



# Sandfield Scene



# Science Space Special

November 2015



## Space Week

This November has been scientific at Sandfield Close Primary School, Rushey Mead. Children and teachers have been learning about Space in lots of interesting and unusual ways. Miss Eames, Sandfield's Science Leader, was very excited that Sandfield had devoted a whole week to the theme of Space.

"With Tim Peake going into Space in December it is imperative that everyone knows about who he is and how exciting this is for science."



## Space Competition

**Make or create Space themed competition.** Can you make a planet? Astronaut? Write a story or poem. As long as it is to do with space we want to see, hear or read it.

Use your imagination.

Please your creation to Miss Eames by Friday December 11<sup>th</sup> 2015. The winner will be allowed to choose an experiment of their choice to do with their class. What would you choose to do? Entries will be displayed in the new mobile.

2015 SCPS Space Week Special

## Tim Tweets Sandfield Close Primary School



**Sandfield Close Primary School uses twitter and their school website to inform others about the learning that takes place at their school. This week they were delighted that Tim Peake, the British astronaut, replied to two of their tweets.**

Sandfield Close usually holds their Science Week in March to coincide with National Science and Engineering Week but it was felt that children should become curious about Space before the astronaut is rocketed above us on 15<sup>th</sup> December.

It is hoped that this interest will be maintained as the spaceman orbits the earth every 90 minutes in the International Space Station for the next 6 months.

The school's website has recently been changed and now contains blogs about what the

children are doing in their lessons and lunchtimes. Anjalee and Lyssia, both from 3KH said, "we think it's amazing to have a tweet from Tim Peake!" Everyone else seems to agree!

This photograph is from ESA and shows Tim Peake next to a statue of Isaac Newton. Tim Peake's mission is called Principia, after a book on mathematics written by Isaac Newton. Isaac Newton also described gravity and realised there was infrared and ultraviolet light.

**Sandfield Close** @SandfieldClose Nov 16  
5 year old astronauts exploring space.  
[@spacecentre](#) [@astro\\_timpeake](#)  
[@theASE](#) [@PsqmTurner](#)  
[@Paxi\\_ESAKids](#)



**Sandfield Close Retweeted**  
**Tim Peake** @astro\_timpeake Nov 16  
[@SandfieldClose](#) [@spacecentre](#) [@theASE](#) [@PsqmTurner](#)  
[@Paxi\\_ESAKids](#) love the suits!

Check out Sandfield's website and send us a comment!



Front Page

## Planet Pictures



Creating a picture of the Sun using crayons and pencils.

**On Wednesday 18<sup>th</sup> November, children in year 1 and 2 played a game of Odd One Out, but this was a different game involving space items.**

All the children came up with strange, sensible and wacky ideas during the game of Odd One Out, even the teachers joined in. The children were also given health and safety advice and told NEVER to look at the sun. After this they made up three questions about space with their friends. Next they were shown a short, informative video about the planets and the Earth's moon.

Finally, all the children had a go at drawing. The planets were beautiful. When asked the children knew the name of the planet they were drawing.

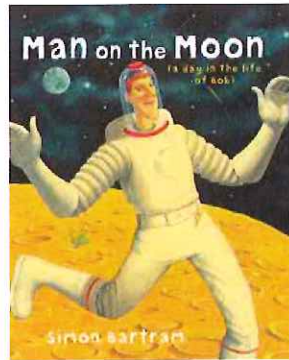
Two children asked, "are there aliens in space? How many planets are there? And how many stars are there?"

Sandfield children hope that they have more weeks and days like this.

Space isn't remote at all. It's only an hour's drive away, if your car could go straight upwards.

Sir Fred Hoyle, astronomer

## Man on the Moon



**Book Review by our Space Reporters**

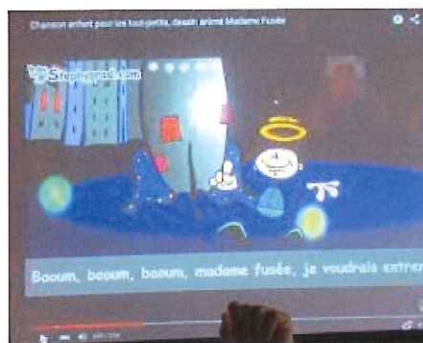
**We really like this book. This book is about Bob,** a normal man except he works on the moon. We would recommend this book for 4 year olds and over.

