

# NewsRound



Keeping parents and students informed

Term 4 Letter 8 Friday 28 April 2017

## Science 4 Transformation

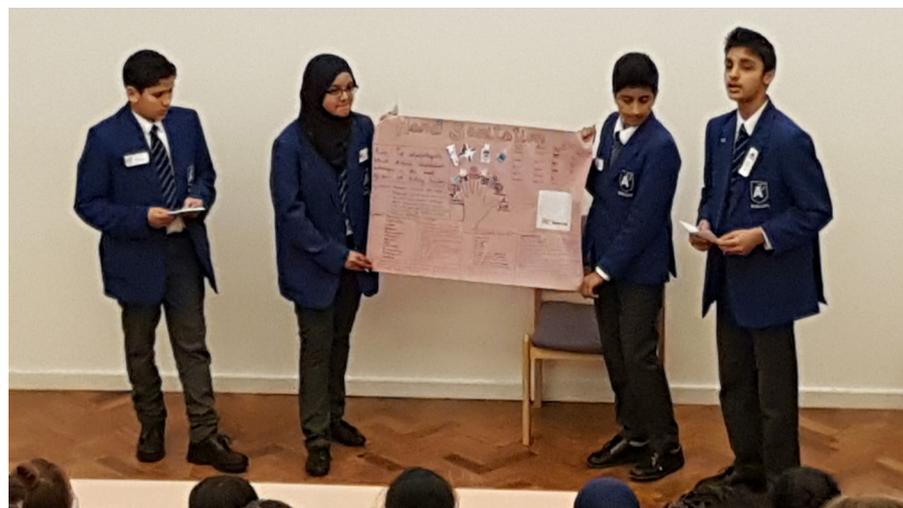
A group of Year 9 students visited the University of Westminster this week to take part in the Schools' Science Conference. This was the 14th annual schools' science conference in collaboration with Science4U.

This year's theme was "Science for Transformation" and aimed to introduce the different career paths available in science to Secondary School and Further Education students (years 9-11) from the 18 participating schools. The conference was presented by over 100 volunteer professional scientists and healthcare professionals to encourage young people to study science and to educate them on the career possibilities that can come from a science degree.

The 2017 theme, "Science for Transformation", reflects the growing development of new treatments and therapies that are making national headlines (eg genetically modified immune cells to treat cancers) and cutting-edge innovations in Physics and Engineering that are transforming our approach to patient treatment.

The students had a very informative day attending an interactive workshop presented by the Royal College of Pathologists, interactive exhibits exploring how the body works and an interactive event called: 'The Science of You', which demonstrated how each of us is a product of the science that is constantly occurring within and around us. They also listened to a very interesting talk by Clare Elwell, Professor of Medical Physics, who presented how advances are transforming how, when and where we can image the human brain.

Prior to the event, students were asked to undertake a research project that they would present to other schools. This would culminate in the presentation of the Don Henderson Award for Science Experimentation for the best project presentation. Four of our students were commended on their investigation on the most effective hand sanitation technique, and they came 2nd overall which was incredibly impressive considering the students from other schools were Year 10 and 11 students. Well done to Mohamed Shaltout, Fatema Siddiqui, Wasil Bhatti and Yasir Rana.



## Wandsworth Youth Trials

The Wandsworth Youth Trials have been well supported by our students across the various events that have taken place so far. There are a few trials taking place next week. If any student is interested in putting their name forward, see the PE team for a full list of the remaining trials and a consent form.

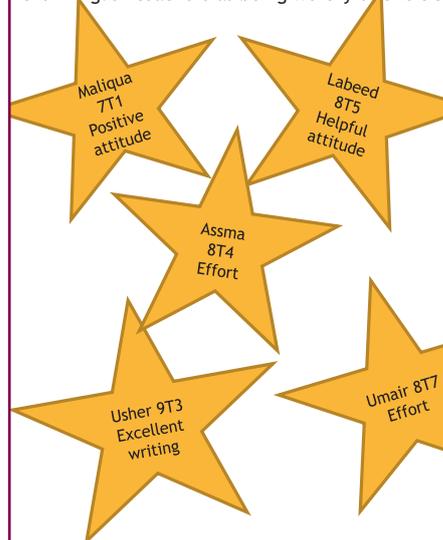
The London Youth Games is the biggest annual youth sports event in Europe, and Team Wandsworth are looking to win the title for the 4th time in 5 years. Let's keep our fingers crossed that many Ashcroft students will be selected to be a part of Team Wandsworth.

## Debate Mate

Eighteen Year 9 students will have the opportunity to attend the launch of an exciting event bringing different schools together at the Hyde Park Education Centre for a live debate next Thursday. The next step is for 100 chosen students across London schools to develop their skills through a series of in-house workshops, preparing them for a public competition in June, live at Speakers' Corner.

## KS3 ENGLISH STUDENTS OF THE FORTNIGHT!

The following students have been identified by their English teachers as being worthy of this title



## Meet the Head Student Team

This week Deputy Head Student Oscar Fitzpatrick-Nash introduces himself.



