter. We are thinking about the process of water and discussing what happens. We will also be experimenting with diluting liquids with other liquids such as orange squash to see what reactions we get. We will then need to record our results using our knowledge of recording.



Music

In music we are learning about rock and roll. We will be starting off using our body and working up to using some instruments to follow the tune of a rock and roll song. As we are doing this, we will be thinking about rhythm and percussion. For example, we could be stomping to the beat or using the drums. It should be easy as we are all already times tables rockers!



R.E.

Our question this half term is, "What is Mary's role in the Christian faith?". We will also be looking in to how Mary is celebrated and worshipped. We will be looking at how the Christian faith demonstrates Mary through the Bible and looking at her significance.

Humanities

We have just begun learning about South America. We will be looking in to the Amazon rainforest as well as all the different countries within South America and their capital cities. We will also be comparing it to features in the UK.

Spirituality

During some of our class assemblies, we have been watching Newsround. After watching the episode, we discuss our favourite parts and why we enjoyed them. We also discuss the impact of some of the stories, for example how rescued gorillas are now being released back into their natural, wild habitat.

Before half term, Year 3 were transported back to Stone Age Britain. Our day began by exploring the extreme vastness of time and how long ago the Stone Age was. We then learnt about the different animals that were alive in Stone Age Britain and looked at the size and scale of them compared to a human. We also got to hold fossilised remains of many of the creatures—including the tusk of a woolly mammoth! Can you believe that a small woolly mammoth would be as tall as our school hall? Throughout the day, we used cooperation when completing team challenges and applied our investigative skills when completing a quiz. The highlight of the day was when we got to handle and study many historic artefacts. We would like to say a huge thank you to The Griffin Trust for funding the day—the children's engagement, enjoyment and knowledge have grown due to your generous contributions.





Year 4 had an exciting fieldwork trip to Cassiobury Park in Watford as part of our geography unit on 'Wonderful Water'. First, we worked out different features of a river but the best part was getting into the River Gade itself! We measured the depth of the river bed at different points and the speed of the river using a simple orange.

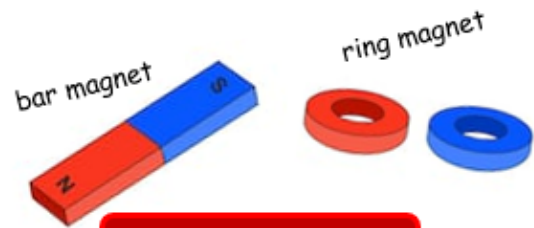
We even managed to practice our orienteering skills and found a waterfall from a former mill and a canal all in the park.



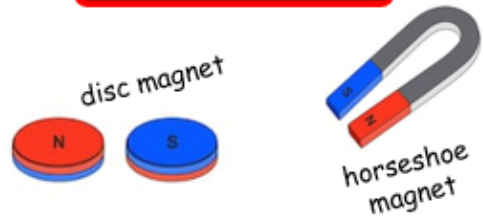
We are going to use the data we have collected from our trip to draw out the shape of the river bed.

We all had a great day and had very tired legs from all the wading in the river!





types of magnet



Knowledge Organiser Unit: Forces and Magnets

A permanent magnet produces a magnetic field around it that enables it to stick to some types of metal, like iron.

Aluminium and copper are examples of metals which won't stick to a magnet.

Some items can be magnetised by stroking a magnet along them in one direction. This can be useful for things like magnetising a screwdriver.

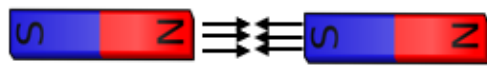
The Earth is a giant magnet, with a North and South Pole. It is magnetic because of the large amount of iron-rich molten rocks under its surface. The Earth's magnetic field stretches into space.

A compass works because it's north end is drawn to align with the Earth's magnetic field. A compass has helped people navigate for many years!

- 1 • What is magnetism?
- 2 • What are the different types of magnets?
- 3 • Do I understand that the Earth behaves like a magnet?
- 4 • What is the law of magnetic attraction?
- 5 • Do magnetic needles always point north?
- 6 • How do things move on different surfaces?

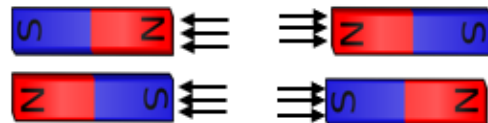
attraction

Remember, with magnets, opposites **attract**. If a North Pole is next to a South Pole, these are attracted to each other and will stick together.



repulsion

If magnetic poles are placed North to North or South to South, they are not attracted and will **repel** each other.



