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Ashcroft

23 March

2018

British Science Week



Last week the Academy celebrated British Science Week with a busy schedule of activities. Some highlights of the week included the 360 degree, immersive, planetarium experience which was provided by the outreach team at Imperial College. The Year 8 paper plane competition was a competitive and creative experience which was eventually won by Endeavour house who managed to fly an impressive total of 12 metres.

Our Year 12 scientists demonstrated some complex Science theory through fun busking demos and Year 7 students voted for the best busking team. Year 7 had an extra treat of an explosive Ever Wonder Why show in which Mr Malik showcased a number of exciting chemical reactions.

The week was a fantastic celebration of all of the scientific disciplines, and we look forward to British Science Week 2019.

The Science Team



Fundraising

In the coming weeks we will be holding two events with the aim of raising money for an environmental ecology project based in Indonesia. One of our former Ashcroft students Erin, will be assisting on this project as a research student.

Monday 26 March - There will be a bake sale taking place in the Auditorium during break time, with a selection of cakes and pastries on offer.

Wednesday 28 March - Will be a mufti day, so please be sure to bring your £1 donation with you to school.

Year 9 Parents' Evening Thursday 19th April 6pm – 8pm

Year 9 parents you are invited to meet with your son/daughter's teachers to discuss their progress and attainment within their GCSE/BTEC subjects. This will be a beneficial evening as you will be able to find out exactly how/what your son/daughter needs to do in order to improve.

Please, urge your children to book in appointment slots with their subject teachers as soon as possible.

Your son or daughter will receive their full reports shortly after the Easter break.

Ms Smith – Head of Year 9



26 Bake Sale

28 Mufti Day

To Celebrate International Women's Day and World Book Day, the LRC recently held a series of Competitions and quizzes. All students who entered will be awarded house points. The Entries were judged by Sixth form students.

The winner of the design a bookmark competition was Amelia 7T2. The Runner up was Viktoria 8T4. Both girls receive a prize and their bookmarks will be reproduced as part of our bookmark stock.

The World Book Quiz was won by Muskan 9T4 and Adam S 7T6 won the 'Guess which Staff are Reading' Competition.



The Winner of the Word-search was Halima 8T7. Rehnuma 10T7 won the Colour 8 competition and Fatima S 7T1 was runner up.

Mrs Morgan-Jones

Rowing Club

The rowing club continues to grow with the rowers making great progress. Often staff will stop by to see if they are up to the challenge of competing with the students. The favourite warm up game continues to be Monkey tag, or Packman chasings. The rowers completed a successful 20 minute session on Tuesday without experiencing too much fatigue. Well done rowers, you are doing a fantastic job. Hopefully it wont be long until we are on the water again.





The latest STEAM news below. The new rotations have commenced, so please ensure you go to the correct sessions and see Ms Khan if you need a lunch pass.

Year Group	Project Rotation	Teacher	Room
7	Geology Club	Miss Niklekaj	E311
8	Tournament of Minds	Miss Dowson & Ms Khan	E301
9	The Robots Are Coming!	Mr Haddleton	E310
10 & Sixth Form	STEAM Academia	Ms Khan & Various STEAM teachers	C210

Each project rotation will be for 4 weeks and you will then switch.
Please see Ms Khan in Science to collect your STEAM lunch passes!

STEAM's annual house competition, Tournament of Minds (ToM) has completed its Year 7 round and the entries for the space shoes for an astronaut to wear on Mars were phenomenal!

The different teams were very creative in assembling shoes made from recycled materials and thought carefully about their designs.