I joined Ashcroft sixth form in September last year from Thames Christian College. I study A levels in Chemistry, Biology, Maths and Physics.

Ashcroft offers great diversity of people, activities and facilities, along with a positive working environment. From the day that I started, I discovered that there are lots of events to be a part of, and I have participated in many myself. The house events are always the most competitive, and very enjoyable also! I had the privilege of being appointed house captain for Discovery where I lead and organise my house for events. This has been a great experience for me, and has helped me to develop skills that have led to my appointment as Deputy Head Student.

This post is an honour to fulfil, and I have great hopes for the Head Student team, who will aim to maintain Ashcroft as an enjoyable and friendly workplace for all students.

Academically, I am passionate about my work, and study hard to achieve top grades. My main interest lies in the human body; what it is composed of and how it functions in different environments. Therefore,

I have an ambition to study Medicine at a top University in the UK, followed by a career travelling around the world delivering medical aid to many countries. Along with this, I would like to contribute to research into developing better drugs and methods for treating illness and disease. In addition to my work inside the Academy, I volunteer weekly at a Hospital for Neuro-disability, to gain valuable experience in preparation for my career as a doctor.

Ashcroft is helping me to achieve my ambition in a number of ways, including by awarding me a scholarship for a Medicine course, as part of the Sixth Form Scholarships scheme.



### STEAM Club continued with their second week of new rotations and it was certainly full STEAM ahead!

In Mr O'Sullivan's Super Structures Club, the Year 7 STEAMmies continued with their bridges construction and the bridges are taking shape. The STEAMmies are making use of all the resources available to them to meet the specifications of the build and applying their knowledge to see which group can build the strongest.



In Mr Hearn's Anatomy of Film Club, the Year 8 STEAMmies finished off making decisions about how they'd choose to shoot 'The Iron Man', and re-watched the film with a view to making a sequel, and start to plan. Hopefully, their ideas will

take root in their minds over the next week so tin STEAM Club next week, they will be able to create a full storyboard for their sequel to the nightmare-inducing film 'The Sandman'.

It was interesting that two students



who weren't here last week experienced this film in rather a different way and clearly reacted much more strongly: this suggests that the power of these films lies in their shock value: something to ponder for their sequels? Will we be transported to the land of the blind boys, or will the Sandman simply fly off to a new house and cause terror in new ways? Ms Khan and Mr Hearn look forward to viewing the finished shorts in two weeks' time.

With Miss Griffiths, Miss Haviland and Miss Peterson, in the Pin-Hole Camera Club, the Year 9 STEAMmies incorporated the 'ART' into 'STEAM', and continued with their project to construct a pin-hole camera to capture an image through light. The STEAMmies have progressed very well and will be ready to use their pin-hole cameras in the next session – we're looking forward to the fantastic photographs their pin-hole cameras will generate.



### Next week is a STEAM-tastic week for STEAM Club, as there are two special events happening.



On Wednesday 3 May, 63 students from STEAM Club will visit the STFC Rutherford Appleton Laboratory. This forms the additional award offered to our winning STEAM Club at the STEM Inspirations Awards

at the House of Lords last November. This visit will be a wonderful enrichment opportunity for the STEAMmies, as the research carried out at the STFC Rutherford Appleton Laboratory is based on relevant fields of: particle physics, space science, materials, astronomy, photon science, computational and e-science, biology, biomedicine and chemistry.

On Thursday 4 May, 18 STEAMmies will visit the Army Reserve Centre at West Ham with Ms Khan and Mr Morrissey, to participate in the Bloodhound SSC national finals. Very well done to these students for making it through to the finals with their super fast rocket cars! They will be pitted against other schools to design and construct the fastest rocket car. The winning prize is a trip to the Bloodhound SSC in South Africa. Ashcroft's STEAM Club has been hugely successful over the past couple of years and we are keeping our fingers tightly crossed for our students at this event!

**Keep up with the great work, STEAM Club!**

## WEEK 6 MATHS CHALLENGES

We are giving you all another to work our the answer to the mathematical mindbenders on this page. Are you ready to test your brain power Answers to be handed in by Monday 8 May

KS4

### MATHS CHALLENGE



Eliud Kipchoge ran the 2016 London Marathon in 2:03:05, missing the world marathon record by 8 seconds.

**Q1** How much faster is the record in mph?

A marathon is 26.2 miles long

**Q2** If you ran at a pace of 4m/s how much longer would it take you to finish the race than the record holder?



Use the orange slips to submit your solutions in the post-box in the Maths corridor by

KS3

### MATHS CHALLENGE



A group of runners known as the *Ever Presents* have completed every single London Marathon in the race's 36-year history

**Q1** Over all these London marathons, how many race miles have they each ran?



**Q2** If you ran at a constant speed of 6mph, how long would it take to cover the distance you found in Q1?

Use the green slips to submit your solutions in the post-box in the Maths corridor by Monday 1<sup>st</sup> May.

KS5

### MATHS CHALLENGE



Rupert and Fiona are running a marathon.