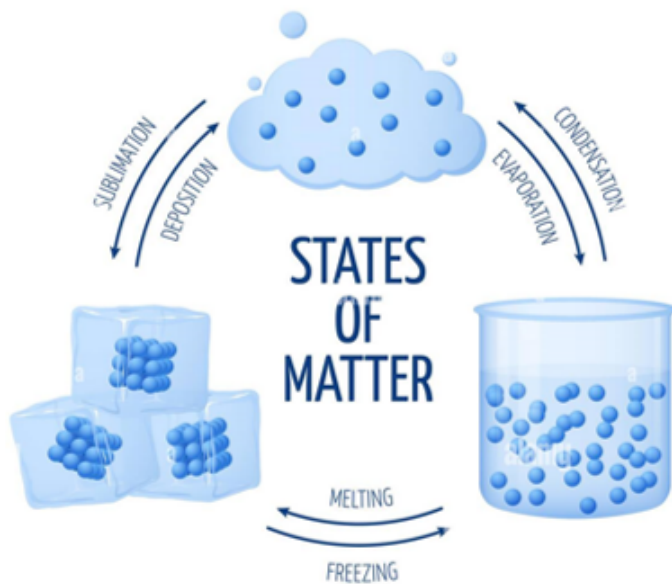
Key Vocabulary

Key Word	Meaning
lodestone	A mineral which is naturally magnetised.
horseshoe magnet	A U-shaped magnet
bar magnet	A magnet in the shape of a bar with the north and south pole at each end.
attract	To pull or draw oneself or itself.
repel	To force back or push away.
compass	An instrument containing a magnetised pointer which shows direction.
magnetic needle	A piece of magnetised steel used on the dial of a compass.

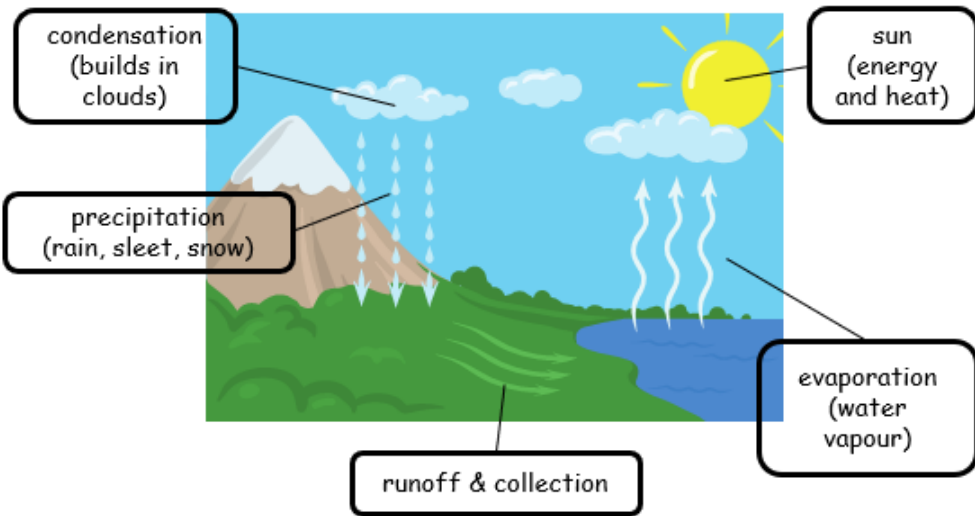
Knowledge Organiser
Unit: States of Matter

A 'mixture' is something that is physically joined together but can be separated again.

Mixtures can be separated in so many ways - such as evaporation, distillation, filtering and absorption.



The Water Cycle



- 1 • Can I compare and group solids, liquids and gases?
- 2 • Can I investigate the effect of temperature on changing state?
- 3 • Can I understand dissolving and diluting?
- 4 • Can I explore evaporation and condensation?
- 5 • Can I understand the water cycle?
- 6 • Can I describe freezing and melting?

Key Vocabulary

Key Word	Meaning
water cycle	The processes that water takes between the earth's oceans, land and atmosphere.
molecule	A group of atoms bonded together that can take part in a chemical reaction.
solute	Something which is dissolved in a solution.
solvent	The ability to dissolve other substances.
evaporation	The process of liquid turning to vapour.
water vapour	The form water takes when it evaporates into a gas in the air.
condensation	The conversion of a vapour or gas to a liquid, often collects as droplets on a cold surface.
distillation	The action of purifying a liquid by heating and cooling.

Dissolving	Diluting
<ul style="list-style-type: none"> The item being dissolved is the solute. The substance dissolving it is called the solvent. When the solvent can dissolve no more of the solute, it is called 'saturation' 	<ul style="list-style-type: none"> This process reduces the concentration of a solute in a solution. Takes place by adding more of the solvent to the solute. A good example of this is adding more water to orange squash.