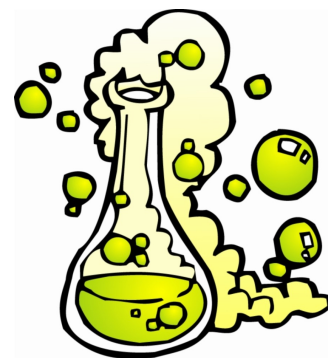


PROJECT 9

SCIENCE EXHIBITION



Learning sciences advances understanding of the learning process and the design of innovative learning environments. Embedding Internationalism

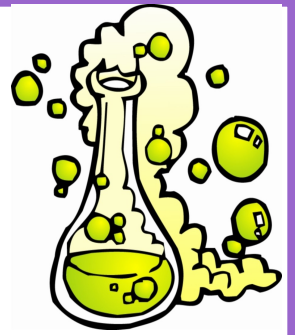
into the Science curriculum in SAI has been a practice since the beginning and incorporated right from the lowest classes to the highest. Every lesson in Science is made innovative and it gives hands on experience to all the students.

We in SAI also conduct annual Science exhibitions for both the Junior and the Senior level which gives the students a platform to showcase their Scientific skills. This year students had an opportunity to do global research on contemporary topics like robotics, chemistry, solar energy, natural resource, energy conservation, uses of hydraulics etc. Many of the projects were shared with our long term partner School, Chosen Hill School in UK via Skype. We decided to share the pictures of each other's Science Exhibition in form of a PPT. This gave a lot of knowledge transfer to the students of both the Schools.





Junior SCIENCE EXHIBITION classes VI-VIII was a big success as students put their best foot forward and presented experiments in Physics, Chemistry, Robotics and Energy Resources and Conservation.

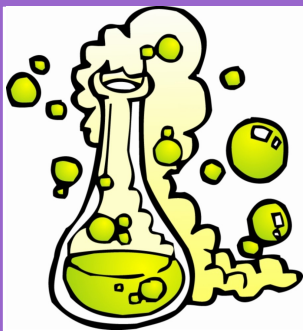


Kartik of class VII researched the uses of solar panels and how they can impact the environment we live in.



Akriti, Smruti, Archutna of class VI made a pictographic camera using a giant magnifying glass to make inverted images.





Annual Senior SCIENCE EXHIBITION classes IX-IX was a platform for the students to showcase their creative and scientific excellence winning back admiration from everyone who visited the exhibition. It was a show of skill and knowledge. Each and every student displayed their models either individually or in groups with topics taken from their textbooks yet giving it an International flair and essence. The models clearly reflected the students' learning success in their class rooms and also their vision for resolving matters of Global concern.



A display of Robotics designed by the students working with a remote while the Judge looks keenly and appreciates the innovativeness of the models.

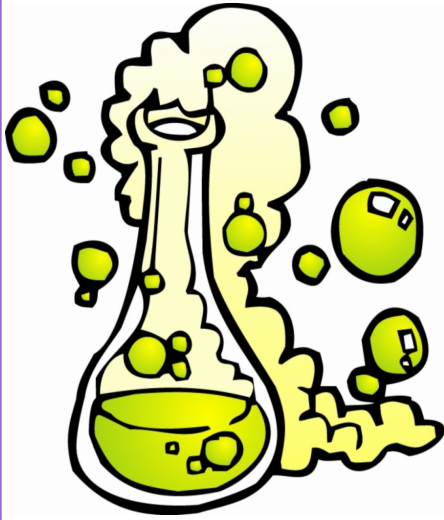


A model to show generation of energy with things available at home.



More models exhibited in Physics and Chemistry which includes automatic traffic Management on busy Roads.

