



## From the Headteacher

Dear parents and carers

As the long hot summer continues, I think everyone is ready for the summer break. It has been incredibly hot at times – we don't have air-conditioning around our school, but students and staff have coped fantastically well. Unlike some local schools that take students to amusement parks at the end of term, we prefer to carry on learning to the very last day. As I write, we are half-way through enrichment day. Students have chosen something new to do and I've seen some fantastic learning this morning. Year 7, for example, were acting with robots, making miniature art installations and conducting an alien autopsy. There was a fantastic buzz around the school; awe inspiring stuff.

It is also the time of year when we say goodbye to colleagues who are moving on to pastures new. We are losing more than usual this year and I need to reassure you that they are all leaving for positive reasons – mostly promotion or relocation. Here is a list of the colleagues who will be leaving on Friday:

Miss Cortes, Music; Mr McConnell, Science; Mrs Knight, Science; Mrs Lockyer, Science; Miss Zloh, Psychology; Miss West, Psychology; Mr Mabbitt, English; Mr Woolnough, English and Media; Mrs Kleanthous, MFL; Mrs Thaker, Maths; Mr Pellett, Geography; Mr Trotter, Business; Mr Gunduz, DT; Mrs Swaile, Geography and Ms McQueen, English.

I am sure you will want to join me in wishing them every success in their future careers. We have replaced them with a very able new group of teachers and you will be pleased to know that we are fully staffed with subject specialist teachers for September. I'm sure you will make them feel welcome as you meet them during the next academic year.

Examination results days are as follows:

- ◆ **Thursday 16 August** - A Level results. Students can collect results from 8.30am.
- ◆ **Thursday 23 August** - GCSE results. Students can collect results from 8.30am.

The arrangements for the start of next term are as follows:

- ◆ **Tuesday 4 September** – start of term for Year 7 students; Year 13 students register for courses and collect timetables.
- ◆ **Wednesday 5 September** – start of term for students in years 8, 9, 10, 11. Lessons begin for year 13 students.
- ◆ **Thursday 6 September** – start of term for year 12 students.

There are photographs of 'Enrichment Day' elsewhere in Nobel News – thank you to everybody involved.

It's been another fantastic year at Nobel, have a great summer break and stay safe.

Warm regards

Martyn Henson

# Triathlon

On Friday 13 July, fourteen Year 12 students took part in a triathlon, raising sponsorship money for charities of their choice. They completed a 10-mile walk followed by a 37.5-mile cycle ride and then paddled across the lake as the final leg of the event.



They raised money for the following charities:

Epilepsy Society

<https://www.justgiving.com/fundraising/abby-obrien1>

Cancer Research UK

<https://www.justgiving.com/fundraising/ryan-nash4>

<https://www.justgiving.com/fundraising/corey-jode>

Young Minds Trust

<https://www.justgiving.com/fundraising/nobel-triathlon>

Alzheimer's Society

<https://www.justgiving.com/fundraising/eliesha-netherwood>

Teenage Cancer Trust

<https://www.justgiving.com/fundraising/ciye-zealand>

Kidney Research UK

<https://www.justgiving.com/fundraising/triathlon-emily-emily-tatenda-abby-sophie>



They have so far raised £3,145 and the 'just giving' pages are open until the end of term if you would like to be part of this remarkable fund-raising activity.

Mr B Lovelock  
Form Tutor 12BLK

## Duke of Edinburgh Award Scheme 2017/18

Over two glorious days of sunshine on 28 and 29 June, 33 Year 10 students all passed their expedition section of the Bronze Award in South Hertfordshire. Students have been working on their volunteering, physical and skill sections all year and rounded off the award by showing great Nobelian characteristics, in extremely hot conditions, to complete their qualifying expedition. It required them to plan and undertake a two day hike with a camp overnight at Tolmers Scout Camp, in Cuffley, where they had to cook their own food and pitch their tents. The mercury soared to 30 degrees on the second day of the expedition, which made walking with rucksacks very hard but all students showed great determination to finish the expedition successfully.

