



Science Technology Engineering Art Math

Welcome to ATA's STEAM Newsround! This week in STEAM, the new carousel of project rotations commenced.



## STEAM Science Technology Engineering Art Math 2018-2019

Year Group	Project Rotation	Teacher	Room
7	Computers Club	Mr Cook	C210
8	Business & Finance Club	Mr Siddiqi	C301
9	DNA Club	Miss Mann	C209
10	STEAM Academia	Mr Maloney & Mr Mensah	C207

Each project rotation will be for 4 weeks and you will then switch. There are lots of different project rotations to look forward to this year!  
*Please see Ms Khan in Science to collect your STEAM lunch passes!*

### Meanwhile, the latest news in STEAM .....

**Computers Club – with Mr Cook** - This week Year 7 STEAMmies started looking at how do computers work. They were tasked with transmitted messages to each other without using language or complicated gestures, then after some time students arrived binary encoding or Morse code. They then learned how to use and translate international Morse code



and managed to send multiple words to each other just using dots and dashes!

**Business & Finance Club – with Mr Siddiqi** - The Year 8 STEAMmies were introduced to the stock market. Following an explanation of how people are able to purchase shares in companies such as Apple and Tesla to make a profit in the future, the STEAMmies chose their own selection of shares in a range of industries from oil to communications. They have now invested £20 each in their selection of businesses, and will next put forward the first scenario under which the value of different businesses will increase or decrease, resulting in some STEAMmies to make a profit, and some a loss in their first investment week

**DNA Club – with Miss Mann** – The Year 9 STEAMmies discussed how science is not just one person



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and their amazing idea that come out of nowhere but that scientists work on the ideas of others to make progress. They directly related this to the development of the structure of DNA from Mendel to Watson and Crick. They then started to create a timeline on all of the different stages of the discovery of DNA..



**STEAM Academia – with Mr Mensah – Year 10**  
STEAM Academics learned about the ‘The Power of Imagination’. They discussed how different people who dared to imagine in the course of the human endeavour changed the course of history. They looked at the discovery of the telephone by Alexander Graham Bell and the breaking of the enigma code by Alan Turing, as well as how Elon Musk’s first principle approach was able to build the incredible Space X.

**6th Form STEAM Ambassadors Programme – with Mr Sellars** – The STEAM Ambassadors started the next stage of their STEAM development this week. They were introduced to the aim of delivering their

own STEAM club and their task was to come up with ideas for discussion and potential delivery. They looked at careers being advertised by the Institute of Engineers and learned about the variety of roles and the ranges of pay available. This prompted discussion on what the STEAM Ambassadors wanted to do and how they would start going about this by applying for relevant courses at University. They also discussed Mr Sellars’ prior career choice as a case history of how STEM subjects are helpful in Project Management in a telecoms environment. Mr Sellars is very much looking forward to further exploring the ideas put forward by the STEAM Ambassadors.

What a fantastic start to the new carousel for everyone! Absolutely STEAM-tastic, STEAMmies!



**Ms Khan**  
**STEAM Coordinator**  
**Ashcroft Technology Academy**