



News and reminders

PE days:

Year 5: Tuesday **Year 6:** 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.

Space Centre trip - Tuesday 10th October: Children need to be in school at 7:40am and we are due back at 4:30pm. Children will need to bring a packed lunch. A reminder parentmail will be sent out next week with all the details you need.

Superstar Learners in September

Well done to these children who have received a Christian Value certificate:

	Spruce	Sycamore	Whitebeam	Walnut
15 th September	Lyle - Responsibility		Whitebeam Class - Co-operation	Akshara - Responsibility
22 nd September	Stephen - Respect		Archie - Respect	Liam - Responsibility
29 th September	Harper - Growth Mindset		Harry - Growth Mindset	Owen - Growth mindset

Highest number of coins on Numbots	Highest number of coins on TTRS	Highest quizzing average
Nathan - Sycamore	Aryana - Walnut	Ollie - Spruce
Claris - Sycamore	Ayan - Walnut	Lacey - Walnut
Franek - Spruce	Libby - Sycamore	Joseph - Walnut

Diary dates

- **Friday 6th October:** Numbots and Times Table Rock Stars Day
- **Tuesday 10th October:** Space Centre trip
- **Friday 13th October:** SEN Coffee Morning
- **Friday 13th October:** FOBs Break the Rules Day
- **Wb 16th October:** Diversity Week
- **Friday 20th October:** Inset Day

Homework

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

The homework requirements in Year 5 and 6 are:

- 30 minutes across the week on TTRockstars (split into 20 minutes garage and 10 minutes studio)
- 30 minutes of maths arithmetic
- 30 minutes completing the SPaG task
- 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>

Look at what we have been up to over the past few weeks!

Author Visit - Clara Vulliamy

Last week, we were very excited when we had a real-life author and illustrator visit us! Clara introduced her new book, "The Dog Squad", told us about the characters and taught us how she drew one of the dogs in the book - Wafer. We had a go drawing our own characters and some of us even got a copy of her book signed!!



Reading Adventures

This week we had a visit Subject Revolution who delivered a reading adventure. We had a fantastic time using our reading skills to solve clues to open a chest and escape from Crow Castle.



Inclusion week

Our first week back in September was Inclusion week with a special focus on mental health. We had a speaker from Bucks Mental Health to come in and do a workshop with Year 6 where we played team games and spoke about resilience. We also had another speaker come in on the Friday to speak to the whole school about kindness. Some of the children made bookmarks for each other. We also did some reading around autism and lots of children volunteered to speak about their experiences of this. We celebrated all of our differences and wrote about what made us feel good and happy.

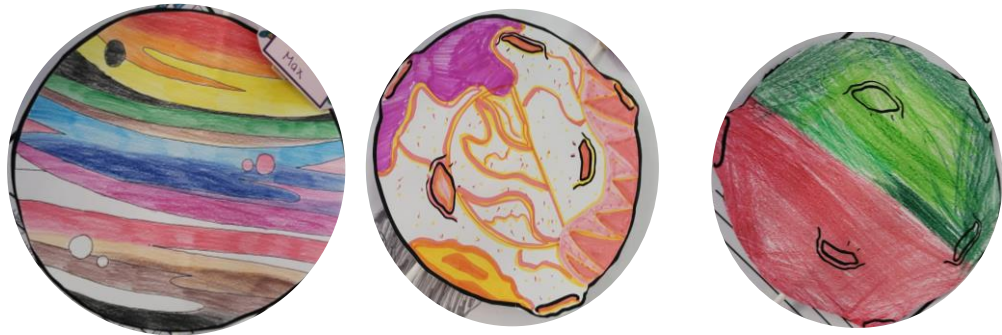


Literacy

Our learning has been focused on 'Gorilla' by Anthony Browne. We have practiced including a variety of literary techniques including repetition for effect and using personification to describe the characters walk in the dark. We have just finished our independent write on this text and have tried to use the skills we have learnt to create the appropriate mood in our writing.

