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The weekly STEAM feature

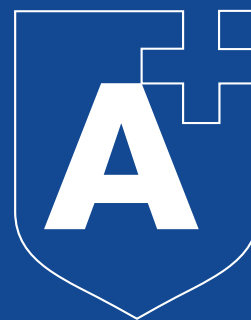
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Performing Arts news

Maths Quiz

UK Parliament Week

# Newsround



**Ashcroft**

12 January  
2018

## Sixth Form Exam Week 22-26 January 2018

Sixth Form students will be off-timetable for mock exams, week commencing Monday 22nd January. Students will still be expected to adhere to the Sixth Form dress code and they must sign in and sign out, when arriving and leaving the Academy. Students must arrive at least 15 minutes before the published exam time. Please see the exam timetable below.

Time	Length	Monday 22nd	Length	Tuesday 23rd	Length	Wednesday 24th	Length	Thursday 25th	Length	Friday 26th
8:30-11	105	Computing AS (E311)	90	Biology AS	90	Chemistry AS	135	English A2 P2	135	History A2 P3
	150	Computing A2 (E311)	120	Biology A2	120	Chemistry A2	105	RS AS P2	120	Geography AS P2
	120	Psychology A2	105	Politics AS	105	RS AS P1	120	RS A2 P3	120	Geography A2 P2
	120	IT A2 (1 clash)	90	Politics A2 P1	120	RS A2 P2	105	French AS Listening (E311)		
11:30-1	75	Business AS P1	90	Maths AS	90	Further Maths AS	90	Psychology AS	90	Further Maths A2 P2
	90	Business A2 P1	90	Maths A2	90	Further Maths A2 P1	90	Business A2 P2	90	Business A2 P3
	80	French AS	60	DT A2 P1	90	History AS P2			75	Business AS P2
					90	History A2 P2				
2-4:30	90	History AS P1	120	English AS	90	Sociology AS	90	Physics AS P2		
	135	History A2 P1	135	English A2 P1	120	Sociology A2	120	Physics A2 P2		
	120	Geography AS P1	120	RS A2 P1	90	Physics AS P1	90	Politics A2 P2		
	120	Geography A2 P1			120	Physics A2 P1	105	DT AS		
							90	DT A2 P2		



# Reminder - Year 8 Parents' Evening

This year's Year 8 Parents' Evening will take place on Thursday 18 January. Students can now begin to book appointments with their respective teachers. The evening will start at 6pm and finish at 8pm. We encourage all parents to attend as this is a fantastic opportunity to hear about your child's progress in a key year.

Mr Hockaday - Head of Year 8

# Christmas Showcase update

We can now confirm that we raised £501 for the charity 'Glass Door' at our annual Christmas Showcase. Thank you to everyone who donated!

The Performing Arts Department



# Social Media Class

This week Ashcroft was in contact with a Youtube superstar. Matt Harding was one of the first video makers to go viral on Youtube. In his video 'Where the hell is Matt?', Matt Harding travelled around the world and in every country that he visited, he danced! After watching his videos Mr. Barry's year 9 class wrote letters to the superstar, asking him amazing questions like 'what was it like to dance in Area 51?' or 'did you enjoy the food in Marakesh?'



Matt then took time out of his very busy schedule to send a 30-minute video where he answered most of the questions that the students had, directly. It was a brilliant opportunity for the class to learn more about how the videos were made and what needs to be done to be successful in today's world of social media. Well done class!



15 Ashcroft's Got Talent Auditions

18 Year 8 Parents' Evening

## Design & Technology

### Week 4 Sustainable design and materials

Sustainability and design are hugely important for our future! Some of you might be future designer and it will be your responsibility to design products that can change the way we live and have a positive impact on the planets resources!

**Role of a designer...**

**'The designer's job is to imagine the world not how it is, but how it should be'**

*Sir Terence Conran*

Chairs are commonly made out of plastic for example but is plastic a sustainable material?

