

# Year 6 Space Newsletter

Read all about it!

*The Sun is a star at the centre of the solar system. It is by far the most important source of energy of life on Earth. If the Sun wanted to travel to Earth however it would burn us it will also have to travel: 149,600,000km.*

*Here are some fun facts about the Sun!*

*Surface temperature: 5,778k*

*Mass: 1.989E30kg*

*Radius: 695,800,km (SRO)*

*Magnitude: -26.74*

*The moon orbits the galactic centre. Abby.*

During space week we had a visit from a 'Space Specialist' who shared with us all his knowledge of our intriguing solar system. We were extremely inspired by his visit and therefore we started our own learning challenge. In groups we each researched the answer to a learning challenge question and then produced a powerpoint, visual representation and a short piece of writing. To share our knowledge. Our newsletter this half term gives you a mass a wonderful facts and information detailing our amazing solar system.



## The Moon...

*Did you know the distance from Earth to the moon would actually be 384,400km. WOW!!! As you should the Earth and its orbital period is 27 days. The temperature is 123-223 degrees Celsius. The mass is estimated to be 73,476,924,573,500million kg and that is what it is estimated to be! Despite the circumference being 10,917km. Did you know that the moons gravity is 1.527 billion years. Yet do you know how old the moon is? Answer.....  
The moon is 4.527 years old! Lilly.*

Did you know that if the sun was to turn off, within a week the earth would reach a shocking zero degrees f. Also the sun is getting hotter and hotter each day and that means if it keeps getting hotter then in 1 billion years there will be no water left and no living things of Earth such as plants and humans. The sun is made up of 72% hydrogen and 26% helium and other trace. The suns distance between the sun and the Earth is 149,600,000 km. its mass is 1.989E30kg. As well as the suns radius is a shocking 695,800 km . Harriett

## Crazy facts on Saturn!

Saturn is an amazing planet therefore there are billions of fastenating facts. One day on Saturn is 29,447498 Earth years; 18,755.70 days. Surprisingly, Saturn has only 23 rings around it! Every planet has moons furthermore this one has 63. The more further away a planet is from the sun, the more hotter it is. The distance from Saturn to the sun is 1,426,666,422km.

Rossi

## JUPITER

AMAZINGLY, JUPITER IS 11.2 TIMES BIGGER THAN OUR ENTIRE EARTH, IN ADDITION IT IS THE FIFTH PLANET IN OUR SOLAR SYSTEM. JUPITER IS MADE UP OF THE SAME COMPONENTS AS THE STARS, HOWEVER IT IS STILL CLASSED A PLANET.

IT SLOWLY TURNS ON ITS AXIS EVERY 9 HOURS AND 55 MINUTES. THE TEMPERATURE IS - 180 DEGREES CELCIUS, CONSEQUENTLY NO ONE CAN GO THERE AND VISIT! THIS COLOSSAL, FREEZING PLANET ORBITS THE SUN ONCE EVERY 11.8 YEARS. JOKUDU.

## EARTH

**EARTH IS THE 3<sup>RD</sup> SMALLEST PLANET IN THE SOLAR SYSTEM IT IS IN FACT COVERED WITH 2/3 OF WATER. AN EVEN BETTER FACT IS THAT IT TAKES ONE WHOLE YEAR TO ORBIT AROUND THE SUN. HOWEVER THE RADIUS IS 6,371 KM. EARTH HAS A CORE THAT IS MADE OF LAVA AND MELTED ROCKS. THIS IS THE LIQUID THAT OOZES OUT OF THE TOP OF VOLCANO. THIS IS HIGHLY DANGEROUS! TYLER.**

## **DO ALIENS REALLY EXIST ? Morgan**

**THERE HAVE BEEN MANY SIGNIFICANT DISCOVERIES ABOUT ALIENS AND MANY ARGUMENTS ABOUT IF THEY ARE REALLY REAL. IN NOVEMBER 9<sup>TH</sup>, 1979 ROBERT TAYLOR ENCOUNTERED A FLYING SPHERICAL OBJECT IN SCOTLAND, SO HE DECIDED TO WAIT TO SEE IF THERE WERE ANY MORE SCIENTISTS WHO HAVE DISCOVERED SUCH A PECULIER SIGHT.**

