

SCIENCE • TECHNOLOGY • ENGINEERING • MATHEMATICS

Autumn Term 2016 newsletter



STEM Club

This year STEM Club has been extended to include year 7 pupils as well as year 8.

The year has started with STEM club members developing ideas and experiments for the BP Ultimate STEM Challenge competition. The challenges have involved looking at either rockets or aeroplanes and improving efficiency—things have been flying around the labs! The final entries will have to be completed by the early January. We hope to follow in the footsteps of last years Bredon Hill entrants and make it to the final, maybe even win!

STEM club runs every Friday lunch time from 12:10 until 12:40:

- Year 8—laboratory 1
- Year 7—laboratory 2



Last year's team at the final of the BP Ultimate STEM Challenge at the Science Museum London.



Mr Bailey and Mrs Huntly

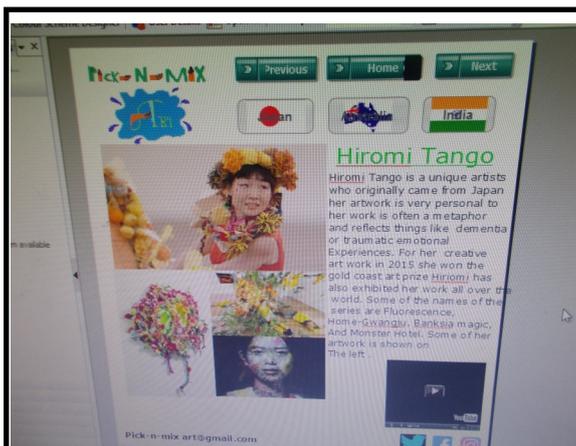
STEM Ambassador - BP Challenge support

The STEM club pupils have been lucky enough to have received input from Mr John Pooley.

Mr Pooley has an engineering background and works in industry. He has given up his time on two occasions to support the STEM club pupils with their BP Challenge competition entries. His support has been much appreciated by the pupils and myself.



Mrs Huntly



Computing - enrichment

In computing we had to create a music video for one of our favourite songs, we create a music video for the song Blue Wrath by 'I Monster' in which we use cinematography skills coupled with our editing skills to create our video.

- Jacob And George

Coding Club

Every Friday, the Mathematics department run a coding club aimed for all ages. This year, the coding club have been taking part in the National Cipher Challenge; a nationwide, online code breaking competition run by the University of Southampton. Students have worked extremely well throughout this competition and have enjoyed creating their own cipher wheels to decode the encryptions provided each week. It is still not too late to come along to Coding Club and we hope to see you in the new year!

Miss Madden



Masterchef

Masterchef last term was really fun. We had to complete a series of different challenges starting with an invention test, having to make something from a selection of different ingredients. This was the only challenge we did a group as it was the first session. The next dish we had to make was a starter, and I made acra de morue - a fish recipe. I came first! The next challenge was pork pies and a guest chef came in to teach us how to make them.



After these dishes we had to make a main course, I made sweet and sour chicken and managed to come second, then a dessert which I made a banana chocolate tart which landed me third. The next task was a technical challenge, we only had the oven temperature, and one tiny part of the recipe, in the end we all had managed to make cinnamon swirls.

The final challenge was a showstopper and everyone did really well, but with my crème pâtissière filled tart I managed to get second place! In assembly I was absolutely thrilled that I had managed to get first over all with such good competition! Master chef was amazing!

By Theo Rodgers

Spring Term - I am looking forward to a busy and exciting spring term:-

- February—Nick Barker (from Warwick university) is coming in to perform a science show to the year 8 pupils (always enjoyed by all).
- March - Science week will involved trips to the Big Bang in Birmingham (year 7 and 8) and a STEM day where all activities will have a STEM focus.