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# Newsround



**Ashcroft**

09 February  
**2018**

## Sixth Form Art Exhibition

A massive well done to Ana-Eva in Year 13 for her excellent exhibition last night. She exhibited ten pieces of work on her chosen theme of Nature and Texture, in what was her final exhibition as part of the Visual Arts IB course.

The exhibition, which also included work from Fae in Year 12, was extremely well attended and it was especially pleasing to see the large number of Sixth Form students who came to show their support for their peers.

Congratulations to Ana-Eva and Fae on your outstanding work.



# ATA Horticultural Society

It is remarkable what the enthusiasm of one individual can enable. ATA Horticultural Society has kept operating on a weekly basis due to the keenness of Adrian 7T2 despite the rain and recent cold, real winter weather. Consequently, we have been able to maintain the garden well.

Activities have included weeding and adding compost to the planting beds ready for planting with strawberries and vegetables next month. We have made an early start with planting potatoes and spinach outdoors. Less hardy plants such as Cima di Rapa, which is a type of broccoli and carrots have been started off indoors thanks to the warm environment in the Science office.

After half term, activities planned include rebuilding our "bee hotel" (pictured) so we can encourage pollinating bees to remain on site and lay their eggs in the hollow bamboo stems, giving us a more diverse ecosystem. The main planting work will also ideally be possible in

February/March, if the weather is warmer. Therefore, we will have room for a couple more members, along with Matas Bublys 7T1. We aim to grow tomatoes alongside our broad beans in the greenhouse which will hopefully produce enough to share in the staffroom. Meanwhile, look out for the flowering bulbs, which should appear soon!



# 19

Return from  
Half Term

# 22

DT Technology Day

## Jack Petchey Speak Out Challenge

This week we held the Ashcroft finals for the Jack Petchey Speak Out competition. After weeks of determined practice and rehearsals, the following students stood up in front of the whole of Year 10 and delivered their powerful speeches. Discussing issues such as overcoming failure, choosing your future, the achievements of Arnold Schwarzenegger and even how we are all unicorns! Well done to these year 10's for their excellent performances:

- Boris 10T2
- Chelsea 10T5
- Isla 10T7
- Fatema 10T5
- Kyle 10T7
- Maheen 10T3




Jack Petchey's  
**"SPEAK OUT"**  
Challenge!

A special congratulations goes to Chelsea and Fatema who will now go on to represent Ashcroft in the Wandsworth regional finals of the competition at St. Cecilia's School on the 1st March. Here they will have the chance of winning £100 for themselves if they place in the top 3, but also the opportunity to go through to the national finals where they stand the chance of winning £2,000 for themselves and £3,000 for the school. Good luck to them in the future!





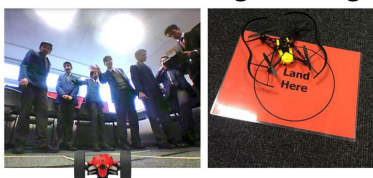
The latest STEAM news below and what a STEAM-tastic week it's been at ATA! The second rotations round has commenced as shown on the STEAM schedule below:

<div>  </div>			
<div>Tuesday Lunch-Times 1:05-1:35pm</div>			
Year Group	Project Rotation	Teacher	Room
7	Tournament of Minds - Annual STEAM House Competition	Miss Dowson & Ms Khan	E301
8	The Robots Are Coming!	Mr Haddleton	E310
9	Geology Club	Miss Niklekaj	E311
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. It was the first week of the Year 8 rotation and a re-acquaintance task was needed so that the Year 8 STEAMmies could remember the robot names! Two teams were formed, each assigned to one robot. The Travis drone team had to quickly remember how to fly the drone accurately to land on the target – a task that a number of them completed first time! The other team were given Jumpin' Max to program to move in and make geometric shapes. However, they forgot that Travis has a video camera recording their every move! Next time the STEAMmies will learn to programme the flying drone to perform aerial stunts whilst understanding some physics too!




## Year 8 Robot Programming



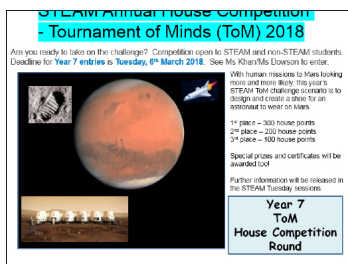
## Geology Club – with Ms Niklekaj.

This week, the STEAMmies discussed how much they already know about rocks from their Geography and Science lessons, and managed to identify and describe the rock types: igneous, sedimentary and metamorphic. The STEAMmies enjoyed viewing the rock collection, particularly the colour and crystal formations observed in the rocks. Next week, they will investigate the hardness and lustre of rocks.