Remember to check Show My Homework regularly for updates

## Spelling Bee Competition

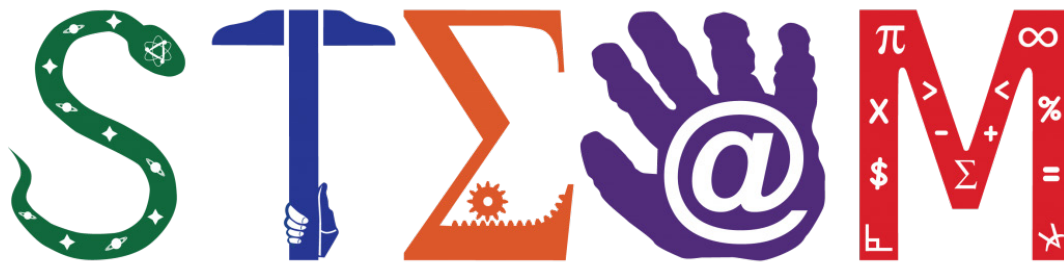
The Grand Final of the Spelling Bee competition took place this Tuesday, the 9th of January, in the Year 7 Assembly. Here are the 4 winners of the Spelling Bee competition.

- Adam Nali 7T5 - 4th place
- Rauls Gomins 7T6 - 3rd place
- Omar Hano 7T5 - 2nd place
- Tino D'ancona 7T4 - 1st place

A huge well done to all the participants, they have been brave to show their commitment to French and they have accumulated some valuable experience out of this.

The preparation for the competition has been done in several phases, over a period of 2 months, which means that the students have shown resilience and motivation towards learning the vocabulary. They will also benefit from this experience if they have signed up for the trip in France, which we are looking forward to.

Year 7 Spelling Bee Final 2018



STEAM is ready for a STEAM-tastic Term 3 at ATA with new project rotations to enjoy! Here's what we've been up to already in our new rotations

**STEAM**  
Science Technology Engineering Art Math

**Tuesday Lunch-Times 1:05-1:35pm**

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

**The Robots are Coming!** - with Mr Haddleton. Never fear, technology will save us... learn how to control our friendly defence Robots through Wi-Fi, Bluetooth and Code. We will solve problems using different coding languages and algorithms. You will need all of your skills from Maths, Science, DT and Computing



to prevent The Rise of the Robots! There is no time to lose! It was the inaugural Year 7 Robot Programming Club this week and Mr Haddleton showed all the STEAMmies short videos highlighting what each robot (Sphero, Jumpin' Max and Travis the Cargo Drone) are capable of. They were then asked to practice remote control of the Jumpin' Max robot. Showing remarkable dexterity the STEAMmies quickly mastered using the iPad controller to navigate around a complex floor course in the class-

room. Some were even able to make the robot jump to a target accurately by estimating jump distance and angle of ascent. Well done! Next week the challenges continue with the STEAMmies trying to program the robot cargo drone to take off and land safely onto a small target landing pad.

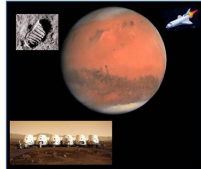


**Geology Club** – with Ms Niklekaj. The STEAMmies will delve into the world of rocks and uncover many interesting facts about how rocks are formed, how they change and what we can learn about planet Earth through our studies of rocks. Year 8 STEAMmies started this rotation with looking at some beautiful rocks

from different regions of Albania, which is Ms Niklekaj's home region. The STEAMmies worked together to put the rocks in different groups based on their colour, habit, lustre and cleavage.

**STEAM Annual House Competition - Tournament of Minds (ToM) 2018**

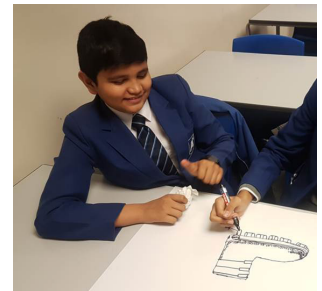
Are you ready to take on the challenge? Competition open to STEAM and non-STEAM students. Deadline for Year 9 entries is Tuesday, 30<sup>th</sup> January 2018. See Ms Khan/Ms Dowson to enter.



