

# Science in Autumn 2017

So much science has taken place this term – we thought we had to share it!



## Welcome!

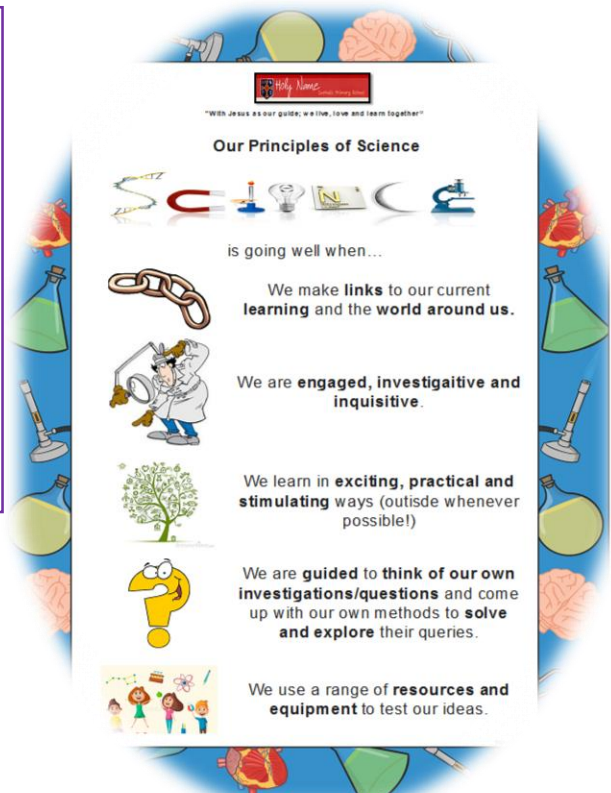
We are really excited to be able to share with you some of the wonderful things that have taken place in science this half term in each class. We wanted to share some of the things you have completed at home and offer ideas on different science activities you can participate in at home during the Christmas break!

### Holy Name's Agreed Vision:

This term we have worked as a team to come up with our very own Principles of Science. These are the things that we have all agreed should be part of our science lessons. Mrs Chapman launched these in assembly in Autumn 2 and these can be found on our website and our working walls!

Thomas in Year Three said that he had great fun finding out if people with longer legs can run faster. "We found out that they couldn't always run faster! We got to use a ruler and a stop watch to test this out!"

Ellie on Year Six said: "I had loads of fun working in my science group to test our own question on whether we could make a light bulb brighter by adding more bulbs. It didn't work because it needed more energy!"



# What has been happening in your classroom?

## Science outside!

Many exciting trips took place this half term to make learning come to life.

**Nursery** went on a fantastic trip to **Ash End Farm**. The children had great fun learning about what animals eat - they even got to feed the animals!



**Reception** went on a trip to **Birches Valley** - they got to look for autumn things and bumped into **Santa**!



**Year One** went to **Red House Park** to find signs of autumn - they had great fun reflecting in the **outdoor classroom** all the interesting things they found.



**Year Four** went on a visit to **Think Tank** in Birmingham to learn about solids, liquids and gases. They even got to make slime!



**thinktank**  
Birmingham science museum

## Experimental madness!

Lots of exciting experiments have taken place. Especially in Year Two, when the children used disclosing tables to identify plaque.

It was such an exciting way to learn about the importance of brushing your teeth - especially with all the lovely treats you will have planned this Christmas!

Year One explored types of paper and tried to make a waterproof poppy wreath - we found that laminating the paper was the most successful - what a good idea!

Reception went into our outdoor classroom to find worms by sending sound vibrations through the soil. They then collected the worms and put them in a wormery to observe back in class.

You can see all of this fun on our school website!

## Out of this World!

**Year Five** have been learning about space. They worked so hard at home with parents to create amazing rockets and space projects! They set up a workshop to invite parents in to see their hard work!





# Christmas

## CoMPETition

Fancy a challenge this half term break? How many Santa STEM challenges can you complete?

For more information visit **Science-Sparks** on: <http://www.science-sparks.com/2017/11/29/santa-stem-challenges/> or view the school website. Create a mini project book to showcase the challenges you have completed to be up for winning a prize!

Challenge	Problem
1	Oh no, Santa has lost his sense of direction. Can you help him find the North Star?
2	Santa has lost his compass; can you help him make a new one?
3	Oh no! Santa dropped a bag of toys and they have all broken. He left the glue at home and only has his flask of hot milk, how could he make glue and what else would he need?
4	The chimney is too small for Santa to fit through, can you design a catapult or slide so he can safely drop the toys down?
5	One of Santa's cheeky elves keeps hiding, can you design and build him a shelf to sit on?
6	Santa is visiting a house with no Christmas tree, he sees a stack of paper cups by the fireplace, can you help him build a tree to put the presents under?
7	Oh no! The reindeers have run out of magic flying dust and need to cross a lake, can you build them a raft?

**Trips out! Why not visit...**

- The Space Centre in Leicester to further enrich your child's understanding of space!
- Santa Safari at West Midlands Safari Park in Bewdley "As well as meeting Santa, real reindeer and penguins, children can see the park's cheetahs, lions, elephants and giraffes as well as meeting meerkats and walking through the UK's largest lemur wood."

Find out about how Tim Peake survived in space with the Ask an Astronaut book!