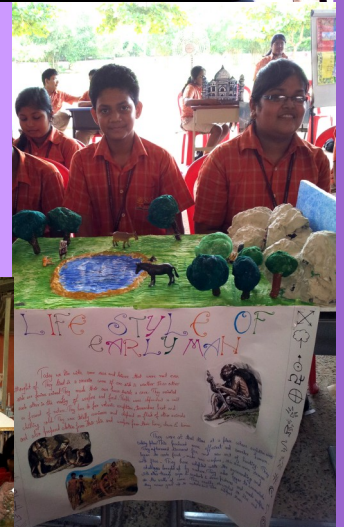


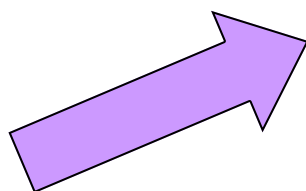
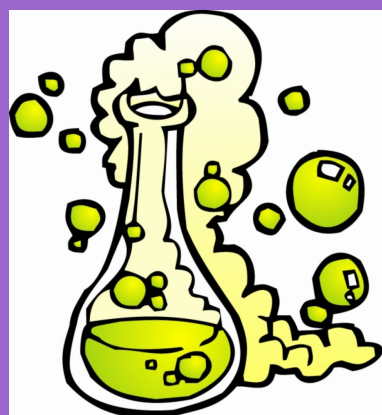


Things got really interesting when class IX & X held a SOCIAL SCIENCE EXHIBITION taking an in-depth look into geology, geography, world history and global economical, ecological, and social issues.

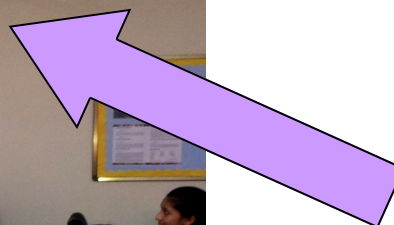


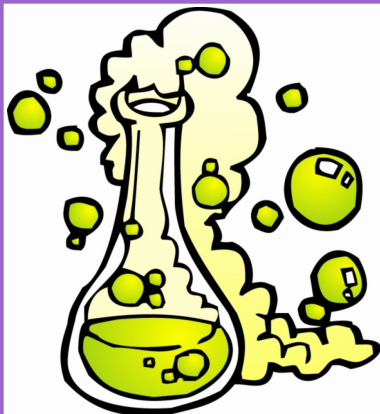
A Social Science modeling Exhibition was also conducted in the School. Almost all the projects had a scientific approach while portraying global social and geographical issues. Lots of models were displayed on environment issues and water and energy crisis all over the Globe.





On JULY 18, students from Chosen Hill School and SAI International School held a Knowledge Bowl. Student from both schools formed teams and competed against the clock to get the most number of answers. The Quiz competition was split into 3 parts, one on history of chemistry, famous inventions, space exploration . Students really enjoyed testing the other 's knowledge in science. Over all Chosen Hill came first in the Chemistry portion while SAI International School held fast in both the famous inventions and space exploration.