With human missions to Mars looking more and more likely, the year's STEAM ToM challenge scenario is to design and create a shoe for an astronaut to wear on Mars. 1<sup>st</sup> place – 300 house points 2<sup>nd</sup> place – 200 house points 3<sup>rd</sup> place – 100 house points Special prizes and certificates will be awarded too! Further information will be released in the STEAM Tuesday sessions.

**Tournament of Minds (ToM)** – Ms Dowson and Ms Khan will kickstart the annual STEAM House Competition. House teams will be pitted against one another to solve a challenge scenario and showcase their innovative STEAM skills. This year's challenge scenario is to design a pair of shoes for an astronaut for a mission

to Mars. Each Year group will complete a rotation of ToM during which they will plan and create their designs. Good luck! The first ToM rotation began with the Year 9 STEAMmies, who were very excited when the challenge scenario was revealed. The Year 9 STEAMmies will have 4 weeks to complete their competition entry and it's very exciting to see what they produce.



**STEAM Academia & Sixth Form STEAM Ambassadors Programme** - More fascinating STEAM Academia sessions and workshops planned for Term 3. Lots of new knowledge will be learned and important STEAM skills further developed. This week, the Year 10 & Sixth Form Ambassadors joined Ms Khan to welcome back ex-students - Kimberley Carstens and Nazeema Ishmaeel, who were Head STEAM Ambassadors during their Years 12-13 at ATA and are now at university. Kimberley is studying Economics at Durham University, while Nazeema is studying Foundation Engineering and Physical Sciences later to be Aerospace Engineering at the University of Nottingham. Both guests presented about their STEAM background which started at ATA two years ago and they explained how it has benefitted their transition into higher level STEAM at university. Their presentation included reflective advice for applying for university courses, how to settle into undergraduate routines, how to make the right career choices and all the amazing opportunities that open up as a result of pursuing STEAM. With interesting Q&A that followed, our STEAM Academia cohort found themselves inspired and motivated. At ATA, we are all very proud of our "home-grown" STEAM talent!



Well done, everyone! Looking forward to more STEAM-azing sessions next week!



Ms Khan



## UK Parliament Week

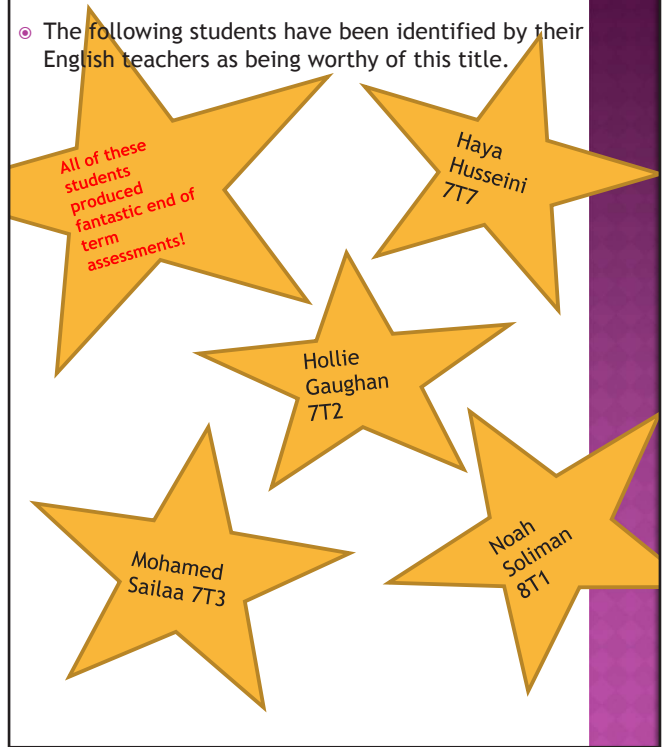
This week we received a certificate from Parliament thanking us for our participation in UK Parliament Week. The letter was signed by Speaker of parliament, Rt. Hon. John Bercow and Lord Speaker, Rt. Hon. Lord Fowler. The students took part in classes, debates and quizzes and learnt a lot about the role Parliament and MPs play in our society.