Out of 5 stars we would give it

★★★★★



## BONNES MANIÈRES



**At Sandfield Close Primary School children are taught French once a week with Madame Delesse.**

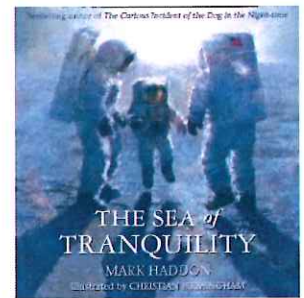
This week, as it was space week, Madame Delesse taught the children a song about Space, which was about Rockets and good manners. The French song

got the children out of their seats, singing and dancing, as a result of this the children really enjoyed learning the song.

### Joke Time

Why did the sun go to school?  
To get brighter!

## The sea of tranquility



This is a heart-warming story that informs the reader about a boy who loved Space. This boy is up every night looking at the moon. The boy imagines walking with astronauts. But as he grows up, his thoughts change.

This book deserves to be a bestseller. It is written by Mark Haddon and the pictures are beautifully drawn by Christian Birmingham. I would recommend this book for children aged 5 and above.

# IT'S OUT OF THIS WORLD



Sandfield's year 1 and 2 children read all about a fictional astronaut called BOB!

With crayons the children drew a picture about space. They then painted over the wax with paint. The wax pictures then had an amazing background.



Children in the Reception classes at Sandfield have been enjoying a week of Space. Their teachers turned one of their rooms into a space rocket and the children became astronauts.

Reading books about space have been used to help children learn the facts and stories about Space.

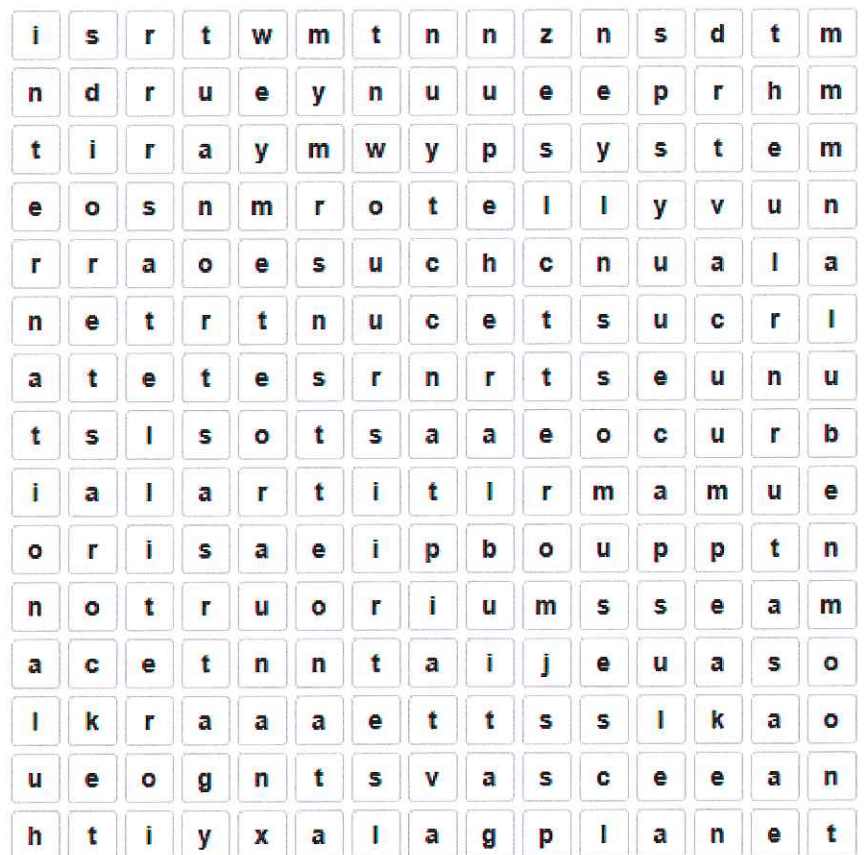
# Space Supplies



Children in year 1 and 2 at Sandfield Close loved reading 'Whatever Next'. The children told their teacher what they would take if they were to go to the moon.