Science

This half term, we are learning about planets and our solar system. We have learnt about the how planets orbit the sun but also rotate on their own axis. We create our own planets and acted out orbiting around an object and the rotation on their own axis. This week we have been looking at the different phases of the moon and why the shape of the moon that we see in the sky changes. For further information about what we will be learning throughout this unit, please see the knowledge organiser near the end of this newsletter.

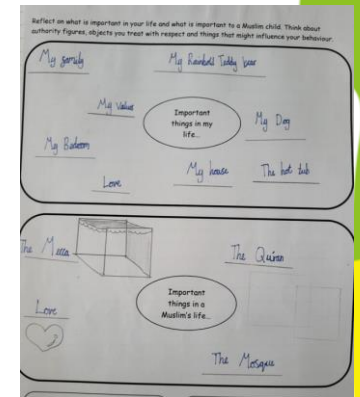


Maths

We have learnt about the place value of 5-digit numbers and have opportunities to compare and order them. We have been recapping formal written methods for addition and subtraction and using these to help to solve word problems. We will now be moving onto multiplication and division where our knowledge of our times tables will help us as we start to multiply larger numbers.

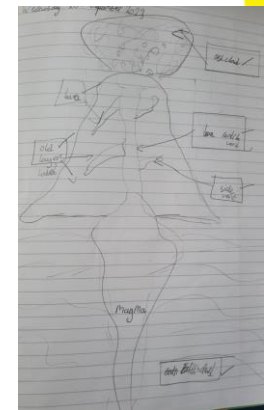
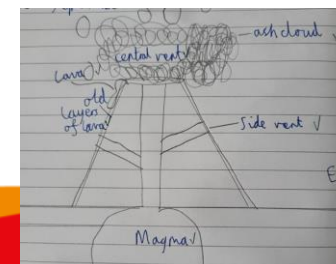
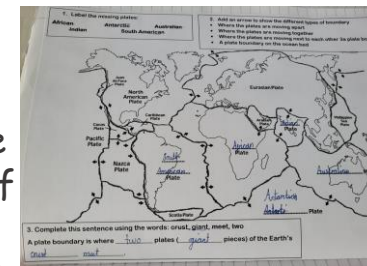
R.E.

Our question this half term is, "Do Muslims need the Qur'an?" We have been exploring this question by thinking about what is important to us and how the Qur'an is important to Muslims. We have also been discussing the lessons that the Qur'an teaches.



Humanities

We are loving learning about earthquakes and volcanoes. We have looked at the structure of the Earth and started to understand where earthquakes happen and where volcanoes are found and linked that to our knowledge of tectonic plates.

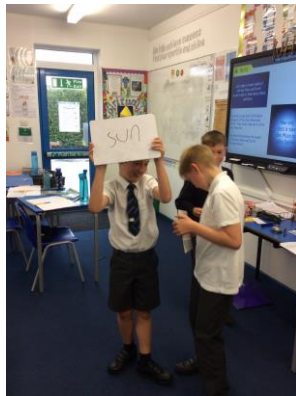
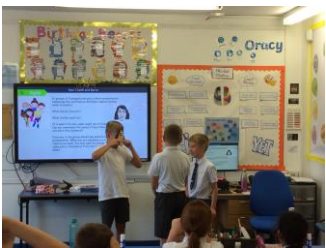


Literacy

Our learning has been focused on 'Gorilla' by Anthony Browne. We have practiced including a variety of literary techniques including repetition for effect and using personification to describe the characters walk in the dark. We also had a great discussion on whether animals should be kept in a zoo, we were able to use our oracy skills to support us with this. Next week we are moving on to plan and write our independent write. We will be using all the skills we learnt in our sentence stacking lessons to help us rewrite the story from the gorilla's point of view.

Science

We have started our topic of 'Earth and Space.' So far we have learnt about different scientific theories linked to what scientists use to believe about the universe. We have used drama to demonstrate the relationship between the sun, moon and earth. From this we discovered how we get day and night. We have also looked at different phases of the moon and are recording the different phases each night.



Spirituality

At the beginning of term we spent some time talking about and reflecting on what the word 'responsibility' meant to us. This is our Christian Value this term. We created some candles to show others what this word meant to us.



