

News and reminders

PE days:

Year 3: Wednesday

Year 4: Monday and Friday

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>



Last week we had a special assembly with bestselling author MG Leonard who gave us an insight to the inspiration for all her books. It was amazing to see her photos and videos of Egypt and hear about her visit to Tutankhamun's tomb.

Diary dates

- WC 10th February - Stem week (focusing on science, DT and computing)
- Friday 14th February - Break the rules day and children break up for half-term (3.15pm)
- Monday 24th February - School reopens
- Thursday 6th March - World Book Day

Literacy

We completed our own stories based around 'The incredible book eating boy' by Oliver Jeffers and have moved on to a non-fiction unit about skeletons. We explored the features of non-fiction texts and annotated these within some different information sheets then created our own glossaries for technical vocabulary within our text.



Music

We continue to work with Mrs. Wiseman from Buckinghamshire Music Trust and have been using the notes on xylophones and glockenspiels to follow along with short pieces of well-known tunes.

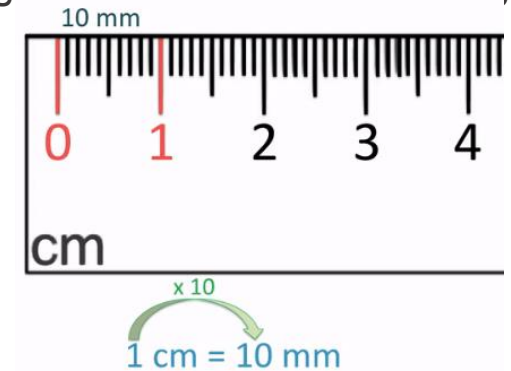


Science

We have been exploring 'Animals including humans', looking at bones and considering how voluntary and involuntary muscles work. We made models to demonstrate how biceps and triceps work in pairs.

Maths

We have recently been exploring measures: specifically using millimetres, centimetres and metres to measure length, width and height. The children are learning that they should divide and multiply by 10 to convert between mm and cm and divide and multiply by 100 to convert between cm and m. This can be a tricky concept to understand but we are practicing moving our digits to the left or right to make our numbers bigger or smaller.



Learning 4 Life

As part of children's mental health week we have been exploring how we can be good to ourselves and what strategies we can adopt when we are feeling worried or stressed. We did some mindfulness meditation and talked about the benefits of this to our well-being.

Spirituality

In assembly, our friend Graham from Southcourt Baptist Church came in to help us think about this half-term's Christian value: Love. We thought about the benefits of doing something for someone else and how this can have a profound impact. He encouraged us to think about this in our daily life and show love through our thoughts and actions.

R.E.

We have been exploring the big question, "Is scripture central to religion?" We have explored what scripture is, why some religions believe it to be important and have compared and identified similarities and differences found in different religions and worldviews.



Year 3 Art Day – This week we have been exploring Egyptian art and replicating shapes and patterns using a range of materials such as chalk, pastels and charcoal. We then made our own version of papyrus and drew on our final piece using our favoured materials.



Our learning

History

Year 4 have been learning about explorers this half term. We have been looking at modern explorers as well as explorers from the 'age of discovery'. As well as comparing and discussing the differences between exploration in the two periods of time. We have been designing newspaper reports on explorers on purple mash.

Computing

This term, we have been doing about spreadsheets. We have been developing formulas to input data the children choose. Now the children have a comfortable understanding of using formulas in spreadsheets, it is about increasing independence whilst using them.

RE

In RE we have been comparing different religious diets. As well as this, we have been looking in to the differences between charitable donations from different people's upbringings or written in religious texts.

Literacy

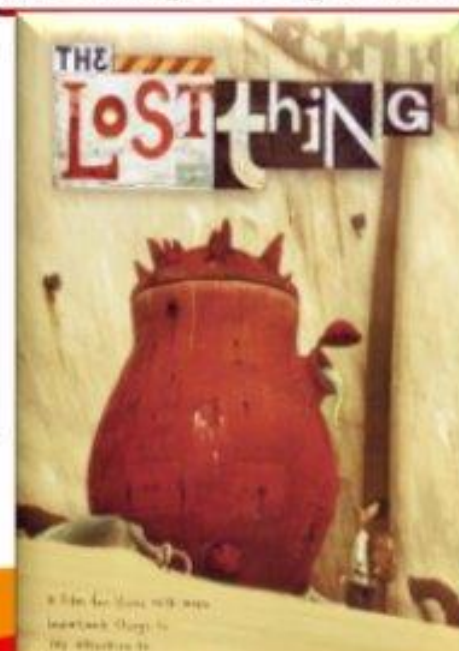
Over the last couple of weeks we have been focusing on a short story called the 'The lost thing'. This has links to our explorers history topic as a person finds a 'lost thing' on the beach and begins to use adjectives and similes to describe finding this 'thing'. We have begun to look at clauses in Year 4 to develop the complexity of our sentence structure. Although, we continue to identify handwriting as a big focus in our Literacy books.

