

SUMMER SCIENCE EXHIBITION

1 – 7 JULY 2019

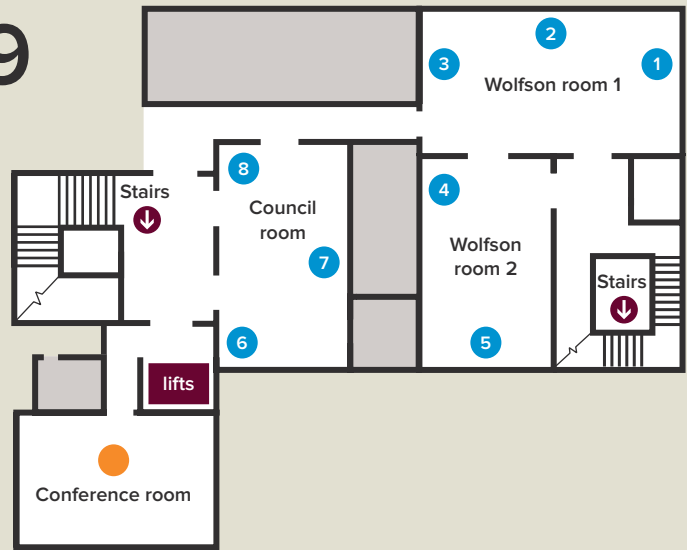
- Exhibits
- Talks and activities
- Schools hub
(No public access from Monday, 11am – Friday, noon)

