

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

Please see below for current project rotations:

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

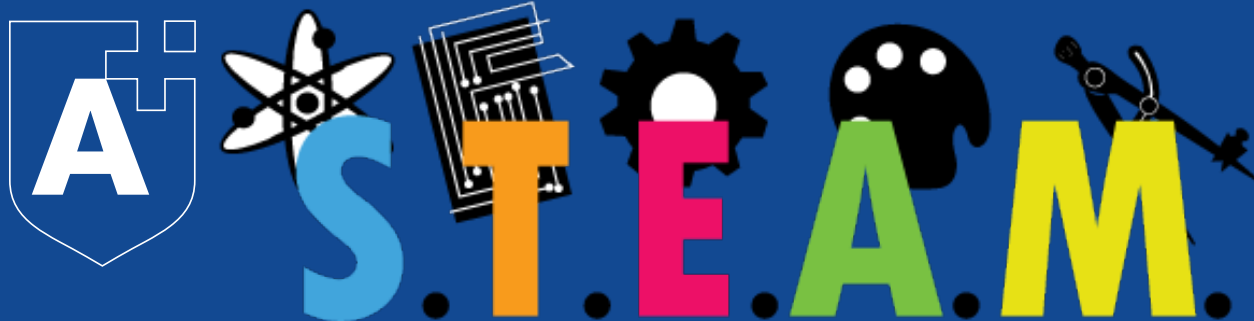
- Year 9 STEAMmies were informed of the Robot Challenge competition this week. In teams they will have to complete a difficult robot control task



with all 3 robots to win! Everyone was keen to practice with all of the robots. Travis, the flying robot proved very popular again with many teams negotiating the aerial obstacle course and trying to land in the correct location - very difficult! Cozmo had learned some new moves and games since last week and the students were keen to beat him at the new games. Some teams did, but not all! Next will be the competition heats - who will emerge as early leaders?

Mega Maths Club – with Ms Niklekaj - Year 7

STEAMmies looked at the mathematical modelling process and attempted to solve a global epidemic spread by identifying the source. They used Lego bricks to model the spreading pathogen within a population and discovered the importance of herd



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immunity also. Great Maths and Science collaborative skills in full action for this!



Pinhole Camera Club – with Miss Peterson and Miss Ohene-Odame - Year 8 STEAMmies finished learning about the technique of the pinhole camera and completed painting their very own pinhole cameras. They are now ready to take their first official photographs and are very excited at what the results will be!



STEAM Academia – with Miss Tran – Year 10

STEAM Academics have started their Languages based project rotation and considered whether languages craft the way we see the world. They summarised and explained how different civilisations used numbers and even wrote their own dates using the ancient Cham language!



They then came up with wonderful architectural projects and their creativity allowed them to overcome the obstacle of having some 'taboo' words that they were not allowed to use in the process. We are very excited to see how their language skills develop in the sessions coming up!

6th Form STEAM Ambassadors Programme – with Mr Sellars

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 and look ready to inspire aspiration in the next generation of STEM/STEAM as they will commence planning and delivering their own STEAM Club rotations soon also!

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

Ms Khan

STEAM Coordinator – Ashcroft Technology Academy