**LATER ON THERE WAS AN ASTRONAUT WHO WENT TO SPACE TO DISCOVER IF THERE WERE REAL AND THEY FOUND ALIENS ON THE MOON!**

**NOWADAYS, THEY SEND ROBOTS ON TO OTHER PLANETS IF THERE ARE REALLY ALIENS ON OTHER PLANETS!**

**What do you think...?**

### **ALIENS DO THEY REALLY EXIST?**

**Kayleigh T**

**YES**

**YOU'RE PROBABLY WONDERING WHAT THEY LOOK LIKE.**

**THEY ARE NO BIGGER THAN AN AVERAGE SIZED 11 YEAR OLD CHILD. THEY ARE SKELETAL CREATURES WITH SOME HUMAN FEATURES LIKE EYES MOUTH AND NOSE BUT THE NOSE IS JUST TWO HOLES IN THEIR FACE. THEY HAVE NO HAIR ANYWHERE ON THEIR BODY. ALIENS ARE ALL DIFFERENT COLOURS. BUT SAY AN ALIEN WAS RED IT WOULD BE RED ALL OVER. THE CREATURE THAT WE CALL ALIENS, HAVE SCALY SKIN.**

Aliens come from other planets. Some people suggest that if you want to see a alien you have to all the way to space! However they have been spotted on Earth in India! Scientists have found dead bodies and have been examining them to find out more! Chloe .



## **Mix of Amazing Facts about Saturn! Alicia T**

**Believe it or not this planet orbits the sun the same as Earth. Saturn has a colossal amount of moons (that amount to 63!) This planet has 23 rings made up of a variety of different elements! Saturn is the sixth planet from the sun! Surprisingly, Saturn is 9.537 times larger Earth! That is crazy!**

**This planet is a gas planet that means no solid parts at all!**

### **What is the lifecycle of a star? Annabelle**

Throughout billions of light years a small star call Nebulae is created. Millions of years later that small star has increased in size and then in another million years has developed an iron core. Eventually, the iron core collapses in a split second consequently causing an explosion called Supernova. This then remains for 10 billion years. Next another shell is formed, replacing the other layer, creating a force hot enough to form carbon. Which then expands becoming the Red Giant. Then, the helium core runs out transforming to a White Dwarf. Finally as the star dies it's called Black Dwarf, sadly.

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Ellie

Stars can live for millions and millions of years. Billions of stars create the Milky Way. The Milky Way is a vast area in space full of trillions of stars glowing in space. Each star starts off as Nebulae and dies as a Black Dwarf. Every time a star dies a new star is born soon. Stars come clear at night because clouds cover the star therefore that is why you can't see stars in the daylight. However you might see the stars if there are no clouds. Sanaria

**The Andromeda is a galaxy that is also known as M31 (Messier 31). It is located 2,538,000 light-years away from earth! Andromeda is known as the spiral galaxy because of its appearance. Think your nana is old? This galaxy is nine billion years old! It has a trillion stars: over double the amount the Milky Way has. If you want to see it, it is spottable by the naked eye! Alicia J**

The Milky Way is over 13.2 billion years old. It is also known as a spiral galaxy. The Milky Way has 200-400 billion stars! The sun is one of the stars in the Milky Way for our Solar System is inside the Milky Way Galaxy. The diameter is roughly 100,000-120,000 light years (possibly 150,000-180,000 light years). Our Solar System is place within the outer regions of the Milky Way. Although we are in the Milky we are still 26,000 light years away from the Galactic centre. Its approximately 1, 892, 767, 660, 000, 000 km. As a result it will take, roughly, 3000 years to count all the stars in the Milky Way. Did you know it take 230 years for the sun to orbit the Milky Way Galaxy! Tara

Have you ever wondered what the whirlpool galaxy is? It's a spiral galaxy 25million light years away from the milkyway. The whirlpool galaxy consists of 160 suns scattered across 75,000 light years. Whereas the Andromeda galaxy has a trillion stars and is notable with a naked eye, the whirlpool galaxy has 100billion stars and is not spottable with a naked eye accept if up close.

