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# Newsround



**Ashcroft**

23 February  
2018

## Ski Trip 2018

During the February holiday a number of students visited Bardonecchia, Italy as part of the annual Ski Trip. The conditions were excellent and the behaviour throughout the week was outstanding.

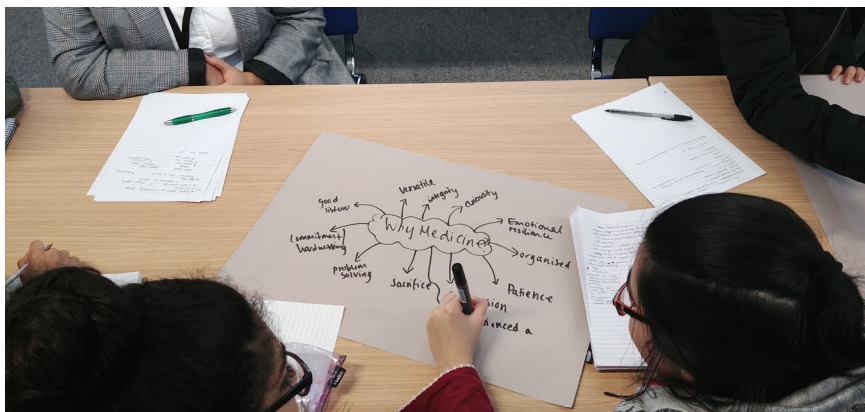
The students were resilient to the challenges of learning a new sport and students who had no skiing experience prior to the trip, were racing down the mountain by the end of the week.

Miss Griffiths would like to thank the students for embracing the trip and for representing the Academy in a positive manner. Watch this space for announcements on the 2019 ski trip!



## Medical Society

The Medical Society was incredibly fortunate to have Kayani Kayani – a 5th year Medical student at the University of Cambridge and childhood friend of Mr Siddiqi – visit ATA on the last day of term. Kayani gave an detailed talk to 15 aspiring medics in Year 12 on the challenges of studying Medicine, the process of applying for Medicine, what work experience is desired by universities, how to tackle medical ethics questions and how to perform well in interviews. Students undertook a group exercise in which they thought deeply about why they wanted to study medicine, with responses ranging from being able to help people, emotional resilience to simply a passion for science. The talk was highly successful with the students gaining an invaluable amount of knowledge from someone who went through the process only a few years ago.



**26** Year 9 Imperial War Museum Trip

**27** Honours Trip - BP Learning Centre

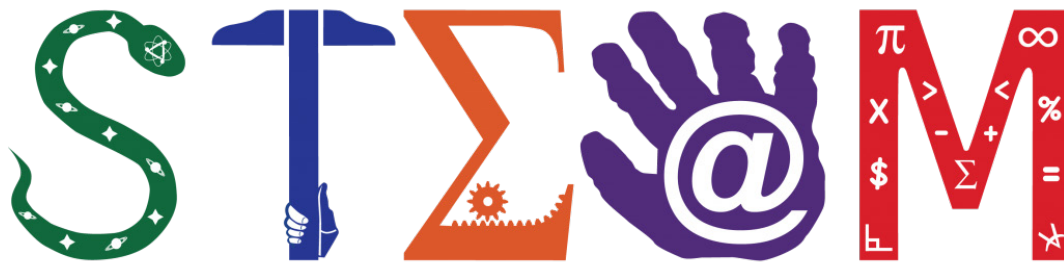
## Technology Day

On Thursday, we launched our first ever technology day at Ashcroft Technology Academy with Year 8 students. The whole year group were arranged into teams of 6 in the auditorium to take part in a live design challenge. Students were given the brief and user profile in December during their assembly and then sent subsequent research activities every week to prepare them for the day. During the day they had to work together to design and make a scale model of a chair for a specific user (one of our 6th form students). We also had visiting designers from industry come in to talk to students about the design process and the breadth and depth involved in a career in the design industry.

Students had to apply their D&T, Maths and Science skills throughout the day to ensure that they achieved the accurate scale, a solid and ergonomic structure but also met the needs of the user, I am delighted that they exceeded our expectations and even our visiting designers were really impressed with the range of ideas and models across the year group.

