

Super Science Saturday

1 March 2014, 10am – 4pm

Storytime Science

Exploring science found in stories; from children's fairy tales to classic novels and films for big kids. A fun day out for all, book lovers and science fans alike!

Programme of free activities for all ages with talks, demonstrations and hands on displays from our science departments and festival partners, and featuring interactive shows by the Science Alternative Village Fete, the Natural History Museum, the Science Museum and Arts Alive.

Highlights include:

- Harry Potter: Wizardry and adventures – School of Biological Sciences
- Meet the Incredibles: Test your Superhero skills – Department of Psychology
- I, Robot: ideas towards intelligent robots – Department of Computer Science
- Welcome to the Real Ice Age – an exploration – Department of Geography
- Dynamic planet! Follow the fossil trail – Department of Earth Sciences
- World of Wonder: Beautiful shapes, odd puzzles, codes & cyphers – Department of Mathematics and Information Security
- Back to the Future: Time travel and a levitating model DeLorean – Department of Physics

Download the full programme on our website:
royalholloway.ac.uk/sciencefestival



24 February – 1 March 2014

Super Science Saturday on 1 March 2014

Discover and be inspired by Science at
Royal Holloway, University of London

6888 07/14

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Highlights for the 2014 Science Festival

Royal Holloway Science Festival invites you to be inspired by the wonder of science and experience some of our world-changing research first hand. Teachers, students, families – all welcome!

Here are some of the highlights to look forward to:



Monday 24 February

6.15pm Windsor Building Auditorium

Laughter, prejudice and unfamiliar faces

Science for Schools lecture from the Department of Psychology

Dr Victoria Bourne will talk about the importance of being able to recognise faces, and what happens when a brain injury leads some to lose this ability. Dr Marco Cinnirella will discuss the psychology of prejudice, asking why Islamophobia has been one of the fastest growing prejudices in countries like the UK. And Dr Carolyn McGettigan will talk about laughter – its universality, how we use it, and how our brains respond to it. The lecture will be preceded by a reception and exhibition in the foyer.

To make a booking for this event, please email Nickola.Webb@rhul.ac.uk

Wednesday 26 February

6pm, Moore Building Lecture Theatre

The Chronic Argonauts from Wells to Dr Who

Our popular science fiction duo, Dr Stewart Boogert, Reader in Accelerator Physics and Adam Roberts, Professor of Nineteenth-century Literature, will stage a dialogue between past and future, from the 19th-century world and 21st-century astrophysics. What was it about the late 19th-century that meant that Wells dreamed-up his time machine then? Will time travel ever be possible? What is the secret of the Doctor Who's enduring appeal? Be sure to make time for this event!

Please register for this event by email – rhsf@rhul.ac.uk



Thursday 27 February

7.30pm Founder's Dining Hall

Science Festival Dinner (just for teachers)

Around the World in 80 Bites. Discover the wonders of the world through an interactive evening of scientific discovery and gastronomic delights. Join the departments from our science faculty tasting the delights of the food from around the world – plus learn how to use mathematical forums to get the most of a buffet, sample Liquid Nitrogen Ice Cream and make the ultimate decision: are you happy to share your food?

Please sign up for this event by email – rhsf@rhul.ac.uk

Friday 28 February

Rare Disease Day

Following our successful annual events held at Royal Holloway since 2011, our School of Biological Sciences will again host a Rare Disease Day event in 2014. The aim is to draw attention to rare diseases and the millions of people who are affected by them, and highlight the need for



more research and funding to help sufferers and their families. An exhibition by leading health organisations and charities, lectures, hands-on workshops and other activities will showcase rare disease research and care, and introduce attendees to freely available resources related to rare diseases. School groups are invited to register in advance on our website.

Throughout the week

STEM Box Challenges

STEM Box Challenges are science outreach projects inspired by departmental research at Royal Holloway for KS3 groups in schools. Challenges will be launched in festival week at a special event with workshops and lectures on each challenge theme with the kit and other resources to complete the challenge back at school.

STEM box challenges are designed to be completed over a period of several weeks and will teach core skills in research techniques, team work, communication, knowledge application and project management. Participating schools will be invited to Royal Holloway for a conference-style final to present their discoveries during the summer term.

Biological Sciences: Biodiversity Boost Challenge

Computer Science and Information Security: Build your own Internet Challenge

Earth Sciences: Earthquake Challenge

Geography: Supermapping: Geographical Information Systems Challenge

Mathematics: Pascal's Triangle Challenge

Physics: Wheeled and Levitating Vehicles Challenge

Contact scienceoutreach@rhul.ac.uk for more information

