



## Interactive Easter Camp Programmes 2020

Daily from 9.30-3.30 (8.45am free early drop-off), for 4-7 and 8-12 years, (Age adjusted content & taught in separated groups), full of interactive experiments each day!

Register weeks or days: [https://www.littlehouseofscience.com/holiday\\_workshops](https://www.littlehouseofscience.com/holiday_workshops)

Holiday Inn Kensington Forum, The Academy, First Floor, entrance via Courtfield Road,  
London SW7 4DN (1 min from Gloucester Road Station)

### Week 1: Meet the Elements or the Exciting World of Chemistry Monday to Friday, 30 Mar-3 Apr 2020

#### Day 1 – Monday, 30 March 2020

- First particles and first elements • Mendeleev and the Periodic table • Meet the lightest element: Hydrogen!  
• Lighter than air? • Meet helium!

#### Day 2 – Tuesday, 31 March 2020

- Chemical reactions: (endothermic/ exothermic) • What is heat? • Why is oxygen everywhere? • What's in your water • States of matter

#### Day 3 – Wednesday, 1 April 2020

- The adventures of Carbon • Nitrogen: all around us! • Acids and alkali • Metals and their properties

#### Day 4 – Thursday, 2 April 2020

- Radioactive Elements • How Marie Curie changed the world • The endless polymers • Archimedes and the Golden Crown

#### Day 5 – Friday, 3 April 2020

- Elements in our body • The importance of calcium • Vitamins and minerals • Molecular machines



## **Week 2: Fascinating Intro to Aerodynamics and Aerospace Monday to Thursday (4 days), 6-9 April 2020**

### **Day 1 – Monday, 6 April 2020**

- The evolution of flight in the animal world • Forces • Wings, sizes and shapes • From dragonflies to flying robots

### **Day 2 - Tuesday, 7 April 2020**

- First Engineers or the dream of birdmen • How do planes stay in the air? • What are the best shapes for a plane? • Regimes of flight • The brave Amelia Earhart

### **Day 3 – Wednesday, 8 April 2020**

- How airports work • The science behind hovercars and crafts • Levitation • Propellers and helicopters • In the cockpit

### **Day 4 – Thursday, 9 April 2020**

- Rockets and space exploration • The anatomy of the rockets • Rockets vs airplanes • Space X and the reusable rockets • How fast and how far can you flight?

## **Week 3: Amazing Zoology: Explore the Fascinating World of Primates, Fish, Molluscs and Mammals Tuesday to Friday (4 days), 14-17 April 2020**

### **Day 1 – Tuesday, 14 April 2020**

- Zoology, diversity of the animal world • Endangered species and their importance • Skeletons vs exoskeletons • Skin, coats and armour • Fascinating life of penguins

### **Day 2 – Wednesday, 15 April 2020**

- Palaeontology and Dinosaurs • Animal superpowers • Bats, dolphins and echolocation • Bees, snakes, shrimps and their amazing vision

### **Day 3 – Thursday, 16 April 2020**

- The amazing brain of dauphins • The intelligent spiders • Fantastic insects and why they are important • Snails vs Slugs

### **Day 4 – Friday, 17 April 2020**

- Jane Goodall, Dian Fossey and the great apes • Do we still evolve? • What is DNA? • Should extinct species be brought back to life?