By Hannah

One of the galaxies closest to the Milkyway is called the Canis Major Dwarf Galaxy. This is one of closest galaxies to the milkyway: it is approximately 42,000 light years from the centre of the Milky way. This galaxy is a small irregular galaxy with the mass of a billion solar masses, however our closest neighbours are lying approximately 25,000 light years from the sun. Amazingly, a light year is equivalent to 9 trillion kilometres.

Rachel

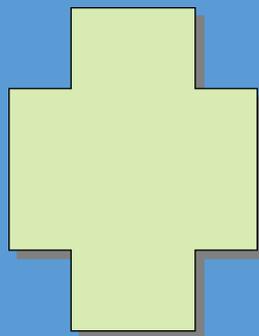
Did you know that mars is 142 miles away from Earth it would take over 1 week to get to. Also anyone who goes there would never come back because the rocket used to transport the passengers would not have enough fuel to get back .

Some people who want to go to Mars because it's a one in a life time opportunity.

Aaron

There have been questions for many years, is there life on Mars? Scientists made a Mars base called 'MARPOST' which is a Russian research base, to see if there is life on Mars . The station is a big place it looks like this from a bird's eye view.

Daniel.



Nasa are sending people to mars to live on there but they will not be able to come back because there will no fuel left so when you get there there is no coming back. NaSa sent a robot to mars so they know what there is and there is water lots. So there will be a enough water. Jack.

# Are UFO'S fact or fake?

There have been many debates over many years, some people believe it's a plane from area 51 to cover up something bigger than alien life. Whereas some people believe it could be the start of something new. If you say fact you're correct, if you say fake your also correct. U.F.O's are real it has been proven, U.F.O's have been to fast over the years to build one. But after a bit of re-search they have found how to make one. Callum.

A picture is about 35 pcent photo shopped than a video. Some people believe aliens are real others don't believe it. You could take two pictures and put them together or draw them and colour the picture to look believable. Area 51 are getting rid of the videos there hiding something . what do you think?

Ben

**Luke Fortune has compiled a six-volume book set containing 3400 pages of "proof that man has had the ability to build UFO craft, in replicable form, over the last 100 years."**

**A certified paralegal, Fortune began investigating the UFO phenomenon in approximately 1997. After having a clear viewing of a plasma propulsion craft, he began researching the archives of the US patent office, and of other countries patent offices, to try and locate UFO technology.**

**His searches over the next ten years led to the accumulation of all the data, and more, that would become the UFO How-To series. Each book in this six volume series is over 500 pages in length, 99% of the content are complete patents, with a recent addition of a primer volume at 118 pages, "The Basics," designed to simplify the understanding of the encyclopedic series, and make the science of UFO propulsion systems comprehensible to the average person.** Marcus .

Mars is a big red planet that is over 24 hours in a day and a year is 39 minutes longer than earth this is because it is further away from the sun and has further to travel in the solar system. Speaking of the solar system the biggest mountain is on mars!

Rachael

Did you know that Mars was aspirin tablet and Earth was a nickel then the sun would be a front door. Scientists are searching this giant planet. Mars has seasons are much longer than Earth too. And Mars is so much farther from the sun. Kayleigh.

Mars is an extraordinary planet that is right at the side of earth. This planet is red and has 2 moons named Phobos and Deimos. Mars orbits the sun (a huge star). Mars is the 4<sup>th</sup> planet from the sun at a distance of 228 million km. Mars has 60<sup>th</sup> south and north polar ice caps.

Annie

Over many years the debate of whether or not aliens are real or not. When they are sighted they do seem such peculiar things! Although many strange things have been recorded, such as crop circles, they are not necessarily aliens. When more than one is sighted they have been known to make a triangular shape. Another strange thing is that they can be all different shapes! William.

Aliens have been found on the surface of the moon by astronauts. Scientists send up robots to find alien faeces so they can find out more about alien bodies and lives. As well as exploring the moon, they explore other planets. Aliens are known to have a scaly body with huge wide eyes. Demi.

Thank you for reading our science newsletter.

Don't forget to have a look at our class blog to see what we have been up to recently.

<http://blog.st-peters-farnworth.bolton.sch.uk/year4201415>