THE ROYAL SOCIETY

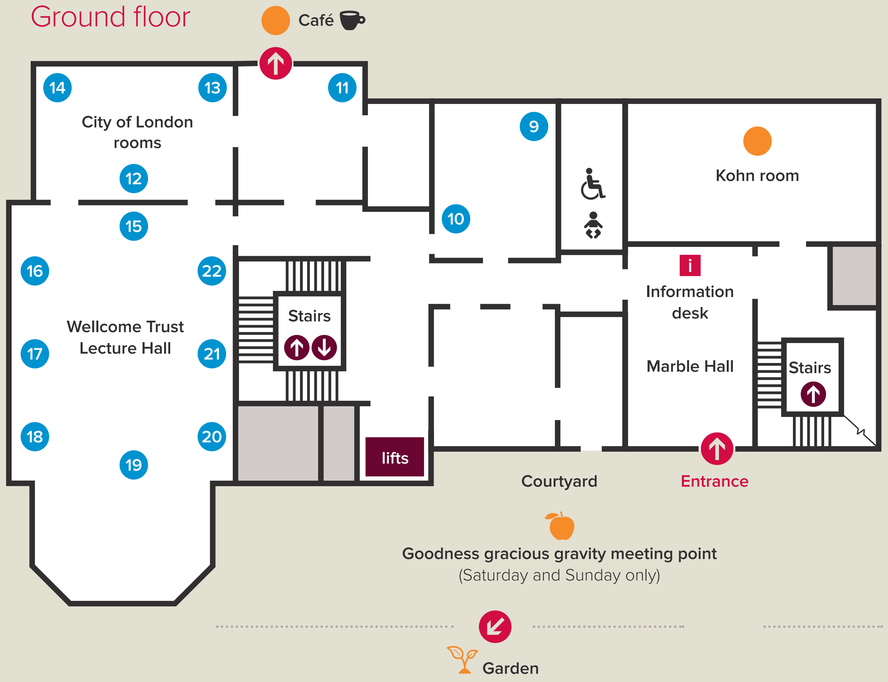
SUMMER SCIENCE EXHIBITION

- Exhibits
- Talks and activities locations

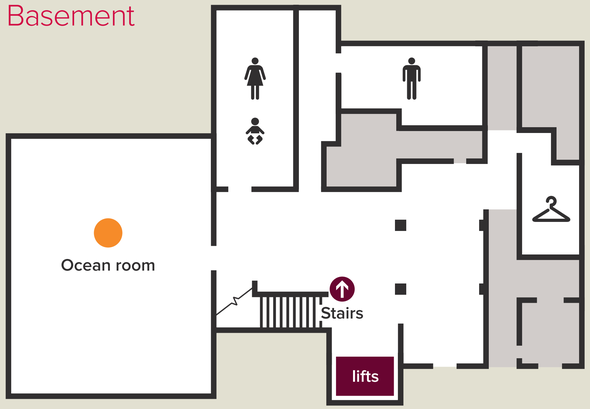
General information

- Café
- **Baby changing facilities**
  Please note: the baby changing facilities in the basement can only be used by female visitors.
- **Cloakroom**
  Please note: the cloakroom is unstaffed.

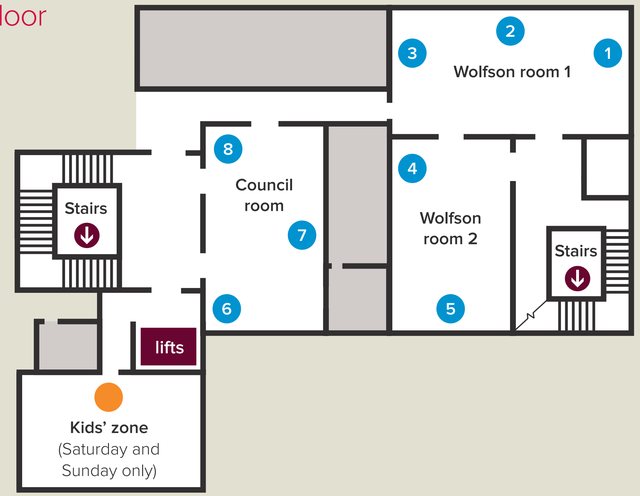
Ground floor



Basement



First floor



Exhibits

1. The magic of mixed reality
Enter a new world as virtual reality meets scientific history and see the Royal Society archives as never before.

2. A model Earth
Our climate is rapidly changing, and our computer models need to keep up with it. Explore the latest research into climate science and see what's predicted for our planet's future.

3. Heart in your hands
Feel your own heart beat and learn more about the latest in heart disease research.

4. Storing sunlight
Can we learn from how plants turn sunlight into energy, and recreate to store solar energy for longer? This is the Royal Society Partnership Grants exhibit.

5. How to make a supernova
Discover how the world's biggest laser is being used to recreate some of the most powerful events in the Universe in the lab.

6. Glowing corals
Fluorescent pigments may make beautiful coral reefs, but they can also help us discover new drugs under the sea.

7. eMental health for the iGeneration
Discover how the latest technology could change the way we view and treat mental health problems.

8. Amazing masers
You've heard of lasers, but have you heard of masers? Find out how these microwave amplifiers could change satellite communications.

9. DNA origami: how do you fold a genome?
Almost two metres of DNA is packed into every single cell in our bodies. Can understanding how that packing can go wrong help us treat diseases such as diabetes?

10. Listening to Einstein's Universe
What are gravitational waves, how do we measure them and what can they tell us about the Universe?

11. What's in a voice?
See what your voice looks like compared to an opera singer or rapper. What makes our voices unique?

12. Mapping cancer's secret chemistry
Explore how new imaging techniques could help us tackle the challenge of understanding how a tumour works.

13. Modelling the invisible
If you can't see something, how can you look for it? Discover how scientists are using computer simulations to search for things like dark matter and new particles.

14. Zoom for improvement
Discover how catalysts make chemical reactions faster and more efficient and could help us move towards a more sustainable future.

15. Safe and sound
Meet the engineers testing challenging structures to ensure our safety, whether it is an enormous Airbus A380 or a nuclear power plant.

16. Engineering cycling gold
Uncover some of the engineering science behind producing the fastest racing bicycle in the world.

17. Dinosaurs to forensics
Scan your shoes and find out the link between dinosaur footprints and catching criminals.

18. A future without fakes
Can the world's thinnest material, graphene, help us identify counterfeit drugs?

19. Crafty crows: Master tool users from the tropics
What can crows tell us about how humans evolved to use tools?

20. Smart surfaces
Touch the new self-cleaning materials, based on lily pads, that can kill bacteria and prevent infection.

21. Molecular cages – the hole story
Explore how molecular cages are being used to trap carcinogenic gases, or to create liquids with holes.

22. Quantum computing: from Bits to Qubits
How close are we to having quantum computers in our homes, and what will it lead to us solving?