Rupert runs the entire marathon at a constant speed of 8 minutes a mile. Fiona runs at different speeds, with fast spurts and slower sections, such that she covers every mile in 8 min 1 sec.



Whichever mile you take – the first mile of the course, the last mile or, say, the interval between 13.6 miles and 14.6 miles – Rupert will run it in 8 minutes and Fiona will be a second slower.



How is it possible that Fiona finishes first?!

Use the red slips to submit your solutions in the post-box in the Maths corridor by Monday 1<sup>st</sup> May.

Looking to extend your foreign language knowledge?  
Why not come along to the German Club

# GERMAN CLUB

Thursday lunchtimes - D302 - KS3 only - May 4th and onwards

The culture and language of Germany

- Learn how to order food and get the chance to try authentic German cuisine
- Learn about the celebrations in Germany and get the opportunity to experience Oktoberfest
- Learn how to ask for directions and about the social customs
- Watch a German film

# SKI TRIP

## February 2018

**Ski Trip to 'Bardonecchia' Italy: 9<sup>th</sup> Feb 2018 – 17<sup>th</sup> Feb 2018**

- 6 days with 4 hours of Ski Lessons
- Hotel next to the ski lifts
- Lessons with professional ski instructors
- All travel and food included
- £975
- Excellent evening entertainment
- All abilities welcome

See Miss Griffiths for an information letter



### REMAINDER TERM DATES 2016-2017

**Term 4 begins** Mon 20 Feb – Fri 26 May  
 Staff Dev Day Fri 31 Mar  
 Easter break Fri 31 Mar – Mon 17 Apr  
 Bank Holiday Mon 01 May  
 Term break Mon 29 May – Fri 02 Jun 2017

**Term 5 begins** Mon 05 Jun – Fri 21 Jul

### TERM DATES 2017-2018 Academic Year

**Term 1 begins** Wed 30 Aug (Year 7)  
 Thur 31 Aug (Year 8-11)  
 Term break Thur 19 Oct - Fri 27 Oct 2017

**Term 2 begins** Mon 30 Oct - Fri 15 Dec  
 Term break Mon 18 Dec – Tue 02 Jan 2018

**Term 3 begins** Wed 03 Jan– Fri 09 Feb  
 Term break Mon 12 Feb – Fri 16 Feb 2018

**Term 4 begins** Mon 19 Feb – Fri 25 May  
 Easter break Thur 29 Mar – Fri 13 Apr 2018  
 Bank Holiday Mon 07 May 2018  
 Term break Mon 28 May – Fri 01 Jun 2018

**Term 5 begins** Mon 04 Jun – Fri 20 Jul

Please note the start date for Years 8-11 is Thursday 31 August 2017. The new Year 7 intake will begin on Wednesday 30 August 2017.



	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	Multi-choice menu
<b>1</b>	Chicken Flatbread Spanish Omelette with Salad	Mediterranean Fish Vegetable Lasagne	Chilli con Carne and Rice Open Vegetable Tart	Roast Turkey and Roast Potatoes Vegetable Curried Naan	Fish and Chips Pasta Bake	<b>MEAL DEAL</b> Choose a hot meal from Option 1 plus something from Options 2 or 5  Choose a soup from Option 2 plus something from Options 3 or 4 or 5  Choose a sandwich from Option 4 plus something from Options 2 or 5  Choose the Salad Bar option plus something from Options 2 or 5
	Pasta King Jacket Potato	Stone Baked Pizza Jacket Potato	Chicken Joe's Wrap Jacket Potato	Stone Baked Pizza Jacket Potato	Chicken Joe's Wrap Jacket Potato	
	Green Beans and Cauliflower	Baby Carrots and Parsley Potatoes	Peas and Sweetcorn	Carrots and Cabbage	Peas and Sweetcorn	
<b>2</b>	Lentil Soup	Vegetable Soup	Tomato and Basil Soup	Spiced Citrus Bean Soup	Leek and Potato Soup	
<b>3</b>	Salad Bar (small bowl with multi choice)					
<b>4</b>	Any sandwich (max price £1.50)					
<b>5</b>	Apple Crumble and Custard	Rice Pudding	Lemon Drizzle Cake and Custard	Carrot Cake and Orange Sauce	Fruit Cobbler and Custard	<b>DELI BAR</b> Freshly made to order each day
	Fresh Fruit Selection of small cold Desserts Selection of Cakes and Biscuits	Fresh Fruit Selection of small cold Desserts Selection of Cakes and Biscuits	Fresh Fruit Selection of small cold Desserts Selection of Cakes and Biscuits	Fresh Fruit Selection of small cold Desserts Selection of Cakes and Biscuits	Fresh Fruit Selection of small cold Desserts Selection of Cakes and Biscuits	

**Meal Deal (Option 1 + 2 or 5) £2.15 students/£2.36 staff Main Meal only £1.83 students/£2 staff**

Lunch rota for next week

1st sitting Year 11/7 — 1.05  
 3rd sitting Year 9 — 1.25

2nd sitting Year 8 — 1.15  
 4th sitting Year 10 — 1.35