



Book single days or the full weeks from 9.30-3.30 (free early drop-off from 8.30, late pick up by 4.30pm), <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, late pick up by 4.30pm bookable separately)
- 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. Age groups 4-7 and 8-12 years
- 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***

Introduction in Newtonian and Aerodynamic Physics Science Camp: Mon -Fri, 12-16 February 2024

Day 1 – Monday, 12 February 2024

- Forces and why are they important? What is centre of gravity?
- Who was Isaac Newton and what are the three laws of motion?
- The evolution of flight in the animal world: Wings, Sizes and Shapes
- Bats, birds, insects and the ways of flying

Day 2 - Tuesday, 13 February 2024

- First engineers, Leonardo da Vinci and the dream of birdmen
- The science behind hot air and helium balloons
- How Wright Brothers follow their dream and the brave Amelia Earhart
- What are the best shapes for a plane?



Day 3 – Wednesday, 14 February 2024

- The evolution of rockets and space exploration
- The anatomy of the rockets and how reusable rockets work
- The science behind hovercars and crafts
- Exploration of Venus and how can we travel there
- How Can We Terraform Mars?

Day 4 – Thursday, 15 February 2024

- How do Helicopters Fly? How scientists get inspiration from dragonflies?
- What is friction?
- I, Galileo or how one man revolutionized science
- The physics of the bicycle

Day 5 – Friday, 16 February 2024

- Superconductors, levitation and Maglev trains
- Can we build flying cars?
- Can we move with the Speed of Sound? The physics of sound
- Speed of Light, can we travel with the speed of light? Albert Einstein and the world's most famous equation