



Science Technology Engineering Art Math

Welcome to ATA's STEAM Newsround! This week in STEAM

The second rotation of this carousel was completed this week and next week the STEAMmies will commence their third and final rotation before they move on to the next carousel of STEAM projects. Please see below:

STEAM

Science Technology Engineering Art Math

2018-2019

Year Group	Project Rotation	Teacher	Room
7	Mega Maths	Ms Niklekaj	E301
8	Pinhole Camera	Miss Peterson & Miss Ohene-Odame	E310
9	Robotic Programming	Mr Haddleton	Art room E110
10	STEAM Academia - MFL Project	Miss Tran	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!

Meanwhile, the latest news in STEAM

Robotic Programming Club – with Mr Haddleton - It was finally competition week in Robotic Programming Club. Energy and anticipation was high, with all Year 8 STEAMmies wanting to do their very best. To win in their teams, they had to pilot Travis (the drone) over a 3D obstacle course in the air, and land him accurately on his landing pad. Then they had to pilot Max (the jumping robot) as fast as possible through a maze and then make him jump up to smash through as many pins as possible. The quality of robot control was excellent but there could be only one winning team - pictured. Well done to all involved. Mr Haddleton was so impressed with your exceptional dexterity and skill.



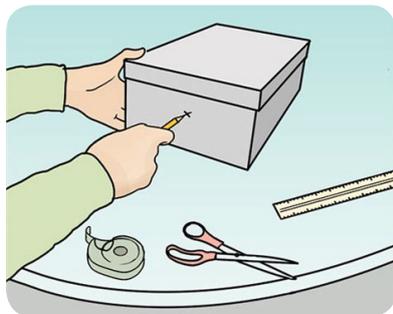


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Mega Maths Club – with Ms Niklekaj - In this session, the Year 9 STEAMmies made aeroplane papers. This sounds easy, right! But it was not! They had to think as young engineers, starting by designing their aeroplanes and discussing why some planes fly further and higher. Then using only a sheet of A4 paper and a paper clip the STEAMmies set about on their task. Their designs were brilliant and we had some very good paper aeroplanes built! Very impressive!



Pinhole Camera Club – with Miss Peterson and Miss Ohene-Odame - The Year 7 STEAMmies finished creating their cameras by using pieces of aluminium with pinholes to create their 'shutters' used the darkroom to put light sensitive photo paper into their cameras before experimenting with exposure time when taking their pictures. Our best guess was a 13 second exposure. Later this week, keen STEAMmies joined Miss Peterson in developing their photographs in the various chemical baths in the darkroom. Their photos are being prepared and will be published in the next STEAM Newsround.



STEAM Academia – with Ms Khan, Mr Moloney & Mr Mensah – Our guest speaker, astrophysicist Chris Joly, joined us for a second time to talk about

exploring other planets in the search for intelligent life in our solar system and the Milky Way. Finding even the simplest forms of life, it turns out, has proven to be quite difficult. The STEAM Academics were given an exciting account of all the missions to Mars, both failures and triumphs, and an inkling of what they hope to find there. The STEAMmies were then asked to predict the likelihood of intelligent life in the universe using something called the “Drake Equation”.

6th Form STEAM Ambassadors Programme – with Mr Sellars – Our 6th form STEAM Ambassadors have continued to be a tremendous leading support to the KS3 STEAM Clubs and KS4 STEAM Academia. They have continued to explore career pathways in the various STEM/STEAM industries with Mr Sellars, in line with their own career aspirations. We look forward to the next generation of Ashcroft Technology Academy’s very own STEAM experts!



Absolutely STEAM-azing, STEAMmies! You’re all STEAM-tastic!

Ms Khan
STEAM Coordinator
Ashcroft Technology
Academy