Science

Over the past few weeks, the children have been learning about living things and their habitats. We have been looking at using classification keys to discuss and identify animals. We have also been looking at the human impact on environments for different animals and how this effects the animals.

Maths

In Maths we have been delving in to the world of adding and subtracting mixed and improper fractions. We have also been beginning to build techniques to simplify fractions. This has required a good understanding of times tables and division which has meant we have been continuing to regularly practice our times tables alongside.



Child	Score	Total	Percentage
Thomas	56	140	40.00%
Olivia	135	140	96.43%
Jack	140	140	100.00%
Oliver	138	140	98.57%
Emily	100	140	71.43%



Year 4 Science day

On Wednesday 22nd January we had Science Oxford come in to school to immerse the children in a practical sound experiment throughout the morning. Following the experiments in the morning, we had a fabulous show to watch in the afternoon. The children absolutely loved it!

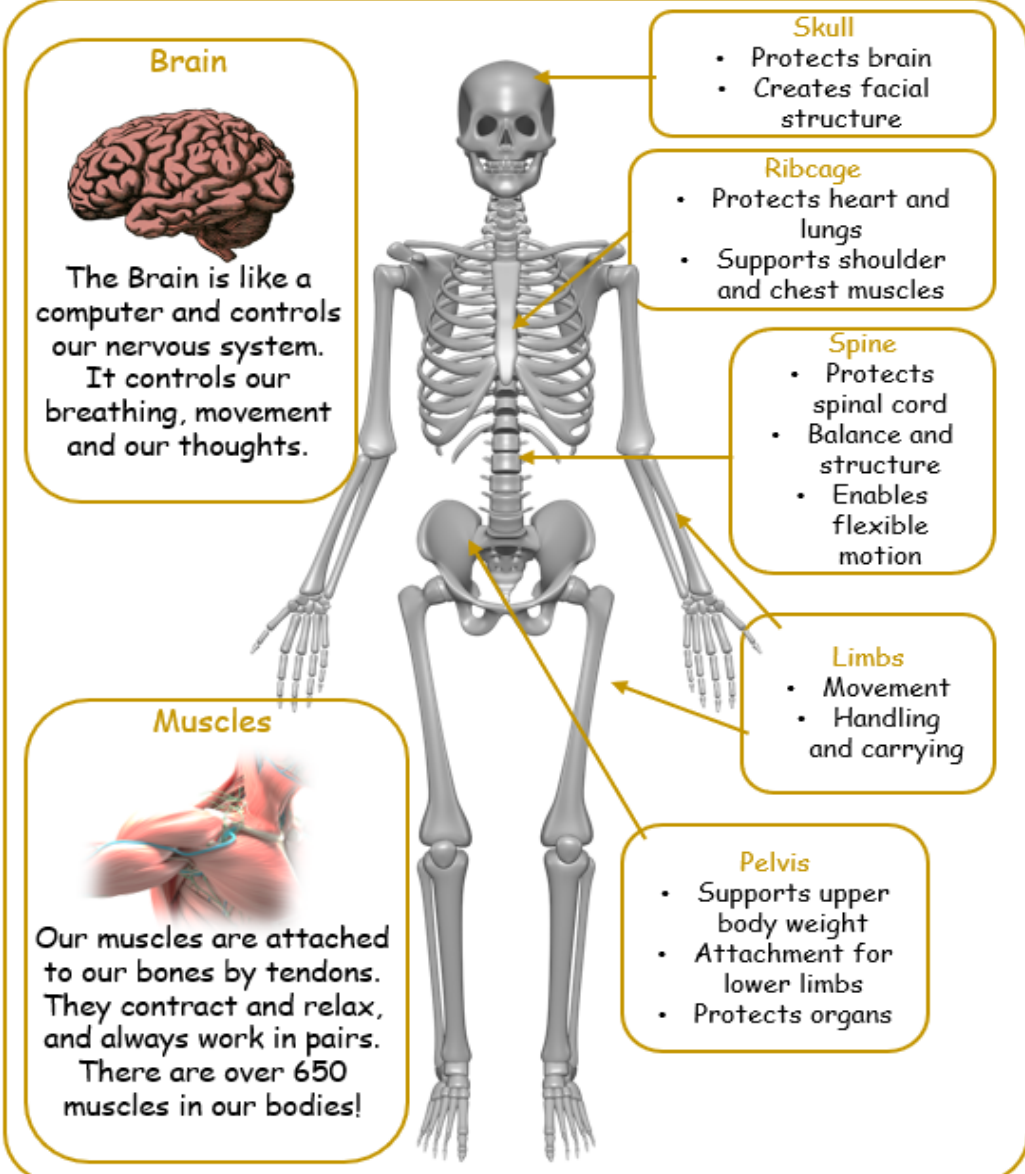


What are the different types of nutrients?