Other exhibits

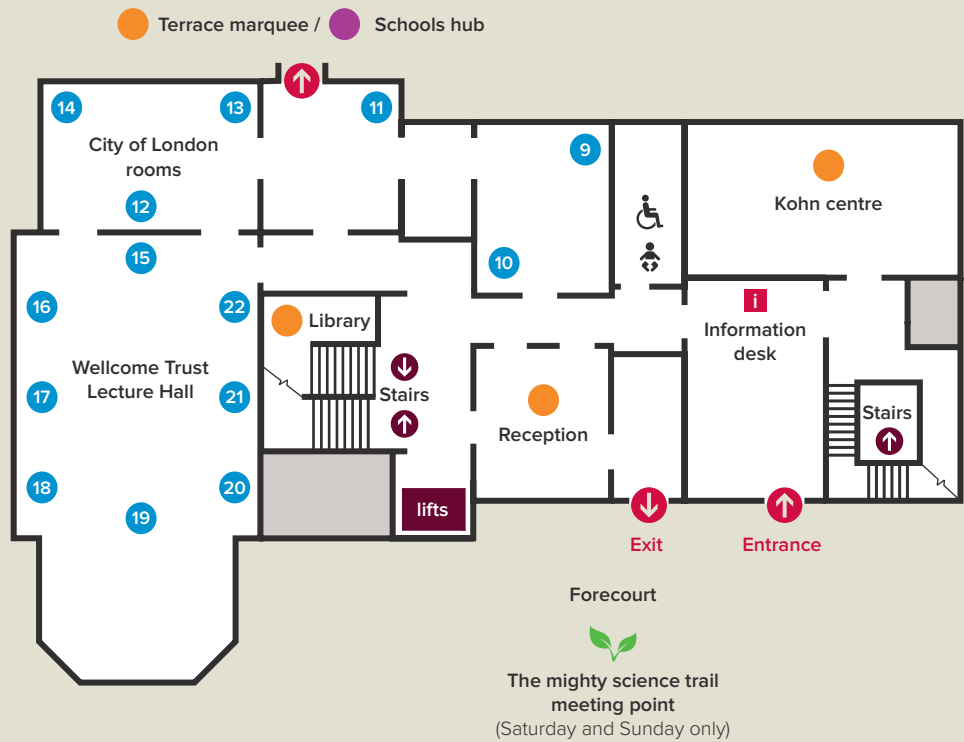
- Fiery Earth exhibition

General information

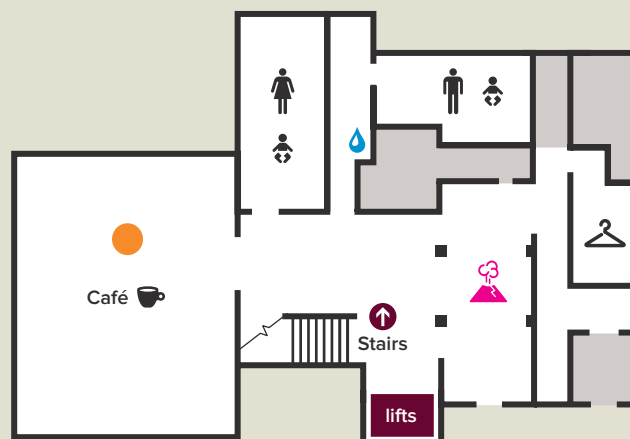
- ☕ Café
- ♿ Baby changing facilities
- 💧 Water fountain
- 👤 Cloakroom
Please note: Items are left at owner's risk.



FIRST FLOOR



GROUND FLOOR



BASEMENT

FIRST FLOOR

- 1 In your element**

Celebrate the 150th anniversary of the periodic table with an investigation into the elements we rely on every day.
University of Warwick, University of Oxford
- 2 A recipe for primordial life**

Dive into the primordial soup to reveal the fundamental building blocks of life.
UKRI – MRC Laboratory of Molecular Biology
- 3 The great Bristol shake off**

Shake, shake, shake those fake earthquake tremors to help safeguard our nuclear reactors against natural disasters.
University of Bristol
- 4 It's a knockout**

Explore how tuberculosis is becoming a disease of the past through the use of genetic technologies.
Royal Veterinary College
- 5 Surface matters**

Detect how even small changes on the surface of materials can dramatically alter their properties.
Cardiff University
- 6 Lighting the brain after birth**

Glimpse how light can be used to monitor the brain activity of babies and even save the lives of newborn infants.
University College London
- 7 BepiColombo: x-ray eyes on Mercury**

Voyage to this mysterious and uncharted planet and explore how its secrets are being revealed using x-ray imaging.
University of Leicester
- 8 Molecular music: the sound of chemistry**

Join Ilkley Grammar School as they create musical masterpieces to show what's happening in a chemical reaction.
Ilkley Grammar School, University of Bradford

GROUND FLOOR

- 9 Green light for chemistry**

Find out how light can be used as a clean, green alternative to chemicals in manufacturing methods.
University Of Nottingham, University of Southampton, University of Bristol
- 10 Magnetic to the core**

Discover what the Earth's ancient magnetic field tells us about the hidden depths of our planet.
University of Liverpool
- 11 Breathing with your brain**

Why do we get breathless?
Explore how and why the brain can influence the breathing process.
University of Oxford
- 12 Do you feel me?**

Discover how words can have a taste and sounds have a colour for people with synaesthesia, a condition that blends the senses.
Goldsmiths University of London, University of Sussex
- 13 Seeing with atoms**

See how helium can be used in microscopy to open a new world of discovery.
University of Cambridge, University of Newcastle Australia
- 14 Living on the Moon**

Prepare for the next big lunar challenge, 50 years after the historic Apollo 11 Moon landing.
Open University
- 15 Timber towers of tomorrow**

Explore the science and engineering of super tall timber, from the smallest of cells to the highest of skyscrapers.
University of Cambridge
- 16 A message from afar**

Join the debate on whether we should try to communicate with extra-terrestrial civilisations.
University of St Andrews, Leeds Beckett University, Durham University, University of Manchester, Jodrell Bank Centre for Astrophysics, Berkeley SETI Research Center
- 17 Take a bite out of climate change**

Uncover the surprising truths about what we eat in this myth-busting look at the food on our plate, and how it gets there.
University of Manchester
- 18 Art of isolation**

Is the quietest place in the Universe really next to the M6? Investigate how the removal of 'noise' is enabling the development of brand new technology.
Lancaster University
- 19 Trusted autonomous vehicles**

Would you trust a driverless car? Put your views to the test and see what it takes to establish trust in this up and coming technology.
University of Leicester
- 20 The mathematics of cancer**

In the search for a cure for cancer, see how mathematical modelling is providing valuable insight into the complex structures of tumours.
University College London
- 21 Robots in the danger zone**

Meet the real-world robots unlocking new possibilities in areas too hazardous for humans to work.
Heriot-Watt University, The University of Edinburgh
- 22 Super biomaterials to fight super bugs**

Discover the amazing materials helping to battle the rise of superbug infections in medical devices.
University Of Nottingham