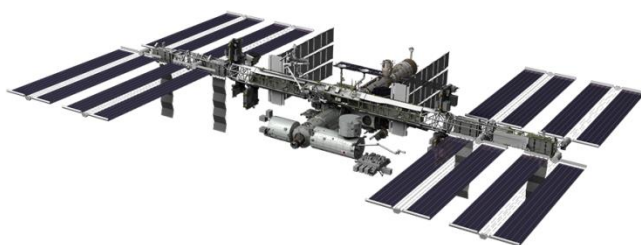


SAW Training Workshops

SAW is running a special teacher training workshop this winter using 'Space' as the theme to celebrate the news that Tim Peake will be the first British astronaut to visit the International Space Station. The workshop will provide primary and secondary teachers with a SAW workshop template that can be run as an 'in house' activity in school.



The science session will be delivered in partnership with **TV astronomer, Mark Thompson** (<http://www.markthompsonastronomy.com/>) and linked poetry and art sessions that will enable children to generate space-inspired poems and artwork will be led by SAW professionals. The workshop will take place at the **John Innes Centre, Friday 13th November, 9.30am – 4pm** (lunch provided). Places cost £120 and numbers are limited. Please contact jenni.rant@jic.ac.uk for more information and to book.

In addition, schools in Norfolk and Suffolk can also sign up to be part of a bigger project that will culminate with a live link for children to talk to the astronauts in space – see <http://ueasupp.org/iss/> to find out more.

Don't forget to visit the new NRP image library; images.norwichresearchpark.ac.uk

SAW Lunchbox Science Project

During the summer term we worked with Norfolk Primary schools on a new range of SAW projects called **Lunchbox Science**. Each of the eight projects focused on one ingredient from a typical lunchbox and was designed by a research scientist, working in collaboration with a professional artist and writer.



Projects explored connections between agriculture and scientific research of UK crops using the SAW cross-curricular approach. The schools created innovative displays of their work that they presented at the Royal Norfolk Show.

Lesson plans are being developed for dissemination nationally through the new website <http://www.countrysideclassroom.org.uk/> which has a wealth of excellent resources for schools.

We will also be running **Lunchbox Science workshops** for teachers in 2016.

SAW out and about!

The Welborne Arts Festival provides two days of art exhibitions, music, literature, performance and demonstrations in the heart of rural Norfolk.

This year's theme was 'Art meets Science'. We designed and delivered three new SAW projects with children from the surrounding primary schools on the theme of 'the evolution of planet Earth'.

Dr Jess Johnson, Dr Trevor Tolhurst and Prof Jenni

Barclay from the University of

East Anglia worked with writers

Mike O'Driscoll, Molly Naylor and

Andy McDonnell to deliver projects on earthquakes, coastal erosion and

volcanoes. Artist Liz McGowan, who worked on all three projects, returned

to the schools to help children develop ideas into a full scale exhibition for

the festival where the children presented their work. Liz commented "*The*

work had real impact and was a wonderfully creative interpretation of the

science."



SAW Synthetic Biology Project

John Innes Centre scientist Tessa Moses, who specialises in metabolic engineering, introduced A Level students to synthetic biology and her research into engineering yeast for the production of high value chemicals, such as the anti-malarial drug artemisinin. Tessa was working on Syntegron 2, a project funded by the Engineering and Physical Sciences Research Council.

EPSRC

Engineering and Physical Sciences
Research Council

EN

EAST NORFOLK
Sixth Form College

We gave the students a glimpse into the world of synthetic biology and how scientists use this concept to solve world food and health problems. The students embraced the idea and used it as inspiration for their creativity, truly breaking the boundaries between science, art and writing with their young minds. It was personally a very rewarding experience." **Dr Tessa Moses**



The poetry session produced some great work and we were delighted with an amusing yeast poem written and performed by the science teacher!

The art session explored links between scientific imagery used to report successful transformations in yeast and works by the artist Jasper Johns.

**NEXT
TIME**

SAW and the International Space Station, SAW out and about, SAW Antibiotics projects, lesson plans and more...

If you don't want to receive news from SAW please drop us an email.

The SAW Trust© Registered Charity no.1113386 Newsletter 4