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Maths

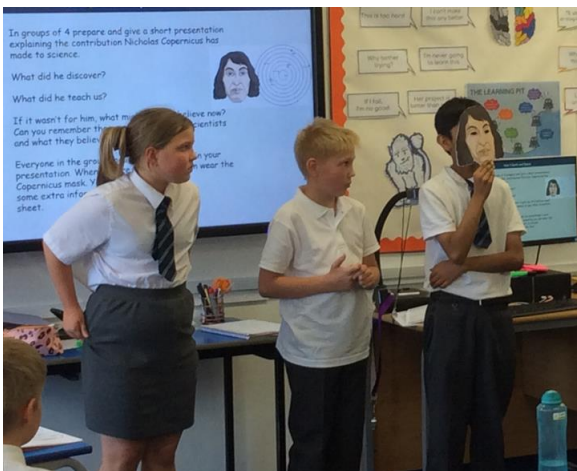
We began the term by re visiting place value. We spent a lot of time on rounding numbers to 1000, 10 000, 100 000 and a million! We learnt a rhyme to help us - Less than 4 just ignore, 5 or more add one more! We all feel much more confident at rounding 7 digit numbers now.

Last week we moved onto calculations. We began by using BIDMAS to solve calculations and will now be learning how to use formal written methods to add, multiply, subtract and divide.

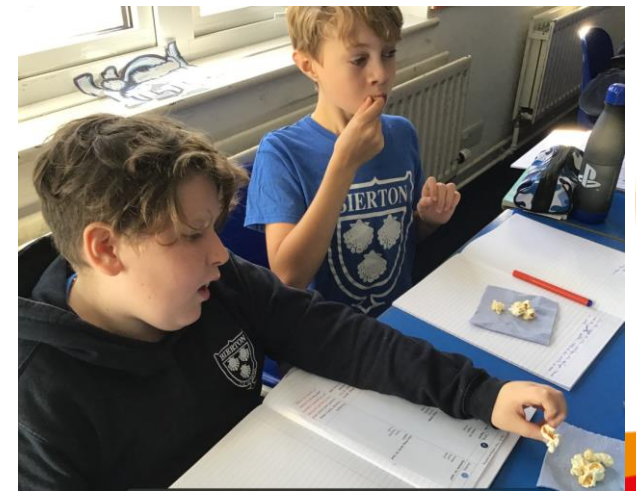
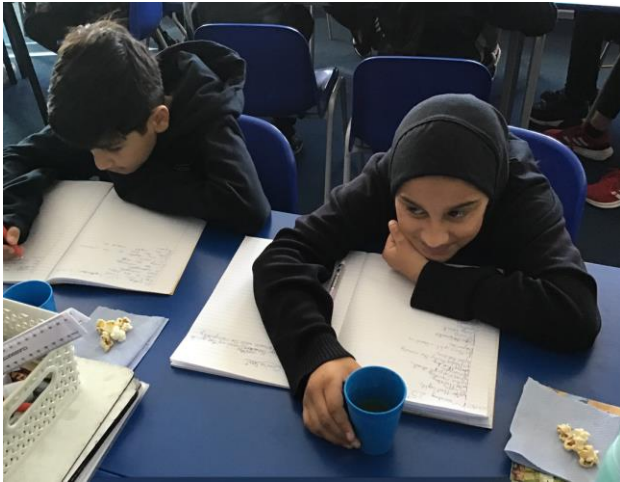
R.E.

Our question this half term is, "Do Muslims need the Qur'an?" We have been exploring this question by thinking about what is important to us and how the Qur'an is important to Muslims. We have also been discussing the lessons that the Qur'an teaches. Next week we are incredibly lucky to have someone from the local mosque to come in and talk to us all about the Islam religion.

Y6 Photos



Y6 Photos



Knowledge Organiser Unit: Earth and Space

Key Question 1
• Can I Describe the contribution Nicholas Copernicus made to science?

Key Question 2
• Can I define 'orbit' and 'axis' and explain what phenomena they cause?

Key Question 3
• How does gravity act as a force?