Well done to the following students who took part:

Sitara Aman	Abbie Bradshaw
Riyadh Chowdhury	Macy Coker
George Craig	Maddison Dexter
George Ewbank	Evita Fernandes
Loren Gregory	Jack Hooper
Thomas Hutton	Katie Isaacs
Maisie Keen	Sinead Lee
Samantha Lok	Thomas Long
James Marsh	Naomi Mbewe
Sarah McMillan	Jovan Navjee
Vaneesha Patel	Matthew Poon
Jack Randall	Thomas Rowe
Sebastian Sabine	Bradley Shaw
Abigail Smith	Freddie Turner
Elliot Ward	Jake Welch
Thomas Welch	Samuel Wright
Tia Zealand	

Over the previous three days (25-27 June) four Year 12 students completed their Silver Award expedition up in the beautiful surroundings of the Peak District. The external assessors who were judging their performance commented that they were the best Silver group they have ever seen on expedition! Their commitment and determinations in equally gruelling temperatures was admirable and the final day even saw the group rise at 5.30am to start their walk before the temperatures started to rise.

Well done to the following students who took part:

Chi-Chi Anene	Owen Rodbard
Sam Wiggins	Ciye Zealand



The Duke of Edinburgh Award is growing at Nobel and has now been offered to the next cohort of students for 2018/19. In addition, the Gold Award will be offered for the first time next year.

## Reflecting on Year 7

Wow, what a year! My first year as Head of Year 7 has been fantastic and I have enjoyed working with all the students every single day. Watching the students transform from nervous year 6s into confident, enthusiastic Nobelians is a joy. The students have stepped out of their comfort zones on numerous occasions and can now make their way around school and help others, with impeccable manners and positive attitudes.

My favourite thing about this year group has to be their enthusiasm. All students have achieved over 50 house points with some individuals reaching over 400! I am so very proud of them all. Their determination to succeed as Nobelians is inspirational.

I have been lucky enough to work closely with a group of year 7 ambassadors who have supported the parents and students of the new cohort through transition evenings, open evenings and tours. Their support and enthusiasm has had a unprecedented impact on the new year 7s. They are inspirational role models and Nobelians for the new students to look up to.

Finally, I would like to thank all of the parents for their support throughout the year. The positive relationship created is key and you are lucky to be continuing this with Mr Jones next year. I would also like to thank the form tutors and members of staff for their hard work and determination in helping every single student succeed and progress. Finally, I would like to thank the students; you have been a fantastic year group to work with and I have proudly passed you over to Mr Jones as resilient, hard-working and enthusiastic young adults.

Have a fantastic summer, you deserve it.

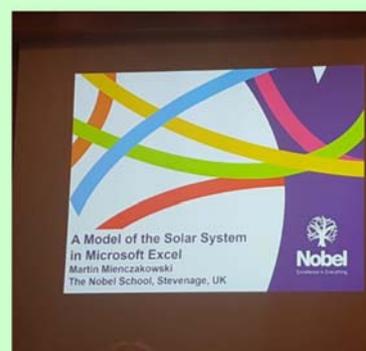


Mrs Jones  
Head of Year 7

## Nobel at the European Space Agency

Nobel Science teacher Dr Mienczakowski was selected from teachers from all over Europe to go to the European Space Agency and spend a week learning activities designed to bring space into the classroom. During the week he met astronaut Paolo Nespoli who has been into space 3 times and also had the chance to present a lesson, which he had taught to Year 13 students at Nobel, to the other teachers.

The European Space Agency has donated a box of materials for Dr Mienczakowski to bring back to school, so look out for space themed lessons next year!



# Sudoku puzzle

Daily No. 4454 Easy

12		11		18	7		15	3
10		11			8			
8			15	6	14	7		12
7	15					7		
	7		11			13		15
9	12		13	14	11	7		
	8					11	6	
11	10	5		14			6	
		9			12		15	

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## Instructions

- Place 1 - 9 once in each row
- Place 1 - 9 once in each column
- Place 1 - 9 once in each 3x3 box
- Complete the 'sum cages' such that the total of the numbers in each cage is the number stated at the start of that cage

You are not allowed to repeat any numbers within any sum cage

## Logic Puzzle

### A Question of Ages

Two youngsters are chatting about their ages. Tom is currently three times as old as Mary, but in two years time he will be twice as old as she is. How old is each youngster?

