

THE ROYAL SOCIETY

SUMMER SCIENCE EXHIBITION

● Exhibits ● Talks and activities locations

Other exhibits

 Science made visible exhibition

General information

 Café

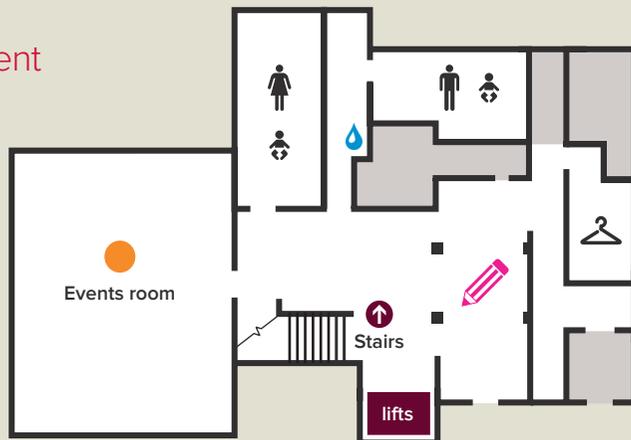
 Baby changing facilities

 Water fountain

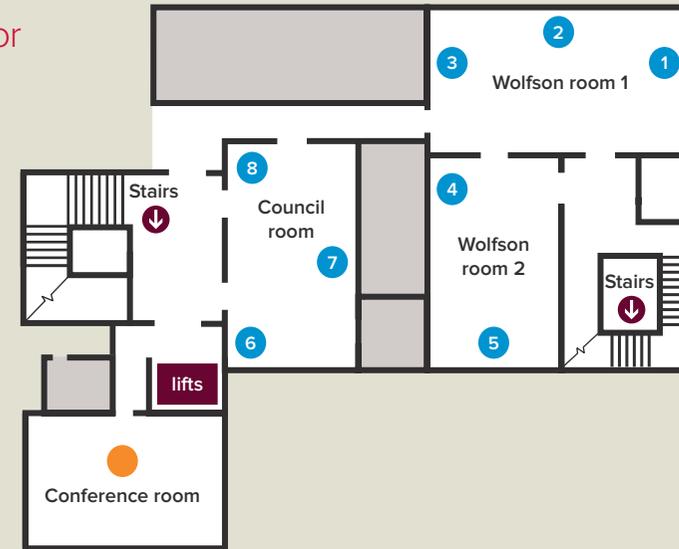
 Cloakroom

Please note: the cloakroom is unstaffed. Items are left at owner's risk.

Basement



First floor



Ground floor



Exhibits

1. Race against the ageing clock

Can researchers stop the ageing clock? Explore how studying our DNA may provide the answers.

2. Resistance is futile

Discover the advanced DNA sequencing technology being used in the fight against superbugs.

3. Ghosts in the universe

Do neutrinos hold the key to the antimatter-matter conundrum? These ghostly particles are all around us but can they unlock one of physics' great unsolved mysteries?

4. Life in a warming world

Join the Berkshire school group investigating the effect of climate change on freshwater ecosystems.

5. Hot stuff

Find out how harnessing radiation can be used for early cancer diagnosis and precision radiotherapy.

6. Quantum sensing the brain

Glimpse inside your brain with the quantum technologies providing cutting-edge insights into mental health.

7. Designer malaria vaccines

Malaria is one of the deadliest human diseases around. Can structural biology provide new hope for a vaccine against this killer parasite?

8. The measure of all things

The way we measure the world is about to change. Explore how the foundation stones of SI measurements are about to be anchored for good.

9. Where the wild things are

See how state-of-the-art hardware is giving conservation scientists unprecedented access to remote places.

10. Seeking life on Mars

The ExoMars Trace Gas Orbiter mission is hunting for clues to help scientists answer the ultimate question – is there life on Mars?

11. Progressive prosthetics

Uncover the quest to develop a prosthetic hand that looks, moves and feels like the real thing.

12. Atomic architects

Discover the 'sticky tape' technique making the creation of useful new nanoscale devices possible.

13. Material matters

Learn how 3D printing and the latest stem cell science can be used to produce the next generation of bone grafts.

14. Exploring the Universe with the Webb Telescope

Blast off into the invisible Universe with the new space telescope that's bigger and cooler than Hubble.

15. Mind the (nano) gap

Meet the scientists using nanotechnologies for pioneering applications in biosensing and healthcare.

16. Nurturing nature's innovations

See how bioinspired solutions to everyday challenges can come from the slimiest of sources.

17. Gaia: one billion stars in 3D

View the Milky Way in glorious 3D with the Gaia satellite which is revolutionising how we see our galaxy.

18. The random revolution

From cyber-security to gaming, can quantum physics create true randomness?

19. Guardians of the gut

Trillions of resident bacteria look after our gut health. But how should we look after them?

20. Not a dry eye in the house

Think blink! Staring at digital devices could be damaging our eyes' natural defences, but find out how research is coming to the rescue.

21. Soil: our buried treasure

Get hands on and dig deep as you discover the vital but vulnerable resource beneath our feet.

22. Code for creation

Meet Thomas, the supercomputer advancing the development of new materials from the atoms up.