Someone wanted to take their brother for company, another an ipad to watch A movie. Krish, from 2AB, said, "we have learnt about what food to take into space." Everyone enjoyed writing their own lists

## Sandfield's Space Word search



Which word can you NOT find in the word search?

Satellite star Mercury galaxy Solar System star planet comet Mars orbit asteroids vacuum Earth moon Venus Saturn Neptune Uranus Jupiter nebula Tim Peake International Space Station rocket Soyuz meteor launch NASA ESA capsule astronaut

# Could you fit the Solar System in your pocket?



Years 3 and 4 at Sandfield Close Primary School were treated to a lesson about the Solar System from Miss Henshaw.

Miss Henshaw gave the children a long length of paper, they were asked to draw the planets on the strip in order and guess the distances they were from the Sun.

Next, Miss Henshaw explained that the paper could be folded to place the planets in the right order and the right distances. This paper could be folded and placed in their pockets. Jaya and everyone else's favourite part was drawing the planets. They were amazed that most of the planets seemed a lot nearer the sun than they originally thought.



## Planet Pandemonium

Year 5 and 6 at Sandfield Close were given the challenge to try and recreate the solar system

# Is it a solid, liquid or gas?

This week at Sandfield Close, Miss Smith, a teacher, taught the children about solids, liquids and gases.

The children played a game to help them understand what was happening to the molecules when they were a solid, liquid or gas. Yashvi, year 1, said it helped me learn about solids and gases, it was enjoyable.

## Deep Space Discovery



One of the strands of working scientifically is using different sources of information to research. Miss Kang decided to use the ipads with year 3 and 4 to research the planets.

The children, in groups, then gave a presentation of that they had found out. Sara, aged 8, explained, "I like writing about space because it is really interesting." Tia, also a student from 3DK told us that writing about space was fun. Ayaran, from Sandfield Close, wanted to talk about his favourite planet Neptune, a very cold planet.



using balls and a roll of toilet paper.

Miss Mistry, their class teacher, wanted them to realise that the planets were not all the same size despite all being spherical. The children had to work out the distances they are apart.



## Think before you Drink

Astronauts have to eat a special diet in Space and do lots of exercise to help their muscles stay strong. <http://www.nationalstemcentre.org.uk/dl/0d420bae00e6863fc8ef349792558e517afba5/41345->

## Mission X Train like an Astronaut!



Children have been learning about the qualities that astronauts need;

- Strength
- Balance
- Speed and Agility
- Accuracy
- Hand/ eye co-ordination

Sandfield's brilliant PE teacher,, Mr West, stated that the best thing about the train like an astronaut activities is that it makes the children think about their lifestyles. He hopes it means that the children make healthier choices in the future. However, what really annoys him is that we will never get the chance to be an astronaut and know what it feels like to be in Space.



# Rocket Science?



## Facts about Tim Peake

Born in Chichester, used to be in the army. He will go into space on December 15<sup>th</sup>.

He is currently in Russia.

Helen Sharman, a British Astronaut, has also been into space in 1991.

Want to know more? Go here to find out how he will sleep and go to the toilet.

<https://www.youtube.com/watch?v=XkM>

## Singalong to learn about the Planets.

This week, Mr Taylor was making and launching rockets with year 3 and 4.

Children had to make their rockets and then use the force of air to get them off the ground.

First they made the rocket body, then the fins. Sophie, 3KH, said she had learnt that without fins rockets fly wonky.



Year 3 and 4 children at Sandfield made models of the planets, these were later included in their song.

## THE ROYAL MICROSCOPICAL

Sandfield was extremely pleased that this term they were able to borrow the microscopes from The Royal Microscopical Society. Children looked at rocks and soil that could have come from 'Mars'. "It is important that children realise that just because they can't see it, doesn't mean it is not there,"

explained Miss Eames, Sandfield's Science Leader. "It will be a shame when the microscopes have to go back, but it great that we have borrowed and used them."



## Nebula Art

Painting watercolours of nebulas in year 5 and 6 at Sandfield Close was an extremely popular lesson during Space Week.

Miss Lakha explained that a nebula is a huge cloud of dust and helium and hydrogen gases - the start or ending of a star. The word comes from the Latin meaning cloud. They look beautiful so the children painted their own. Everyone was pleased with their results.