*Solutions on page 12*

## NOBEL SCHOOL PARENTS, STAFF and COMMUNITY BOOK GROUP

Next meeting will be held in  
the Library, 6.30pm

Tuesday 18 September 2018

The books to read are:

[The Lido](#)

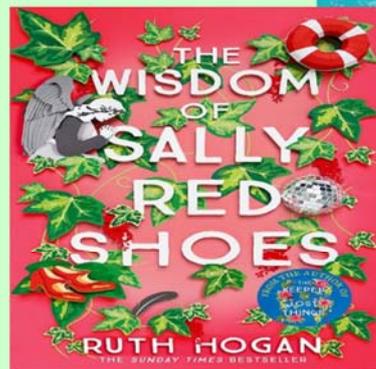
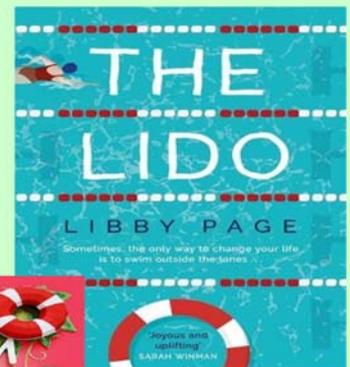
[The Wisdom of Sally Red Shoes](#)

[The Party](#)

Read all or part of the books and come and discuss it in a friendly informal group

Contact: Rosalind Essakhi: 01438 222600 or email:

[library@nobel.herts.sch.uk](mailto:library@nobel.herts.sch.uk)



# Enrichment Day

This Tuesday we organised an Enrichment Day for our students. Instead of normal lessons, students attended sessions where they were able to immerse themselves in extended learning experiences based around different themes.

The theme for Year 7 was 'Out of this World' and students chose to spend the morning being creative in art, drama, music or English. Activities included making 'A World in a Box', creating robots, designing galactic gowns and writing about the future after being exposed to an alien autopsy and examining artefacts from the future. In the afternoon, students had a talk from Paul Hill from Sirius Astronomy where, through a series of live experiments, students learnt about life as an astronaut.



Our Science and Technology faculties spent the day with Year 9, considering the risks associated with flooding and they had to create a house that would provide safety during a flood. They made models and then costed their designs for an actual house. Finally, there was a competition to see which structure was the best one to adopt.



Year 8s spent the day learning about the 'World around Them' and worked with our Humanities and Languages Faculties. Students learnt about their immediate environment by carrying out their own research into pollution on our school site and then found out more about global issues through looking at endangered animals and the impact of plastic waste in our oceans. In the afternoon, they experienced sport from around the world, taking part in activities such as Russian dancing and futsal.

Young Enterprise organised an amazing day for our Year 10s, providing them with an 'Employment Skills Masterclass'. They had input from employers on how to brand themselves, how to deliver a pitch and top tips for interviews. Students were also able to spend time looking at courses and routes into employment, to help them make the right decisions next year.

As Mr Henson and I walked around the school, we were filled with an enormous sense of pride. Both for our students who were embracing the day with a true Nobelian spirit and at the obvious hard work our staff had put in to organising the day. I would especially like to thank Mr Howells for his overall organisation of the day.

Ms Reeder

## Year 9 Celebration Breakfast

On Friday 13 July, we held a celebration breakfast for our students in Year 9. The 20 students, who have made the most progress since the last data drop, were rewarded for hard work, excellent progress and exemplary behaviour. Mr Camp, Head of Year 9, added: 'Huge congratulations to this group of Year 9 students who were invited to the final celebration breakfast of this academic year. The criteria to be selected was the most difficult yet - zero behaviour points and maximum progress in all subjects in the latest data drop. Well done team and what a wonderful occasion for us as teachers and parents alike. The Year 9 students are about to enter into their GCSE years and I wish them all the best and success as Nobelians in the future.'

Mr Camp  
Head of Year 9



Anjum Ahmed  
Hasnna Begam  
Ruby Bolt  
Joe Broom  
Hannah Flood  
Scarlett Ingram  
Alex Marshall  
Kaitlin Peebles  
Eve Sidebotham  
Abi Towler

Jack Bannister  
Tahmina Begum  
Jenson Bolton  
Elle Colbourne  
Joshua Hart  
Tommy Lockyer  
Ellie Owers  
Kiah Shah  
Connor Stout  
Ellie Towler

## Year 8 students become scientists at the Francis Crick Institute

On 9 July, 20 Year 8 students made the journey into London to visit The Francis Crick Institute. The Francis Crick Institute is the biggest biomedical research centre under one roof in all of Europe, containing over 1500 world-class scientists. As part of their outreach programme, a "Science Spectacular" was put on by The Gastronomists.

The Gastronomists put on a fascinating and engaging talk that covered many topics in science including the biology of snot, the chemistry of sherbet and the physics of farting.

They included lots of audience participation and great demos, showing the explosive power of milk and how snot becomes bogies. The students were excellent ambassadors for our school and showed impeccable behaviour that made us very proud.

We walked to and from the train station on the day and, despite it being very hot, the students managed this remarkably well, even at the fast pace that was set for them.

