St Andrew’s and St Mark’s Junior School

Communicating and sharing our science
Summary of Content

This school loves to share the science they have done with everyone so have formed their own video Tube.

What a great idea SASM!

We also love Mission X and your science sleepover.
What the school says

• We love sharing the science we have done in school in all sorts of ways.

• In our PSQM feedback, our communication with parents was noted as strength; it is also something that our school is very proud of.

• It was the communication that created a real buzz about science in the school and this led to outstanding work from pupils too.
‘Beyond the School gates’ - Sharing Science with the community

SASM Tube is the school's very own video site. Pupils and staff upload videos of what they have been learning about at school and home.

Click on the logo above to see our videos.

We’ve worked with local artists and designers to create habitats for the community.

Highly able Year 6 pupils are regularly sent to Tolworth Girl’s School. Year 5 pupils experienced a lesson at Southborough. This also helps with transition.

Mission X at SASM was published as a case study for RBK (https://richmond.gov.uk/j2bloggy.com/erichmond/science-week-mission-x-at-st-andrews-and-st-marks-ce-junior-school/)

It’s great to see children trying out the science they have learnt in the classroom at home with their parents - excellent stuff.
Daniel - Physics student at Exeter University

We’ve loved watching your science videos - it has inspired our pupils to revisit what they have learnt about space.
Teacher from Ryden’s Secondary School
CASE STUDY: Science Week: ‘Mission X’ Impact and feedback

Chn from SASM attended a closing event at Farnborough QinetiQ Centre, which included putting the SSL in a centrifuge to experience 4.6g!

Science Week was so successful the Surrey Comet asked to write an article about it. Published 28/02/2014

Coverage of the week appeared on the Mission X blog – shared with 17 other participating countries

We have provided feedback for NASA, ‘Fabulous stuff. Thanks so much - are you putting in for the Space Education Quality Mark - you have so much evidence to share...thank you for your feedback, I can include it in our Mission X report to NASA– Heather MacRae, Mission X Programme Manager

Children at a Surbiton primary school made space-themed accessories and decorated their classroom with cosmic posters to celebrate science week.

Students at St Andrew’s and St Mark’s School also took part in a programme called Mission X, which encourages youngsters to “train like an astronaut”. They took part in scientific reasoning, teamwork and participated in training tasks targeting strength, endurance, co-ordination and balance at the Maple Road site this week.

Sarah Smithurst, school secretary, said: “It was brilliant. The children had a great time and lots of them went home telling their parents they could now be rocket scientists.”

“One girl went home and told her mum she would go to Mars one day.

“There were some very inspired future rocket scientists.”

The school also welcomed Doctor Simon Foster from University College London who spoke about space.

Year 5 teacher Matthew Gates, who is head of science at the school, went on a day course about Mission X and later instigated the eventful week. He said: “The Mission programme is actually developed by NASA and there was a pack with lesson ideas and plans for PE and science.

“So we made gunpowder and explosions.

“We had an assembly after and said ‘How many hands up to be an astronaut when you grow up’ and all the hands went up.”
Parent participation and out-of-school learning

Hogsmill Sewage Treatment Plant. Pupils completed practical experiments with methane and then got to see the same scientific principles in action.

London Museums. Every child has visited the Natural History Museum or Science Museum to study classification or earth and space.

Science week curriculum evening. Pupils shared their knowledge and taught parents how to train to be an astronaut.

Year 4 Pond studies.

Year 6 science evening. Parent’s were invited to come and see how their children had responded to a science challenge.
Excited and eager to begin, 65 Year 4 pupils packed into the hall for the start of SASM's annual Science Sleepover. For this year’s event, a STEM (science, technology, engineering and mathematics) theme was chosen with ‘Bricks 4 Kidz’ providing the best engineering resource on the planet - Lego! Throughout the evening, children (and adults!) mastered building an Apollo rocket, a moving robot and - in the spirit of true scientific thinking - were given the opportunity to explore and try new designs.

I really enjoyed the challenge of making Lego that moves! Year 4 pupil

Bricks 4 Kidz and Mad Science have both run after-school clubs for children this year (pupil premium children were subsidised)

I didn’t know that scientists use Lego - Year 4 pupils
The impact for our school was ..... 

• Videos of our pupils explaining their science projects and video montages of Science Week communicates clearly that the school community now sees science as a focus and strength at SASM.

• The videos have received hundreds of views and we have had e-mails from other schools, with who we have shared resources - there has been no limit as to how far you can reach!
Science Subject Leaders Comments

The addition of 'SASM tube' to science teaching has enabled pupils to share what they had done in school and follow up classwork at home or enter competitions.

Old iPhones made for great video cameras in class!

Hero Lab science comics competition also inspired us to share out science:
What we will do next

Our next step is to work with more schools on joint science projects.

Could this be you?