The song included facts about the planets, weather conditions and the order of the planets. Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

Some of the facts explained how Neptune spins on its side and that Venus is the hottest planet in our solar system.

Children drew pictures after researching the planets on the internet.

# Celestial Constellations

Year 5 and 6 at Sandfield Close learnt all about the stars and constellations with Miss Rana.

Children then made 'telescopes' from black card with a constellation of their own choice. Children learnt about how the stars can be organised into shapes and patterns based on the day they were born. Sathur, year5, enjoyed the drawing part of the lesson. Everyone enjoyed making the holes for their constellation.

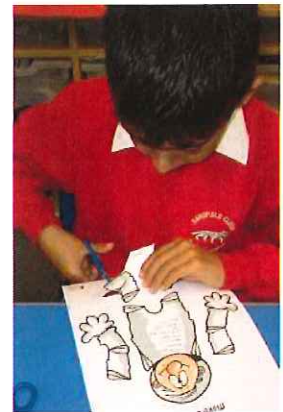
It was interesting to find out that some stars are millions of light years away from Earth.



To finish off the lesson children learnt a song about the constellations.



# Questions, do you know the answer?



A couple of Sandfield's newspaper reporters helped year 3 learn about Tim Peake and his adventure.

The children then made an astronaut and thought of their own questions about space.

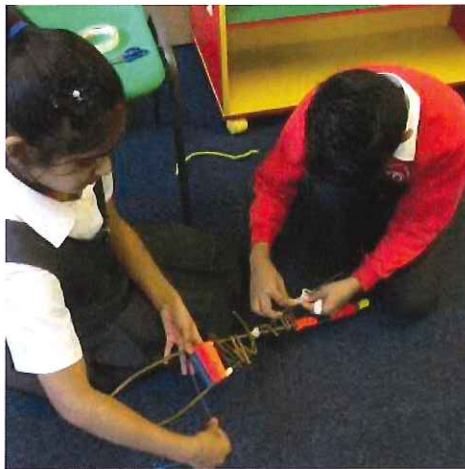
## OTHER SCIENCE NEWS ...

### Recording Science - Which way?

What ways do you like to record science?

- Write a poem
- Write a song
- An interview/ report
- A piece of drama
- A drawing
- An annotated sketch
- A piece of writing
- A text message
- A table or graph of results
- A video/ tv report
- Comic strip
- Game
- Make a chatterbox
- Poster / flyer

Are there any other ways? Please tell Miss Eames if you can think of any. Which is your favourite way of recording?



### WILLOW WEAVING

The Wildlife Trust have been helping Sandfield Close with their Nature Area. The area has been cleared and replanted with a path and arch.

The willow that grows around the area was harvested by Martha and Marilyn from the Wildlife Trust and the children from Eco Club were able to make sculptures by weaving the wood into different shapes- hearts, circles and even a dragonfly. These were then decorated with ribbons and wool.

### Roots and Shoots News

Sandfield Close is proud to have over 120 children in their Eco Club. Some children are in the Fairtrade or Roots and Shoots group. This term they have entered a competition to create a postcard to send to Paris, for the international meeting about global warming.

This term they have been looking at the destruction of the rainforests to plant trees that produce palm oil. The children are collecting wrappers of foods that use palm oil.

These will be turned into a display to educate people about the uses of palm oil and the consequences of its production.

# Other Science News . . .



## Leicester's Lord Mayor comes to Sandfield

On Monday 16<sup>th</sup> November , the Lord Mayor of Leicester, Mr Ted Cassidy MBE came to Sandfield to open the revamped Nature Area.



Children at Sandfield Close greeted the Mayor and showed him the Nature area before the grand opening. After the Nature Area was officially opened they then took the mayor on a more thorough walk of the area.

Sandfield had also invited some guests from City Catering – Anne Merrick and Jane Foulkes, Lisa Didier from Food for Life, Lee Jowett from Leicester City Council, Julie and Jody from the school kitchen, Martha and Marilyn from the Wildlife Trust and Mrs Sutton and Mrs Dhillon from Sandfield as well as Miss Eames, Sandfield's Science and Eco leader.



Sandfield is proud to say they have their silver Eco Schools Award.

## HEY! WHAT'S COOKING?

This year at Sandfield Close Primary School, Jody and the kitchen crew have been cooking with some lucky children.