Dr Pattison  
Science Teacher



## Physics STEM visit to Thorpe Park

On 5 July 2018, some Year 12 & 13 physics students went to Thorpe Park to learn about the physics of rollercoasters.



Prior to the visit we nominated an attraction to study and, after a lot of debate and discussion, we decided on Tidal Wave.

After students and teachers enjoyed the ride and getting drenched, we listened to a STEM talk with one of the theme park education leaders. Students were told the volume of water that had actually ended up on them and were all very surprised to learn it was such a large quantity! We worked out several calculations based on this attraction and many others, as well as what the energy changes were and how to calculate kinetic and gravitational potential energy.

We learned what happens if something goes wrong in some of the big roller coasters, and how we are kept safe during the process called rollback. This occurs when the carriage doesn't quite reach the incline and rolls back to the start, this occurs about twice a year but they can never predict when it will occur. Interestingly, we found out how they use permanent magnets as breaks in this scenario as they will never jam like mechanical ones. We understood why they have to do test runs, and how the mass of the carriage alone must be substantial enough for this.

Before studying our nominated ride we experienced the other attractions in the park, and through listening to the STEM talk we could understand how they all worked. For many years after this trip students going on theme park rides will be able to apply their knowledge as to how each ride operates, what could go wrong and how we are kept safe.



Danielle Atkinson - 12GBE

# 2019

1 – 3 July  
(Provisional dates)



The CERN 2019 visit will be open to students in years 10, 12 & 13 next academic year.

Letters will be available from late September 2018. If you would like to know more please speak to Mrs Allum or Dr Mienczakowski

## Royal Society of Biology Winners

In Science Week, our year 8, 9 and 10 students entered the Biology Challenge, which is a competition open to students all around the world. It consisted of two, online multiple-choice papers taken under exam conditions. The questions were set on the school curriculum, but the competition also rewarded those students whose knowledge of the subject has increased by reading books and magazines; watching natural history programmes; taking notice of the news media for items of biological interest, and those who are generally aware of our natural flora and fauna.

The Royal Society of Biology has recently sent certificates for Gold, Silver and Bronze awards and acknowledged the students who received highly commended and commended awards. This is the third upper school in which I have run the competition and I have never had a student who achieved a Gold award before. This is not the case here. I am very proud to report that three Nobel students achieved Gold awards and are all to be congratulated on their achievement, especially our top student Anika Shah, in year 8, while Erin Campbell and Alex Boxer are both year 10. It is also noteworthy that our top year 9 student, Caroline O' Reilly, achieved a Silver award.



**Top Year 8 students**

**Anika Shah: Gold**

*Oliver Turner, Jake Sutton: Highly Commended*



**Top Year 9 students**

**Caroline O'Reilly: Silver**

*Lewis Mattews, Jenson Bolton, Jonathon Harris, Maayan Peleg : Highly Commended*

*Saad Ahammed Huda, Berenika Sawicka, Aaron Nyson, Sahil Gaikwad: Commended*



**Top Year 10 students**

**Erin Campbell, Alex Boxer: Gold**

**Abbie Bradshaw, Sanenna Azam, James Marsh: Silver**

**George Ewbank, Victoria Igbo, Ben Conran, Saran Hoffman-Jones, Sitara Aman, Toby Burtenshaw, Naomi Mbewe, Freddie O'Brien: Bronze**

*Michael Gallagher, Pathanchali Thevacumar, Dasha George-Ochelli, Thomas Rowe: Highly Commended.*

*Callum Ward, Emily Thompson, Gemma Wallis: Commended*

Everybody who participated will get a certificate and everyone can be proud of his or her achievements.

Mrs Knight  
Science



Students can become members of the Royal Society of Biology through BioNet.

Students between the age of 14 -19 can use their log in details to the competition to join BioNet for a limited period free.

BioNet would be of interest to students who are interested in how biology offers the key to solving many of the world's most pressing challenges e.g., food security, alternative sources, healthcare and climate change.

## The Big Bang Fair

On 5 July 2018 half a dozen students from Nobel School were chosen to go to Hertfordshire University, because their science projects were outstanding.

Students from all over Hertfordshire had come to present their projects to STEM (science, technology, engineering and maths) professionals, who examined every student's project.

There were lots of other fun activities such as looking under microscopes, building large structures and even flying a virtual reality plane to get an idea of how it feels to be an RAF pilot.