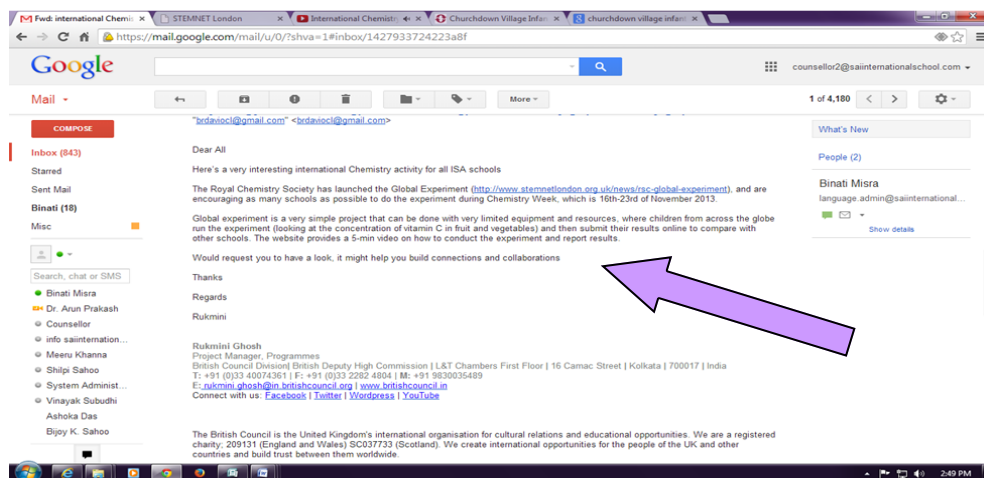




Chemistry Week

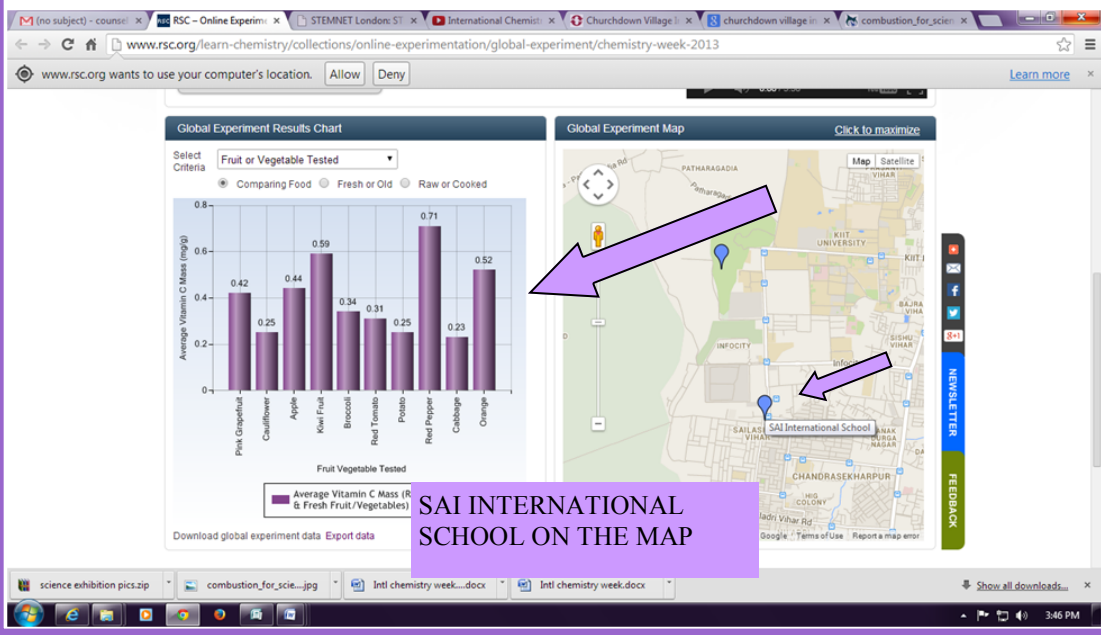
The Royal Chemistry Society launched the Global Experiment during Chemistry Week, from 16th-23rd of November 2013. The RSC encouraged as many schools as possible to do the experiment during Chemistry Week to find out the vitamin C content in different food stuff.

Email sent to all ISA schools from by the British Council



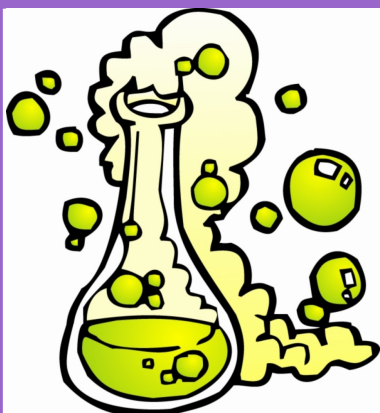
Global experiment is a very simple project done with very limited equipment and resources, where children from across the globe run the experiment (looking at the concentration of vitamin C in fruit and vegetable) and then submitted.

