



# REDRUTH SCHOOL NEWSLETTER

Issue 289 14th February 2020

## Duke of Edinburgh Awards

On Thursday, 6 February the annual Duke of Edinburgh awards ceremony took place in school to celebrate students who achieved the award. Duke of Edinburgh is a non-competitive programme of activities encouraging students to undertake exciting, constructive, challenging and enjoyable activities in their free time. As well as



these activities they have to complete an expedition in groups, 2 days for Bronze and 3 for Silver. This year we had 36 students achieve Bronze and 16 achieve their Silver award. Congratulations to all who achieved an award.

Any students interested in taking part in the Duke of Edinburgh Award scheme should contact

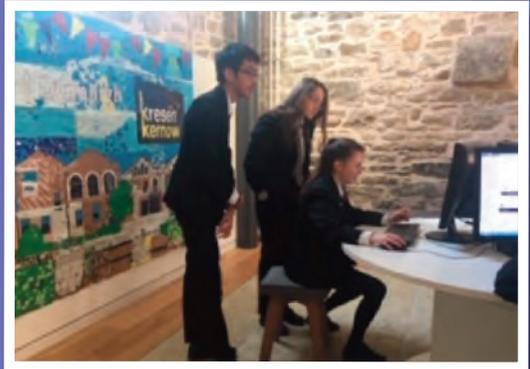
Mr Watson or Mrs Clemence.



# Mathematician

LEAP Students in Years 9 and 10 spent part of their day at Kresen Kernow this week, they were learning about John Couch Adams a very famous Cornish Mathematician. A Doctor of Mathematics from Exeter University hosted the event along with the Educational Specialists at Kresen Kernow.

John's most famous achievement was predicting the existence and position of Neptune, using only mathematics. The calculations were made to explain discrepancies with Uranus's orbit. At the same time, but unknown to each other, the same calculations



were made by Urbain Le Verrier. Le Verrier would send his coordinates to Berlin Observatory astronomer Johann Gottfried Galle, who confirmed the existence of the planet on 23 September 1846, finding it within  $1^\circ$  of Le Verrier's predicted location (there was, and to some extent still is, some controversy over the apportionment of credit for the discovery).

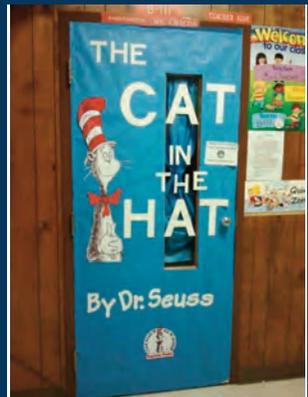
The students also enjoyed researching their families and learning all about other famous Cornish people who are featured in exhibitions at the venue.

## World Book Day

House Challenge for World Book Day is, make your tutor room door into a book cover! As a team can you make your door look like the cover of your favourite or a well-known book?

Judging will take place on World Book Day - Thursday 5 March.

Staff and Year 7 & 8 students are invited to dress up as a character from a novel to celebrate World Book Day.



## Science Club

Written by Chatelle Tatum-Curtis

During Science Club in the first week of February, we did an experiment to try to estimate the number which is Absolute Zero - the lowest temperature of  $-273.15$  degrees Celsius, where all particles cease movement.

We decided to calculate this using an article written by Dr Scaife.

Using 2 balloons and some determination, as well as a few other pieces of equipment.



Working as a team, Fin, Piran, Ben, Chloe and Chantelle, each had important roles to play in this experiment. We took a tray of equipment, and using filled balloons measured their circumference in cm. Once balloon 1 + 2 were measured, we put them into the freezer for 30 minutes to leave them to shrink. During the freezing process, I measured the temperature of the room and the freezer. Once ready, Chloe and I removed them from the freezer and measured their circumference again. We then had to cube both the circumference, frozen and non frozen, for both balloons, take the first 3 significant figures and divide by 1000, and plot them onto a graph that charts circumference against temperature, so it would make a straight line when connecting the two points relating to a balloon. Finally, we drew the lines so they reached the temperatures at the bottom, and calculated the mean average.

## Book Donations



We would welcome donations of books to the Library, particularly if anyone has outgrown their David Walliams, Roald Dahl or Tom Gates books.

## Stamp Appeal CLIC Sargent

Please remember bring in any stamps to school.

They are used to raise money for CLIC Sargent's Homes from Homes.



## English Schools Football Association

Year 7 boys went to the ESFA Regional 5 a-side Football last week in Torbay. They won 3 of their matches and lost 2, narrowly missing out on a place in the final.

They all performed exceptionally well but the stand out performer was Will; he demonstrated outstanding maturity in defence and was also our top scorer with 4 goals, including a hatrick!



## Diary Dates Year 5 Super Fun Saturdays

Science	14 March 2020
Arts and DT	20 June 2020
Maths and English	4 July 2020
Science	12 September 2020
Sport	19 September 2020
Humanities/Languages	... 3 October 2020
Music Drama and Dance	17 October 2020

9am - 12

Please call 01209 203714 to book your child's place.

## Careers Information and Guidance

Labour  
Market  
Information

For information

Apprenticeships

Visit [www.redruth.cornwall.sch.uk](http://www.redruth.cornwall.sch.uk)

Work  
Experience

College  
Details