



Academy.

Hayle Academy Newsletter - December Iss 1. 2018



**Planet Earth Day | Physics Challenge - Exeter | Projectability
PTA Christmas Fayre | Climate Change Event**

Heads up.

Welcome back to our penultimate Academy magazine of 2018.

Congratulations to Year 11 who having just completed their Pre-Public Exams and have achieved great results. The preparation and commitment they have shown towards these assessments have been very impressive and their results are on target to achieve some of the highest school results. Their positive attitudes must be commended and their hard work is coming to fruition.

Despite the end of term fast approaching, there has been no abatement in the number of experiences and activities that our students have embraced with their typical enthusiasm, commitment and pride!

Of particular note, is the Year 5 transition day – 'Planet Earth'. It was wonderful to see so many Year 5 students filled with wonder in the space dome; asking 'big' questions, and sparking their imagination and curiosity about our place in the universe. Many thanks to all students and staff who helped to make the event such a success.

Students have been involved in a whole host of other activities varying from university Physics challenges to a 'Climate Change' student conference led by and based at our school; from Community events to sporting achievements, including our basketball team's most recent triumph and the competitors involved in the Projectability Games.

With the final countdown towards Christmas, there is much to celebrate and to look forward to, including our Christmas Carol concerts showcasing the amazing musical talents of our students, as well as our Santa Parade through the town in support of Cornwall Hospice Care along with our local primaries. Thank you to everyone for supporting this charity fundraising event and for sponsoring our students.

We hope to see you there!

Andrew Martin - Headteacher





PLANET EARTH DAY

Year 5 Transition Day

On Thursday 29th November, Hayle Academy welcomed 124 students from Penpol, St Erth, Bodriggy, Leedstown and Gwinear primary schools for a "Planet Earth Day".

First stop was the Space Odyssey Dome planetarium. There the pupils enjoyed an amazing 3D multimedia immersive presentation aimed to enthuse viewers with a love of astronomy and give them a sense of how fragile the Earth's environment really is.



Inside the dome, students were taken on an eye-opening adventure to find out more about the origin of life and the exploration of some of science's most profound questions.

- How did life begin on Earth?
- What is the meaning of the "Big Bang" theory?
- What could Earth have been like right at the very beginning of life?

THE MYSTERY OF DINOSAUR EXTINCTION

Year 5s completed a dinosaur extinction mystery. There is long standing evidence that land dinosaurs died out due to an asteroid impact. However, recent evidence has highlighted another factor – a volcanic eruption in what is now India.

The students examined fossils, analysed climate evidence and made their conclusions. We were thrilled to spend the morning with the Year 5s – they were a joy to teach.

MARS LANDING EXPERIMENT

Year 5s had the opportunity to carry out a fun but practical problem solving task. They were tasked with building a lander to safely land an egg without it breaking. This activity is based on a true story. In 2014, European Space Agency Scientists successfully landed a moving comet, one of the most extraordinary achievements in space history.

This comet could move scientists much closer to answering some of the most important questions about the origins of life, where before they had only been able to land probes on Mars and the Moon for answers.

The task was easier said than done, where design and gravity would need to work hand in hand.

They only got one egg, and, therefore, one chance to land it safely!

Thanks to all the teachers and support staff. Special thanks to Year 7 support students, Thomas, Freya, Kai, Maisie, Lucas, Jack, CC and Dylan, and from Year 8 - Gemma, Holly, Tirzah, Daisy, Holly, Archie, Elizabeth, Georgia, Roxie, Frey and Peter who helped support and guide the Year 5s



Physics Challenge

Story by: Steve Ball

On Wednesday 5th of December, two teams of our top scientists from Years 10 and 11 travelled to Exeter Phoenix to participate in The Physics Challenge put on by Exeter Maths School.

The Physics Challenge is an Ogden Trust sponsored event for gifted and talented students in schools throughout the South West of England.

Despite a very damp walk through Exeter and some brief confusion about when to pay in MacDonald's, a hot drink warmed them up ready for the challenge.

The students sat through 3 rounds of difficult Physics problems, which included an estimating round, a practical Physics round, and the feared VERY HARD QUESTION round.

Our Year 11 team won the practical Physics round with an ingenious home-made Eureka Can made from plastic cups and some excellent Maths. (If you know what a Eureka Can is, you may think this is easier than it sounds).

After a brilliant effort in the VERY HARD QUESTION round, which unsurprisingly did have some very difficult questions, they came second overall from 11 schools represented.

Our Year 10's were commended at competing well with Year 11 students from top schools in the South West. More importantly than coming second, was the way our students conducted themselves. They had fun with the problems, were able to think laterally and creatively to solve very open questions, and they were not fazed by their private school competitors.

Well done and thanks to Siofra, Gypsie, Sophie, Ben, Elias, Tommy, Maadison and Lilli for your participation, good company and fantastic manners.