UK Parliament Week will take place this year between 12-18 November 2018 and we hope to see a great number of students involved once again.

Ms Alidu

## KS3 ENGLISH STUDENTS OF THE FORTNIGHT!

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



## Can you complete these Maths Box Challenge Questions?

### KS4 MATHS BOX CHALLENGE

**Q1** Five square tiles are put together side by side. A quarter circle is drawn on each tile to make a continuous curve as shown. Each of the smallest squares has side length 1. What is the total length of the curve?

Use the orange slips to submit your solutions in the post-box in the Maths corridor by Friday 19<sup>th</sup> of January (break time).

### KS3 MATHS BOX CHALLENGE

A palindromic number is one which reads the same when its digits are reversed, for example 23 832

**Q1** What is the largest six-digit palindromic number which is exactly divisible by 15?

17371

Use the green slips to submit your solutions in the post-box in the Maths corridor by Friday 19<sup>th</sup> of January (break time).

### KS5 MATHS BOX CHALLENGE

**Q1** Three chords are drawn in a circle to create seven regions, as shown. The numbers from 1 to 7 are to be placed, one in each region, so that, for each chord, the total of the numbers in the circle on one side of the chord is equal to the total of the numbers on the other side.

How many possible values are there for the number  $x$  central region?

Use the red slips to submit your solutions in the post-box in the Maths corridor by Friday 19<sup>th</sup> of January (break time).

# PERFORMING ARTS DEPARTMENT



**Coming up...**

## ASHCROFT'S GOT TALENT 2018!

Are you a musician, actor, dancer, magician or comedian?

Do you have a special talent that no one knows about?

Do you want to win 500 points for your house?

Ashcroft's Got Talent will be taking place in February with auditions on Monday 15<sup>th</sup> January at 3:15pm (KS3) and 4:30pm (KS5).

**CHANGE OF AUDITION DATE!**

**Praise & Reward**

## MUSICIAN OF THE MONTH



**STUDENT:** Lalou Laredo 10T1

**MONTH:** Dec



**Praise & Reward**

## In The Spotlight

In the spotlight this month...



**Amina Riamah 10T4**

...for outstanding effort and contribution to Performing Arts.

**Praise & Reward**

## KS3 SHINING STAR

**MONTH:** Dec

Music Student:



**Amelie Archer 7T4**

Drama Student:



**Spencer Martin 8T1**

## MEXICAN THEME DAY

THURSDAY 18TH JANUARY  
ASHCROFT TECHNOLOGY ACADEMY

### OPTIONS

<b>PERI PERI CHICKEN SKEWER</b> served on a bed of refried beans and Rice	<b>MEXICAN CHICKEN JOE WRAPS</b>
<b>CHILLI CON CARNE AND RICE</b>	<b>SALAD BAR</b> will include Guacamole, Salsa & Jalapeno dishes
<b>VEGETARIAN BURRITO</b>	<b>NACHOS</b> with various dips
<b>SMOKEY CAULIFLOWER CHEESE</b>	<b>SELECTION OF COLD SANDWICHES</b>
	<b>SELECTION OF FRUIT, CAKES &amp; BISCUITS</b>

**MEAL DEAL - £2.25 STUDENTS/£2.47 STAFF**

**MAIN MEAL - £1.95 STUDENTS/£2.15 STAFF**



**£1 ENTRY FEE**

## London Mini Marathon Trials 2018

Sign up to the London Mini Marathon trials for your chance to be part of Team Wandsworth and run the last 5km of the London Marathon Route.

To be eligible you must either live, go to school or have been born in the borough of Wandsworth.

**Millennium Arena  
Battersea Park SW11  
Sunday 4 February 2018**

- under 13s
- under 15s
- under 17s
- there's also an under 11s 2km Fun Run

For more information call (020) 8871 6857 or email [mdoherty@wandsworth.gov.uk](mailto:mdoherty@wandsworth.gov.uk)

Download the entry form at [www.enablelc.org/minimarathon](http://www.enablelc.org/minimarathon)



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