



18-22 Dec 2023 – Christmas Chemistry Lab

Book single days or the full weeks from 9.30-3.30 (free early drop-off from 8.30, late pick up by 4.30 can be booked online), <https://www.littlehouseofscience.com/timetable/>,
For ages: 4-7 and 8-12 years (separately taught, age-adjusted content)

Location: Holiday Inn London - High Street Kensington, Ground Floor, Wrights Lane, London W8 5SP (2 mins High Street Kensington Tube and 10 mins from Earl's Court Station), secure garden area for outdoor activities during lunch breaks.

CLASSROOM-BASED HOLIDAY CAMP INFORMATION

- Weekly/daily holiday camps run from 9.30-3.30, (free early drop-off from 8.30 am)
- Our holiday camps are completely hands-on & project-based throughout each day
- Your children will be grouped & taught separately by ages/ability and will be assisted during all experiments
- A 10% siblings and friends
- Our teachers are fully vaccinated & have enhanced DBS checks in place
- We have a very high teacher/child ratio during all camp days (1:6)
- All workshops are fully risk assessed
- Regular and accompanied breaks for refreshments and outdoor activities (weather permitting)
- PLEASE NOTE: Lunch/2 snacks have to be provided by the parents, due to the different dietary requirements.
- ****WE DO NOT ALLOW ANY NUTS, SEEDS, OR EGGS IN THE ROOM**!**

Day 1: Mon-Fri, 18-12 Dec 2023 Christmas Chemistry Lab

- What is Chemistry?
- From the first Alchemists to Modern Chemists
- What is the Matter? Incredible Atoms and the Periodic Table
- Hydrogen and Helium: The Universe's first Elements
- Chemical bonding: How the Elements interact

Day 2: Mon-Fri, 18 Dec- 22 Dec 2023 Christmas Chemistry Lab

- Explosive Chemical Reactions and Amazing Physical Changes
- What are the States of Matter? From the coldest Condensates to the Hottest Plasmas
- The Properties of Matter – Amazing Materials of the Future!
- Non-Newtonian Liquids that Break all the Rules!



Day 3: Mon- Fri, 18 Dec- 22 Dec 2023 Christmas Chemistry Lab

- The Power of Hydrogen: Corrosive Acids and Caustic Alkalis
- The Magic of Water, and its Evil Twin, Hydrogen Peroxide
- The Element of Life: Adventures with Carbon.
- Can you freeze a Gas? Experiments with Carbon Dioxide
- Radioactive! Marie Curie and the most Dangerous Elements

Day 4: Mon- Fri, 18 Dec- 22 Dec 2023 Christmas Chemistry Lab

- Heavy Metal: The Metallic Elements and their Properties
- The Superpowers of Iron and Copper
- Dazzling Polymers and How to Make Them!
- Plastic and Paper: Recycle, Reuse, and Reduce!

Day 5: Mon- Fri, 18 Dec- 22 Dec 2023 Christmas Chemistry Lab

- What is Density? Can you Stack Liquids?
- The Elements in Your Body!
- Dorothy Hodgkin and the Beautiful World of Crystals
- Experiments with Chromatography- the Chemistry of Colour