

# HUMAN SCIENCE

Find out about the wonders of the human brain and mind with Psychology

- Explore virtual worlds of illusions and test your perception and memory abilities
- How good are you at detecting faces, emotions or birdsong?
- Where do you look when exploring a new world?
- Experience how neuroscientists use Virtual Reality in research

**W** Windsor Building ground floor

# SMART SCIENCE

Discover current and future technology with Computer Science 

- Interact with project demos to feed your curiosity
- Survival of the smartest - see what Lego robotics can do
- Challenge the Rubik's solver robot or Connect 4 robot.

Get puzzling with magical Mathematics 

- Marvellous mathematical box making, arts and crafts, puzzles and games
- Hands-on activities to demo magical maths properties
- Be amazed by soap bubbles and geometrical tricks
- See a display of calculating machines

**W** Windsor Building first floor

## TALK

10.30am and 1.30pm at Windsor Auditorium

- **The Unexpected Maths of Juggling**
- Skillfully proving maths is fun by Dr Colin Wright

## WORKSHOP: [7 YEARS+]

10.45am and 1.45pm at Shilling Building lecture theatre 

- **Humans vs ChatGPT – learning with AI tools**
- Interactive workshops by Jorele Simons, Computer Science

# LIFE SCIENCE

Examine scientific discoveries in health and nature with Biological Sciences

- Drop-in displays and hands-on activities in the labs
- Explore crop science and how science feeds the world
- Invent an animal and consider its ecology, threats and potential solutions alongside conservation scientists.
- Extract DNA from strawberries
- Look at vertebrate development through microscopes
- Learn about ECG Physiology
- See a display of specimens from our biology museum

**B** Bourne Building

## TALK \*

11.15am and 3pm at Windsor Building Auditorium 

- **Chemistry of life and death and A Guided Tour of the Darker Reaches of the Periodic Table.**
- Interactive talks by James McEvoy, Professor of Biological Chemistry and Hal Sosabowski, Professor of Public Understanding of Science.

# FRONTIER SCIENCE

Explore and be experimental across the spectrum of Physics

- Unlock the secrets of laser communicator and fibre optics, space and gravity, and emission spectrum
- Watch roller coasters, a Harmonograph, and Dark Matter detector
- Visit the Particle Zoo, Accelerator Lego set, and see magic sand hydrophobic properties
- Join the coolest demo on campus with Nitrogen flowers in room T125
- Visit our astrodome on the roof (on request - not suitable for those with limited mobility or small children)
- Don't miss the Cloud chamber in the foyer

**T** Tolansky Laboratory

## TALK \*

12pm and 2.45pm at Shilling Building Auditorium 

- **Resistance is futile – the rise of superconductors**
- Live Physics demos by Professor Stephen Gibson and Professor Andrew Casey

# CREATIVE SCIENCE

Be creative and inventive with activities in Electronic Engineering

- Make your own game with BBC:Microbit
- Sound Blok: make music with a stackable synth!
- Big light-up staircase: It knows when you are about to climb it! How electronics can make everyday objects 'smart'.
- Let's get building with Hot Wires and line following robots
- Find your sparkle and interact with LED lights
- Play miniature air hockey made from electronic components

**S** Shilling Building

## WORKSHOP: [7 YEARS+]

11.30am and 2.30pm at Shilling Building lecture theatre 

- **Drop the switch and make your own video game controller**
- Discover what makes a game a game and novel ways of playing, by Julia Makivic, Lecturer in Creative Electronic Engineering.

# ENVIRONMENT SCIENCE

Journey through the past, present and future of our planet with Earth Sciences and Geography

- Geological timeline reveals life and Earth history
- How the ground reveals its secrets through a Seismometer
- Explore the subsurface mystery through 3D visualisation
- Greenhouse gas emissions – learn about methane at our mobile monitoring lab parked outside
- Mapping glaciers from space: Use satellite imagery to see how quickly ice is being lost due to climate change.
- Younger children can colour in beautiful images of glaciers taken from space!
- Volcano maps: visit the popular volcanic island of Tenerife - make a map of the volcanic hazards before you go!

**Q** Queen's Building

## TALK [10 YEARS+]

11am and 2pm at Queen's Building lecture theatre

- **Mapping glaciers from space**
- How satellite technologies map glaciers reacting to climate change, and the surprising impacts for coastal regions, by Dr Varyl Thorndycraft.



## DISCOVER SCIENCE DAY

Saturday 28 March 2026  
10am-4pm

A day of science exploration and discovery at Royal Holloway, University of London  
[royalholloway.ac.uk/sciencefestival](http://royalholloway.ac.uk/sciencefestival)



## Welcome to Royal Holloway Science Festival

Today is all about being curious and discovering the wonder of science as you experience some of our world-changing research at six exciting science zones.

We've run our hugely popular science festival for over 30 years, inviting visitors of all ages to explore science, question and have fun!

Our information point is at Windsor Building foyer for:

- Campus directions
- Tickets for Auditorium talks
- Lost property
- Lost child meeting point
- First Aid by SafeSavvy

### Interested in studying here?

Visit our stand at Windsor Building foyer or register for an Open Day: [royalholloway.ac.uk/opendays](http://royalholloway.ac.uk/opendays)

Please note: A professional photographer will be taking photos at this event on behalf of and for use by Royal Holloway. For children under 16 we endeavour to seek permission from parents or a guardian wherever possible.

## Steam Trains – live all day!

Live steam engines presented by Gauge One Model Railway Association of Surrey are at OMNIDROME (near car park 4)

## FOOD AND DRINK

Enjoy a range of snack and lunch options from our campus outlets:

- Pizza van at Founder's Square
- Social Bite at Davison Building - coffee, hot dogs & snacks (9am-4pm)
- Union shop at Davison Building - sandwiches & drinks
- Boilerhouse café - coffee shop
- The Hub dining hall - burgers & brunch (11.30am-2.30pm)
- Tikka Nation flavours of India at Students' Union
- Picnic areas at Founder's Square

## SCIENCE FESTIVAL ACTIVITY LOCATIONS

(See details overleaf)

### Key

- |  |   |
|--|---|
|  Today's locations                |  Bicycle parking                             |
|  Social and Sport                 |  Library                                     |
|  First Aid                        |  Cash point                                  |
|  Car park                         |  Male/female toilets                         |
|  Accessible car parking           |  Gender neutral toilets                      |
|  Steps, not accessible            |  Disabled toilets                            |
|  Rough path may not be accessible |  Advice Zone                                 |
|  Bus stop                         |  Information point                           |
|  Pedestrian crossing              |  Windsor Building (and Windsor Auditorium)   |
|  Food and drink                   |  Bourne Building                             |
|  Shop                             |  Tolansky Laboratory                         |
|  Electric vehicle charging point  |  Queen's Building                            |
|  |  Shilling Building (and Shilling Auditorium) |

## TALK HIGHLIGHTS

The following talks require free tickets\* to manage seating in auditoriums

	The Unexpected Maths of Juggling	10.30am	Windsor Auditorium
	Chemistry of life and death	11.15am	Windsor Auditorium
	Resistance is futile – the rise of superconductors	12pm	Shilling Auditorium
	The Unexpected Maths of Juggling	1.30pm	Windsor Auditorium
	Resistance is futile – the rise of superconductors	2.45pm	Shilling Auditorium
	A Guided Tour of the Darker Reaches of the Periodic Table	3pm	Windsor Auditorium

\* Tickets available from Windsor Information Point on a first come first served basis. Seats are unreserved. Children under 12 must be accompanied by an adult.