A great day was had by all and this was largely down to the effort and engagement from all students involved. A big well done to all of Year 8, I am looking forward to our next one!





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.

# STEAM

Science Technology Engineering Art Math

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

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. The STEAMmies competed in pairs against each other as a practice run for the ultimate accolade of being the Robot Club Drone Pilot Champions. The pairs had to choose whether to pilot Jumpin' Max over a twisting maze made from classroom desks or pilot Travis the drone over a 3D obstacle course as fast and accurately as possible. There were risks a-plenty, with dangerous jumps to be made in the maze and height flying limits for Travis. Year 8 rose to the challenge and proved they could program the robots very professionally. There was even time at the end for a couple of dronesies! - Tune in next week to find out who will win and become Year 8 Drone Pilot Champions!



**Geology Club - with Ms Niklekaj.** This week, Year 9 STEAMmies looked at different way of describing rocks, something geologists have to take into account to decide on the type of the rock/mineral. They looked at crystal structure and how it varies from one mineral to another, tenacity, how the particles of a mineral hold together and odour. Most minerals have

no odour unless they are acted upon in one of the following ways - heated, rubbed, moistened or breathed upon. Interestingly, only soluble minerals have taste, e.g Halite! Once again, they young geologists were very enthusiastic and keen to learn more. Mrs Niklekaj is very impressed with them all.

**Tournament of Minds (ToM) - with Ms Dowson.** The Year 7 STEAMmies are going from strength to strength producing some fantastic design features for their space shoes. One team have added leopard print material to the inside of their shoe for warmth and fashion sense and changed the outside to a hot pink colour. Another team have covered their shoe design in aluminium foil for insulation and warmth. The Year 7 competition round is certainly getting fierce! Year 7 entries are due in two weeks' time. Good luck, everyone!



## 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 7 entries is Tuesday, 6<sup>th</sup> March 2018. See Ms Khan/Ms Dowson to enter.

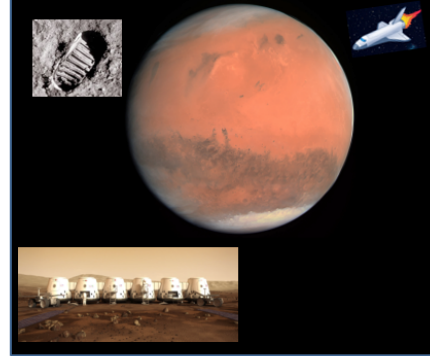
With human missions to Mars looking more and more likely, this year's STEAM ToM challenge scenario is to design and create a shoe for an astronaut to wear on Mars.

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.

**Year 7 ToM House Competition Round**



**STEAM Academia & Sixth Form STEAM Ambassadors Programme**  
- Ms Khan introduced the Year 10 STEAM Academics and Sixth Form STEAM Ambassadors to their round of STEAM's Annual House Competition, Tournament of Minds (ToM), with valuable house points and special prizes to be won. This year's challenge scenario is to design and create shoes that an astronaut can wear on a mission to Mars. Consideration of special factors, such as climate on Mars and usage of the shoes, will play a key role in determining which house produces a winning prototype. The deadline for STEAM Academia entries in Tuesday, 27<sup>th</sup> March 2018 and with such a lot of STEAM expertise nourished within our elder students (many of whom have been in STEAM since they were in Year 7!), we look forward to judging their finished designs! Full STEAM ahead!

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

**STEAM Academia ToM House Competition 2018**

1<sup>st</sup> place - 300 house points  
2<sup>nd</sup> place - 200 house points  
3<sup>rd</sup> place - 100 house points



# Intermediate Maths Challenge

Congratulations to the KS4 students who participated in the Intermediate Maths Challenge last term. There were some really good results with 95 students overall gaining a certificate and 12 individuals achieving a gold certificate which is great work!

A special mention goes to Redouane (Y11), Muhsin (Y10) and Pete (Y9) for gaining the top scores in their year.

Mr Carroll



	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	<b>Multi-choice menu</b> <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
<b>1</b>	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	
<b>2</b>	Carrot and Coriander Soup	Vegetable and Watercress Soup	Minestrone Soup	Red Pepper Soup	Vegetable Soup	
<b>3</b>	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)	
<b>4</b>	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)	
<b>5</b>	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	



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