- Protein help your body to grow and repair itself examples include **red meat, yogurt, beans**
- Carbohydrates give you energy examples include **bread, potatoes, pasta**
- Fats give you energy examples include **nuts, oils, avocados**
- Vitamins keep your body healthy examples of foods high in vitamins include **oranges, carrots and nuts**
- Minerals keep your body healthy examples of foods high in vitamins include **milk, sweetcorn, spinach**
- Fibre helps you to digest the food that you have eaten examples of foods high in fibre include **wholegrain bread, cereals and lentils**
- Water helps to move **nutrients** in your body and get rid of waste that you don't need examples of foods high in water include **celery, cucumber, tomatoes**

- 1 • Is nutrition important?
- 2 • How can I keep healthy through diet?
- 3 • What are voluntary and involuntary muscles?
- 4 • What are the different parts of the skeleton?
- 5 • What are tendons and ligaments?
- 6 • How are skeletons and muscles used for support, protection and movement?

Knowledge Organiser
Unit: Animals, Including Humans



Key Vocabulary

Key Word	Meaning
skeleton	The set of bones on a human or animal, joined together to make our structure.
tendon	A tough, elastic tissue which connects the muscles and bones
involuntary muscles	Muscles not controlled by an individual's will.
voluntary muscles	Muscles whose actions are controlled by an individual's will

What are the different food types?

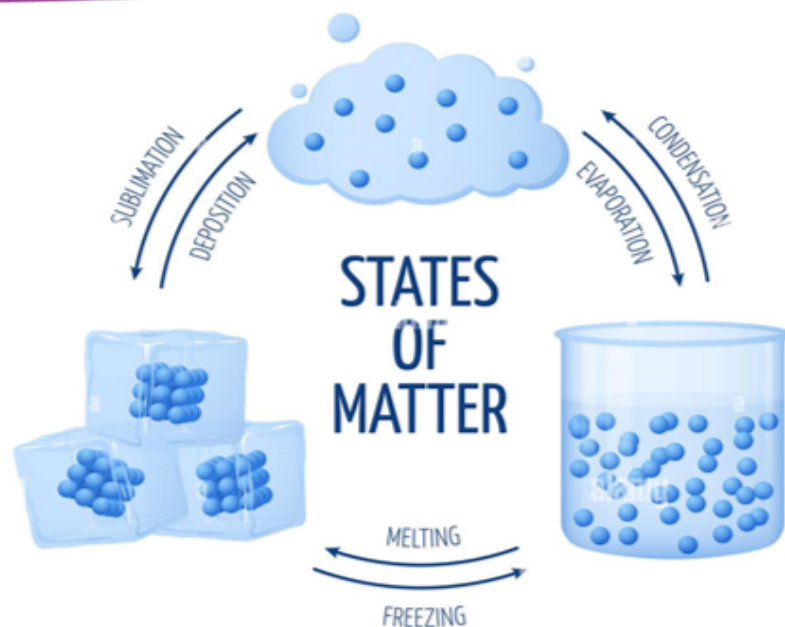
- Fruit and vegetables
- Bread, rice, potatoes, pasta and other **starchy** foods.
- Milk and dairy
- Oils and spreads
- Meat, fish, eggs, beans and other non-dairy sources of protein.



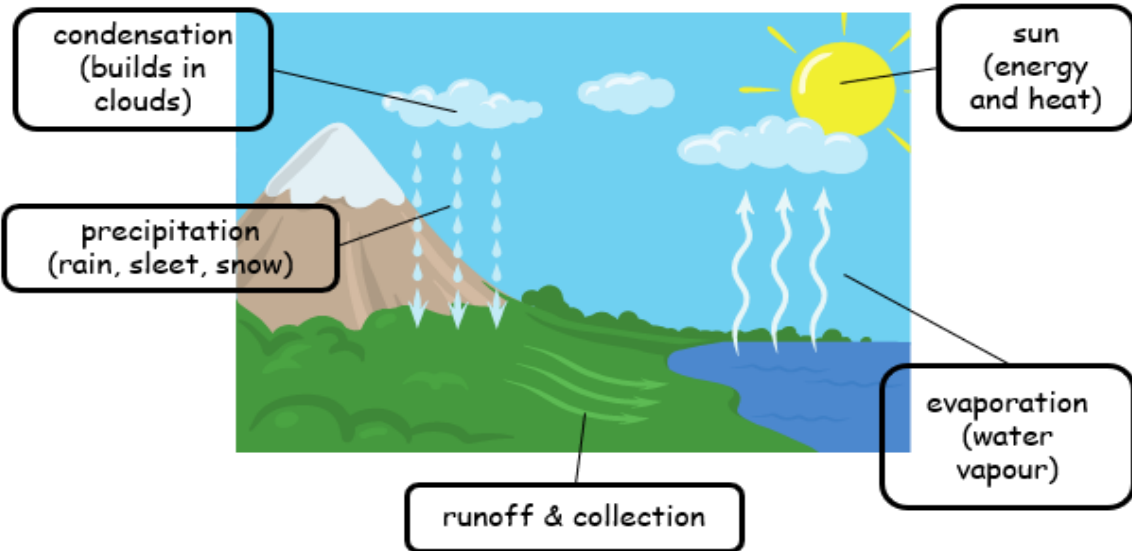
Knowledge Organiser
Unit: States of Matter

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



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

- 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'

Diluting

- 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.

- 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?