Our Sixth Form STEAM Ambassador judges had a real task of judging the different entries and made their decisions on which shoes demonstrated creativity, durability, innovation and application. Here are the top four Year 7 winners:

1st Place	300 House Points	Voyager: Mars One	Calum 7T7 Ralph 7T7 Freddie 7T7
2nd Place	200 House Points	Endeavour: Pink Leopards	Rosie 7T2 Maria 7T2 Amelia 7T2
3rd Place	100 House Points	Voyager: Duct Tape	Lazaro 7T7 Nicolas 7T7
4th Place	50 House Points	Discovery: Loading...	Isaac 7T1 Tino 7T4 Edward (Ned) 7T4

Well done to Voyager house for winning the Year 7 round of this house competition!

Ms Khan and Miss Dowson look forward to awarding the Year 7 winners their certificates and prizes in assembly.

The Year 7 winning entry is now through to the overall Ashcroft Final round, pitted against the winners from the other year group rounds.

Over in STEAM Academia, the Year 10 STEAM Academics and Sixth Form STEAM Ambassadors are inspired by the Years 7 and 9 rounds of the STEAM ToM house competition.

With such a mature and developed expertise among the more senior cohort, who are keen to outshine the winners so far, it will be interesting to see what types of space shoe designs are produced.

Good luck, all!

Here's the current scoreboard from the STEAM ToM house competition so far, after adding in the Year 9 and Year 7 results:



Here's the current scoreboard from the STEAM ToM house competition so far, after adding in the Year 9 and Year 7 results:

House	Current Score
Challenger	0
Discovery	100
Endeavour	800
Voyager	800

Endeavour and Voyager houses both look STRONG, Discovery have amassed some points and Challenger still have some catching up to do anything can happen in the big final!

Which house will ultimately be crowned Ashcroft's STEAM ToM Winner? It's a nail biting finale, indeed!

Special British Science Week Event – As a special feature to British Science Week, Ms Khan will be holding a national competition – the Biology Challenge 2018. STEAM, Honours and any other students are invited to register for this challenge and try to achieve a national ranking for their Biology knowledge by completing an online assessment. There will be year group rounds happening on the following Fridays and we are excited to see how our Ashcroft students do in their national ranking. Mega house points and Gold, Silver and Bronze award certificates to be won! Don't miss out!

BRITISH SCIENCE WEEK 2018

Biology Challenge 2018
 Years 8, 9 & 10 Rounds
 3:15-4:15pm in C301 with Ms Khan
 on the following Fridays

Royal Society of Biology
 Registered Charity No. 277981
 Incorporated by Royal Charter

Year Group	Date
8	Friday, 9 th March 2018
9	Friday, 16 th March 2018
10	Friday, 23 rd March 2018

BIOLOGY CHALLENGE 2018

Take on this challenge to complete two 25-minute online Biology papers and earn a national ranking. Gold, Silver and Bronze certificates, mega house points and prizes to win!
 Results of national ranking will be released after 26th March 2018.
 Open to STEAM and Honours students, and any other students who may be interested.

Please see Ms Khan and write your name on the sign up sheet outside the Science Office door to register.

Well done, STEAMmies and STEAM Academics! Looking forward to more STEAM-azing sessions next week!



Year 9 Drama

Well done to 9Y Drama. Yesterday they performed their scenes from the play Blood Brothers, which they had been working on for the past 2 terms to an invited audience. We have been so impressed with the level of maturity and professionalism these young actors have displayed throughout the entirety of the process. All of the students should be extremely proud of themselves! What talented, imaginative, hardworking bunch of students they are! We can't wait to see what they will come up with next!

Performing Arts Department

British Physics Olympiad

We have won another gold medal at the British Physics Olympiad, this puts us on a hat trick but it is an unprecedented gold as Aya scored an astonishing 100% in her paper!

It was quite a rigorous paper and most of the pupils did not complete it in the allotted time, so this makes Aya's achievement even more remarkable.

Aya as part of her victory has received an invitation to train with the International Olympiad Squad for a long weekend at Oxford University. Congratulations to all of the students involved, please see the full results below.