This time the year 3 and 4 children were making vegetable soup! It was a very healthy soup made up of; onions, potatoes, cauliflower, broccoli, carrots and swede.

The children had to peel and chop the seasonal vegetables and put them into a large pot.

Anjalee, from 3KH, said, "I enjoy chopping vegetables and learning about the different types of vegetables."

The kitchen crew then washed them clean, put them in water, added some stock and pepper and finally cooked them until soft. They were then liquidised.

Julie, the assistant school cook said, " you can use any vegetables you want."

The soup was then served to parents and teachers at the parent/teacher meetings this week.

## GROW YOUR GRUB

On Tuesdays Eco Club's Grow your Grub Group meet. However, this week was a special meeting.

Children got their hands dirty, in fact they went pink, as they had the chance to make beetroot and strawberry jam.

The children picked the beetroot from their allotment area, washed and grated it. The jam was eaten and enjoyed with scones by everyone at the Lord Mayor's visit.



**Headteacher of Sandfield Close Primary School, Mrs Dhillon, was interviewed about her thoughts on science and space week at the school.**

Mrs Dhillon stated that Space was a fascinating topic. All the children were very excited this week and they were having a great time in their lessons. "When we think about space, there are always more questions than answers," she added. Mrs Dhillon told our reporter that science week was important because it was a great opportunity for the children and teachers to get involved in exciting science that maintained their curiosity. She continued, "I was delighted when Tim Peake replied to our twitter message and said that he liked the photos of the reception children in their space suits."

## WANT A CAREER to do with SPACE?

There are lots of jobs linked to space, not just being an astronaut. Although if you dream and work hard enough . . . who knows what might happen. Other jobs linked to space include;

- Astronomer,
- Astrophysicists,
- Biologist,
- Chemist,
- Geologist,
- Medical doctor,
- Meteorologist,
- Physicists ,
- Aerospace engineer,
- Computer engineer,
- Materials engineer,
- Mechanical engineers,
- Robotics engineer, and
- Spacecraft engineer.

Mrs Dhillon continued, "learning about planets in the Solar System is important to help us understand more about Space. In the future astronauts may be able to travel to other planets. I know that scientists are already working on plans to travel to Mars." Who knows some children from Sandfield close may be involved with it.



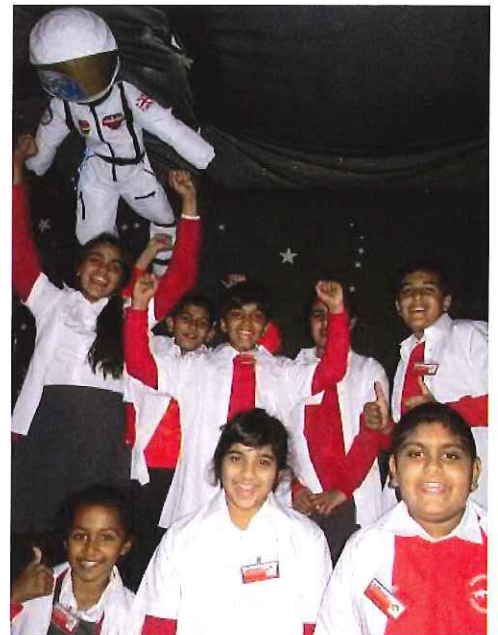
Find our more about Tim Peake in this magazine  
<http://www.nationalstemcentre.org.uk/dl/0d420bae00e6863fc8ef349792558e5517afb1a5/41345-SpaceUK%20November%202015%20Special%20edition.pdf>

## Logos

Have you noticed these logos around Sandfield? In Sandfield's newsletters? On our displays? Look carefully for them. Do you know what they mean?



# Sandfield's Science Reporters and Photographers



## Sandfield's Journalists.

**Ajay, Aijay, Amar, Kumail, Pooja, Sarina, Shivani, Sienna and were Sandfield's Year 5 and 6 Science Reporters and photographers.**

As journalists they collected information, interviewed children and adults in school, wrote the articles and organised this special newspaper as evidence of Sandfield's Space Week. They gave up some of their own time to do this. We hope you enjoy reading their newspaper. Thank you.

Please note all photos are taken by Sandfield Close except the Tim Peake photos on the front page – they are from ESA