Student of class IX and X put together an experiment to find out vitamin C content in fruits and vegetables. The process was filmed and the findings along with the movie were uploaded to the Royal Society of Chemistry Website

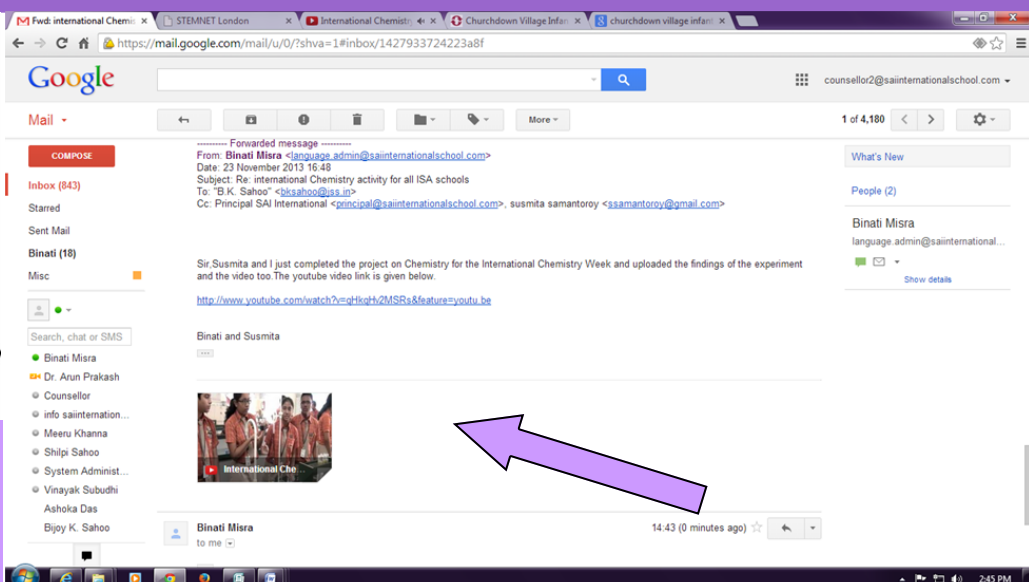


Results posted on the RSC website.





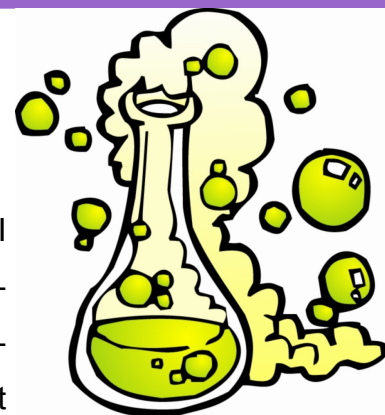
Email to the RSC with video Attachment



Students busy in the Laboratory testing raw vegetables and fruits to find out the level of vitamin C content. This was posted in the Royal Society of Chemistry website during the World Chemistry Week from 16 to 23 November 2013.

youtube link: <http://www.youtube.com/watch?v=qHkqHv2MSRs&feature=youtu.be>





OVER ALL IMPACT:

This ISA project was very well organized throughout the year. In SAI conduct of Science Exhibition is a regular practice but including International dimension to it and also involving our partner School was an addition that increased the global knowledge of the students in the different topics they were doing research on.

Each and every student displayed their models either individually or in groups with topics taken from their textbooks yet giving it an International flair and essence. The models clearly reflected the students' learning success in their class rooms and also their vision for resolving matters of Global concern.

The students were able to gain exposure to the different types of science topics taught around the world and the opportunity to develop presentation skills through video and PPT on such topics. Students from both partner schools learnt some of the different ways science is taught globally while representing their own school in a Knowledge Bowl. Participation in the World Chemistry Week also enhanced the global concept of students and teachers as well.

WHAT NEXT?

The Annual Science Exhibition will continue every year as usual. The International dimension will be inculcated to each of the Science lessons taught in the school at all levels. More of our link Schools will be invited to get involved in this project. Discussions with Partner Schools via Skype will be more frequent on pre agreed Science topics. It could be an activity to share knowledge in form of showing unique models made by the students or having a quizzing session. Teachers and students of our partner Schools can share their ideas during visits to each other's Schools.

Teachers of both the Partner Schools will share their best practice and the teaching methods with each other.