Aya T2	Gold
Jaideep T7	Silver
Aryean T6	Bronze 1
Oliver T4	Bronze 1
Kafi T3	Bronze 1
Dominik T5	Bronze 2
Orla T6	Bronze 2
Max T4	Bronze 2

Humanities Honours Project by Vicky 8T7


For this term's Humanities Honours project, the Year 7s and 8s participated in Model UN which gave us insight into how worldwide issues are debated in the United Nations. For our project, we had three weeks to prepare for a UN meeting in which each country had to deliver a speech stating whether we were for or against a cap or a ban on nuclear power plants.

We were each paired with a partner and designated a country to research; we had to debate on behalf of the country we had been given based on our research into the country's views on nuclear power. The opinions on nuclear energy varied immensely between countries which made it an interesting debate and a new experience for all of us. This project helped us to build on our teamwork skills as well as our confidence and I would like to thank all of the members of staff who were able to make this happen: Miss Thompkins, Miss Faulkner-Lee, Mr Peck and the Sixth Formers for assisting us with our speeches.



KS3 MATHS BOX CHALLENGE

The circle of radius 4cm is divided into four congruent parts by arcs of radius 2cm as shown

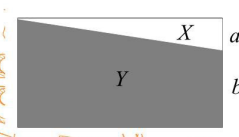


Q1 What is the length of the perimeter of one of the parts?

Use the green slips to submit your solutions in the post-box in the Maths corridor by Friday 23rd of March (break time).

KS4 MATHS BOX CHALLENGE

A rectangular piece of paper is cut into two pieces by a straight line passing through one corner, as shown.



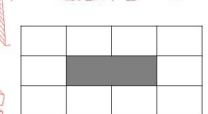
Q1 Given that the ratio of 'area X' : 'area Y' = 2 : 7, what is the value of ratio $a : b$?

Use the orange slips to submit your solutions in the post-box in the Maths corridor by Friday 23rd of March (break time).

This Week's Maths Box Challenge

KS5 MATHS BOX CHALLENGE

The numbers 1 to 10 are to be placed in the unshaded boxes, so that the two rows of four boxes and the two columns of three boxes have the same total, T.



Q1 a) Find a solution when $T=20$
b) Find the minimum possible value of T

Use the red slips to submit your solutions in the post-box in the Maths corridor by Friday 23rd of March (break time).



	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1	Chicken Jalfrezi Vegetable Moussaka	Chicken Chow Mein Vegetable Quiche	Pasta Bolognese with Garlic Bread Vegetable Chilli	Roast Chicken and Roast Potatoes Vegetable Shepherd's Pie	Fish Cake with Potato Wedges Macaroni Cheese
	Pasta King Jacket Potato	Stone Baked Pizza Jacket Potato	Chicken Joe's Wrap Jacket Potato	Pasta King Jacket Potato	Chicken Joe's Wrap Jacket Potato
	Sweetcorn and Carrots	Green Beans and Peas	Broccoli and Macedoine	Carrots and Cabbage	Salad and Peas/Sweetcorn
2	Carrot and Coriander Soup	Vegetable and Watercress Soup	Minestrone Soup	Red Pepper Soup	Vegetable Soup
3	Salad Bar (small bowl with multi choice)	Salad Bar (small bowl with multi choice)	Salad Bar (small bowl with multi choice)	Salad Bar (small bowl with multi choice)	Salad Bar (small bowl with multi choice)
4	Any sandwich (max price £1.50)	Any sandwich (max price £1.50)	Any sandwich (max price £1.50)	Any sandwich (max price £1.50)	Any sandwich (max price £1.50)
5	Fruit Jelly and Ice Cream	Marble Sponge with Chocolate Sauce	Fruit Salad	Pineapple Upside Down Sponge with Custard	Selection of Cold Desserts
	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	Selection of Cakes and Biscuits

Multi-choice menu

MEAL DEAL
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

DELI BAR
Freshly made to order each day

Meal Deal (Option 1 + 2 or 5) £2.25 students/£2.47 staff Main Meal only £1.95 students/£2.15 staff