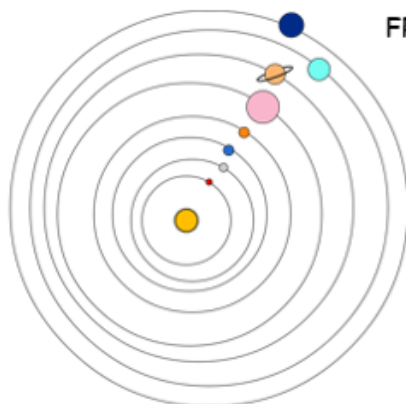
Key Question 4
• Can I name the different planets in the solar system?

Key Question 5
• Can I understand and explain theories about The Big Bang and the Universe?

Key Question 6
• Can I explain the cause of the changes of the Moon phase?

It takes the Earth 365.25 days to orbit the sun, which is why every four years we have a leap year of 366 days, to catch up with the orbit!

The Earth takes 24 hours to spin on its axis and complete one rotation, which is why our days are 24 hours long.



FROM THE SUN
OUTWARDS:

Mercury
Venus
Earth
Mars
Jupiter
Saturn
Uranus
Neptune

This diagram is a good, simple way to remember the order of the planets and also to understand **planetary motion** and the way the planets **orbit** the sun. **Copernicus** developed the **heliocentric** theory that the sun was at the centre of the **solar system**. However, the **ellipses-shaped orbit** was an idea that was discovered by Johannes Kepler in the 17th century.

gravitational force

We are constantly attracted to the Earth by its gravitational force. The reason the Moon doesn't fall to Earth because of gravity is because it constantly moves around us. Without the Earth's gravity, it would float away into space.

Key Vocabulary

Key Word	Meaning
heliocentric	The modern model of the solar system, which places the sun at the centre.
geocentric	The old solar system model, which thought the Earth was at the centre.
solar system	The name for the sun and all the planets, asteroids, meteors and comets that orbit it.
astronomy	The study of space, planets and the universe as a whole.
Big Bang Theory	The most widely accepted scientific theory of how the Universe was made.
gravitational force	The force that causes two particles to pull towards each other.
orbit	The path of one celestial object around another i.e. the Moon around the Earth.
hemisphere	On Earth, there are two of these - the North and South, separated by the equator.

Comets, asteroids, and meteors

Comets are chunks of ice and rock with tails that orbit a long way around the Sun.
Asteroids are chunks of rock and metal that orbit more closely to the Sun.
Meteors are fragments of Asteroids that fly into the Earth's atmosphere and catch fire, leaving a bright streak in the sky.

Knowledge organiser – Volcanoes and Earthquakes

What will we be learning?

- The structure of the Earth.
- Features of a volcano.
- Famous volcanoes and earthquakes.
- Effects of volcanoes and earthquakes.
- Preparing for an earthquake.
- What it's like living near a volcano.

Key facts

Famous volcanoes:

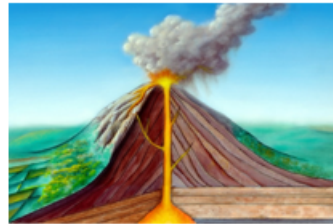
Soufrière (St Lucia, North America), Eyjafjallajökull (Iceland, Europe), Popocatepetl (Mexico, North America), Vesuvius (Italy, Europe), St Helens (USA, North America), Etna (Italy, Europe).

Key knowledge

The Earth is made up of layers. The top layer, the Earth's crust, consists of large slabs of rocks, called plates. The plates move as the hot mantle flows beneath them. The movement of the plates causes earthquakes and leads to volcanoes erupting.

Earthquakes are measured on the Richter scale, They can cause devastating damage to buildings, roads and land.

When volcanoes erupt they spew out lava. This is a very hot liquid that destroy anything in its path.



Place names	Geographical terms and processes	Locational terms
Great African Rift Valley	crater	epicentre
Haiti	disaster	plate boundary
Iceland	dormant	
Japan	eruption	
Mauna Loa	magma	
Pacific Ring of Fire	tsunami	

Glossary

dormant: a dormant volcano is a volcano, like Kilimanjaro, that has not erupted for a long time

epicentre: where an earthquake starts and is felt most strongly

tsunami: a huge, powerful wave caused by an earthquake