### Types of Rocks

METAMORPHIC ROCKS	IGNEOUS ROCKS	SEDIMENTARY ROCKS
		
<p>METAMORPHIC ROCKS ARE FORMED WHEN THE PREVIOUSLY FORMED ROCK CHANGES INTO ANOTHER TYPE OF ROCK DUE TO HEAT AND PRESSURE.</p>	<p>IGNEOUS ROCKS ARE FORMED WHEN MAGMA COOLS AND BECOMES SOLID.</p>	<p>SEDIMENTARY ROCKS ARE MADE OF SEDIMENTARY MATERIALS THAT ARE LAYERED AND CLAYED AND ARE USED TO BUILD UP THE SURFACE OF THE EARTH.</p>

**Tournament of Minds (ToM)** – with Ms Dowd  
Year 9 entry results are in! The challenge scenario was to design and create space shoes for an astronaut to wear on a mission to Mars. Some resources were provided and some resources the teams put together themselves. For four weeks, at Tuesday lunch-times and in their own time at home too, the students worked in their house teams to research, problem solve, design, trial, develop and apply their STEAM skills into creating their space shoe designs.



Here are the top four Year 9 entries, as judged by our 6th Form STEAM Ambassadors:

1st Place	300 house points	Endeavour House: Zohaa Sheikh 9T6 Sanskriti Mamgain 9T6 Anastasia Champagne 9T2
2nd Place	200 house points	Endeavour House: Eibhin Faith 9T2 Marta Carli 9T2 Hannah Colwell 9T2
3rd Place	100 house points	Endeavour House: Sujal Patel 9T2 Safian Sheikh 9T2 Sharmake Khalif Shire 9T2
4th Place	50 house points	Discovery House: Muskan Sheikh 9T4 Sarah Elmer 9T4 Huda Ahmed 9T4



Endeavour certainly stormed through as a formidable force in the Year 9 round, amassing a grand total of 600 House Points! The Year 7 round has commenced this week and it will be exciting to see who will claim the 1st place winning spot in the Year 7 final in 4 weeks' time! Will it be Endeavour again or will one of the other houses claim top spot? After all the year rounds are completed, a grand final overall ATA STEAM ToM winner will be announced!

**STEAM Academia & Sixth Form STEAM Ambassadors Programme** - This week's session with Dr Brickley the STEAM Academics attended a session on DNA structure, function and sequencing. They examined the molecular structure of DNA in the context of it being a polymer molecule with hydrophilic and hydrophobic parts, which resides in the cell nucleus in an aqueous (water-based) environment. A model of DNA was made from a card template by each student. The model demonstrated the three dimensional structure of DNA as a double helix which is twisted to ensure that water cannot enter or interfere with the integrity of the Academics!



Well done, STEAMmies and STEAM Academics! Looking forward to more STEAM-tastic sessions after the term break!

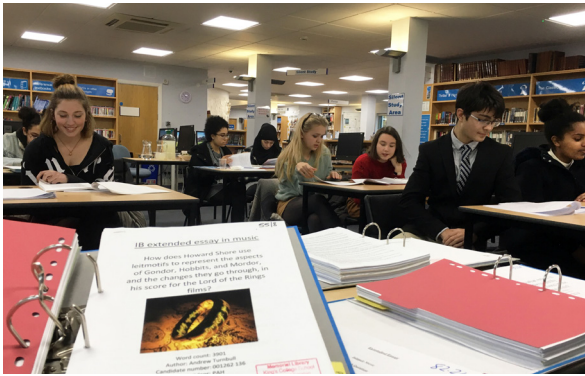
Ms Khan

# Year 12 IB Trip to Kings College, Wimbledon

Our Year 12IB students visited Kings College School, Wimbledon last Friday to visit their library and view exemplars of Extended Essays; writing an essay of their own choice being part of their IB Diploma. Mark Allen, the Head of IB Diploma for the school, delivered a spirited presentation on the subject which the students found really useful in enabling them to gain an insight into writing a 4000 word essay. Our LRC Manager Susan Morgan Jones and Kings librarians, Barbara Ferramosca and Hilary Mavin were also on hand to help them access essays written by Kings students and research possible topics for their own Essay which they will be undertaking in the near future. They returned to Ashcroft full of enthusiasm and eager to start their research and we are looking forward to some interesting essay topics, inspired by their Kings visit in the near future.

### Photographs show:

Mark Allen Head of IB Diploma delivers an EE presentation in the Senior School Library.  
Ashcroft students researching Extended Essays by students at Kings College School, Wimbledon.



# Ashcroft's Got Talent 2018

On Tuesday 6th February twelve acts from four houses performed for a panel of judges in a bid to be crowned the winner of Ashcroft's Got Talent 2018. The audience were very enthusiastic about the performances and enjoyed dance, vocal performances, a piano medley and a mime act. After much deliberation from the judging panel the following acts were awarded:

**1st place: Joshua and Jessica (Challenger)**

**2nd place: Safa (Discovery)**

**3rd place: Michael (Discovery)**

**Principal's Favourite: Hope (Discovery)**

Well done to all the contestants – a fantastic evening of performances!

Performing Arts Department