We even got to go in a planetarium and also watched a film about a marine biologist who feeds and swims with sharks. We found out loads of facts about sharks such as their skin is made out of teeth and the thresher shark uses its tail to whip its prey!

We had a lovely time at the Big Bang fair. I would love to go again.



Vinay Dholakia - 7TSH

## Year 8 Celebration Breakfast

On Thursday 5 July, we held a celebration breakfast for our students in year 8. The 32 students, who have made the most progress since the last data drop, were rewarded for hard work, excellent progress and exemplary behaviour. Mr Spence, Head of Year 8, commented that he is 'absolutely delighted and so proud to have invited 32 Year 8 students to our final celebration breakfast. The progress made by these students has been exceptional and it is the first time I have had so many students in this 'upper bracket' of achievement.

Thank you to Mr Henson for celebrating their achievements, SLT and especially all the form tutors and staff who have pushed these students to make so much progress.

Well done Year 8.'

Mr R Spence  
Head of Year 8



Paige Abrey	Lamisa Ali
Tia Anderson-Kobs	Masroor Badar Asad
Elisha Basco	Taya Brent
Jamie Brown	Jethro Canda
Adrian Challis	Mia Coverdale
Max Crossley	Rhea D'Souza
Sophie Duncan	Sophie Jackson
Maria Kamali	Michael Kazaura
George Lamb	Ellie Lightfoot
Georgina Markland	Emily Milne
Claudia Mitu	Layla Monk
Iylah O'Brien	Dora Oforiwaa
George Palmer	Sophie Paulus
Daniel Robson	Freya Sanders

## Lunar Eclipse - Free Astronomy Event

Calling all budding Astronomers this event in Letchworth is free of charge but donations to the Letchworth & district astronomical society would be gratefully received. Follow the link for more information.



<http://www.idas.org.uk/event/lunar-eclipse-observing-event/>

# Eureka Money Back Scheme

Go to the school website, select the "Curriculum" tab, and click on "Library"

<http://thenobelschool.org/curriculum/library/>

Click the logo below to access the website!



## 1. Purchase

Purchase resources on Education Umbrella's website to generate eureka points

### EXTRA BONUS

You will get the same access to market-leading prices as schools do!

## 2. Nominate

After checkout, you will be asked to nominate Nobel.

## 3. Donate

Education Umbrella will donate a point for every pound you spend.

## 4. Termly Rebate

Nobel will receive all its points as a rebate termly to spend on any resource site wide.

# Visit Education Umbrella

Save yourself money on education books and resources. Help Nobel at the same time!

**eureka!** | Working together to maximise school budgets

Save yourself money on educational books and resources. Help schools at the same time.

Eureka is the Education Umbrella loyalty and community scheme, which helps to bring school communities together to increase their buying power.

**1. PURCHASE**  
Purchase resources on our website to generate eureka points  
**EXTRA BONUS**  
You get the same access to market-leading prices as schools do!

**2. NOMINATE**  
After checkout, you will be asked to nominate the school of your choice

**3. DONATE**  
We will donate a point for every pound you spend to your nominated school

**4. TERMLY REBATE**  
Your nominated school will receive all its points as a rebate termly to spend on any resource site-wide

**How can you get involved?**  
It's simple - just go to [www.educationumbrella.com](http://www.educationumbrella.com) to buy all your educational books and resources from any publisher.  
After checkout, you will be asked to nominate the school of your choice to receive your points.

**HAPPY DONATING!!!**

education umbrella (+44) 01242 604 408 [www.educationumbrella.com](http://www.educationumbrella.com)

Mrs Essaki  
Librarian

## Logic puzzle solution:

Tom is 6 and Mary is 2.

## Friends of Nobel School - FONS

The next FONS meeting, and the first of the new academic year, will take place on Monday 24 September, at 7:00 pm in the Library.

Thank you to everyone who has helped us raise money over the past year. If you are able to help in any way or would like to know more about what we do, please email [friends@nobel.herts.sch.uk](mailto:friends@nobel.herts.sch.uk)

## Suduko solution

Daily No. 4454 Easy

12	3	9	4	7	5	1	6	8	3	2
10	8	2	6	4	9	3	5	7	1	
8	7	1	5	6	2	8	4	3	9	12
7	1	8	7	9	4	6	2	5	3	
6	7	5	2	3	1	7	9	4	8	15
9	4	3	9	5	8	2	1	6	7	
5	8	7	1	8	6	9	3	2	4	
11	9	6	3	2	7	4	8	1	5	6
2	4	9	8	1	3	5	7	9	6	15

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