

# 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/0d420bae00e6863fc8ef349792558e5517afb1a5/41345->

## 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.



# 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.

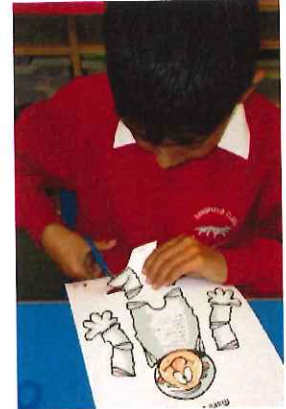
It was interesting to find out that some stars are millions of light years away from Earth.



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.

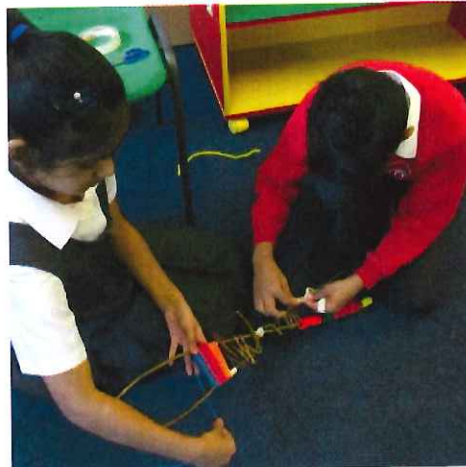
## OTHER SCIENCE NEWS ...

### 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.



After the garden was opened the Mayor and invited guests, including the children were treated to tea and scones in the new Science mobile.

Everyone tucked into scones and tea and the children had their photograph with the Mayor and asked him for his autograph.

At the end of the afternoon the children raced back happily to their classrooms waving their autographs in the air.

It is hoped that this event is going to be in the local newspaper – The Leicester Mercury.



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.

# Sandfield's Science Reporters and Photographers



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."

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



## 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



## 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.

## 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?