CLIMATE CHANGE

Students discuss the impact of a changing climate

Students from Hayle Academy alongside other local schools, had the chance to look deeper into the consequences of the enhanced greenhouse effect on a local and global scale. Students from St Piran and Pool Academy joined 25 Hayle Academy students from Years 10 and 11 for an evening workshop on climate change this week.

Firstly, a lecture from guest speaker Dr. Rangecroft offered the students an insight into her research findings. Dr. Rangecroft shared what she had researched during her career from the impact of retreating glaciers in the Bolivian Andes to water scarcity in rural South Africa.

Following this, the students had a chance to develop their own idea with a hypothetical social media discussion with Donald Trump and then the designing of their own research proposal into the impact of the enhanced greenhouse effect. There were some fantastic proposals, including measuring the advancement of desertification, gauging the impact warming seas are having on coral reefs and even a detailed proposal of how to measure the impact on polar bear behaviour.

The evening concluded with a geographically themed Christmas quiz for which the winners will soon receive their festive treat.

Mr Leech, one of the Geography teachers at Hayle Academy said, "I am really proud of our geographers going the extra mile and it was an absolute pleasure to see them engaging in such a poignant issue and to share the evening with our friends from other local schools."

Story by: Mr Leech



NO SUMMER SLACKING FOR **JOE**



Joe in Year 7 is back in our newsletter. He's finally received his Blue Peter Badge after weeks of waiting. I caught up with him to find out what he had done to earn it.

How do you earn a Blue Peter Badge? "This Sports Badge is earned for those trying a new sport not tried before. In the summer holidays while camping with friends, I tried Slacklining."

What is Slacklining? "It's very similar but also opposite to tight rope walking; a webbing material is used but the tension is a lot less than tight roping. This creates a moving line that will stretch and bounce like a long narrow trampoline, so keeping your balance can be tricky."

For those of you wondering, there are many variations of slack lining; Urbanlining, Tricklining, Highlining, Freestylining, Slackline Yoga, Freestylelining, Windlining, so the choice is yours.

Joe, as a beginner, was able to eventually slackline completely hands-free. He then sent photos and a letter to Blue Peter explaining what had been the biggest thing he'd taken out of it. Joe felt he had mostly grown in confidence.

What does a Blue Peter badge get you?
"I can now get free admission to over 200 attractions all over the UK."

Where are you going to go first?
"Probably LegoLand."

Unfortunately for some of us, to earn a badge you have to be aged between six and fifteen...



It was the first of the Projectability Games on Friday at Penwith College. Mrs Penrose and myself took 14 pupils from Year 7-Year 11. There were many new activities this time and the pupils were awesome. Phoenix, Charlie, Sky, Alex and Jowan thoroughly enjoyed their first time participating in activities like kurling, hockey, football, basketball, boccia and archery.

Phoenix showed such enthusiasm in hockey and was the kindest boy, showing such empathy towards others. Our veterans, Katie, Lauren and Ashlyn displayed their usual flare of expertise showing the youngsters what to do and how to play. Lauren excelling in archery, Ashlyn in basketball and Katie in kurling. Kasey and Courtney were a force to be reckoned, displaying such skill on the football court.

I am looking forward to the rest of the forthcoming events that include a boccia championship.

Report by: Mrs Thomas-Mclean

MUSIC LESSONS

WOODWIND - GUITAR - BRASS -
VOICE - PIANO - KEYBOARD

Applications forms are available from Student Reception – we are asking for completion and return by 19th December, along with payment were applicable.

The next lesson run will start week beginning Monday 14th January 2019.

Free or subsidised places are available for certain students - information is shown on the forms.

Students should go to see Mr Glen Graham if they have any queries or need advice.



PTA CHRISTMAS FAYRE

On Friday, Hayle Academy held its much awaited Christmas Fayre.

It was a great success mainly because of the support of the local stalls selling cakes, sweets, Christmas crafts, paintings, carvings and so much more. There was a great atmosphere and we were really pleased with the number of visitors.

It was lovely to see so many staff, students and parents supporting the event. A big thank you to all the organisers and the Hayle Academy PTA for making it all happen.



JULIANNA LIGHTS A CANDLE FOR ST PETROC'S CHARITY

Julianna has again been recognised for her work with St. Petroc's society, a charity dedicated to helping homeless people throughout Cornwall.

Representing all their young volunteers and fund-raisers, Julianna was picked to be one of the candle bearers for the St. Petroc's carol service held on Friday 7th December.

DANCING QUEEN

Freya in Year 9, along with 16 young hopefuls from her dance school were invited to audition for "Move It", one of London's biggest dance events.

Freya was chosen as one of eight lucky dance students to attend the show next year. They will have the chance to take part in dance workshops run by famous dancers as well as watch a professional dance production.

