

May Half Term Science Camps 2026



The Power of Chemistry: Understanding Elements, Compounds, and Reactions

Dates: May 24-28, 2026

Daily Schedule

Day 1

- What is Chemistry? From the first Alchemists to modern Chemists
- The Chemistry in the kitchen
- What is the matter? Incredible atoms and the Periodic Table
- Hydrogen and Helium: The Universe's first Elements
- Molecules in Motion: Understanding How Atoms Connect
- **Big Science:** Chemical bonding: How the Elements interact

Day 2

- Explosive Chemical Reactions and amazing Physical changes
- What are the States of Matter? From the Coldest Condensates to the Hottest Plasma
- Non-Newtonian Liquids that break all the Rules!
- **Big Science:** Nothing Disappears: Lavoisier and the Law of Conservation of Mass
- The Properties of Matter – Amazing Materials of the Future

Day 3

- The Science of Density: Why Some Things Weigh More Than Others
- The Chemistry of Water: Small Molecule, Big Impact
- **Big Science:** Water vs. Hydrogen Peroxide: A Tale of Two Molecules
- Corrosive Acids and Caustic Alkalis

- The Element of Life: Adventures with Carbon
- Can you freeze a Gas? Experiments with Carbon Dioxide

Day 4

- Heavy Metal: The Metallic Elements and their Properties
- **Big Science:** The Superpowers of Iron and Copper
- Rubber Ducks and Polymers: The Secret Behind Squishy Toys!
- **Big Science:** Making Polymers: Exploring the Chemistry of Chains and Networks
- Plastic and Paper: Recycle, Reuse, and Reduce!
- Fireworks: Chemistry in the Sky
- Forensic Science: Uncovering Clues with Chemistry

Day 5

- The Elements in Your Body: Stardust in Every Cell
- Radioactive! Marie Curie and the most Dangerous Elements
- Dorothy Hodgkin and the beautiful World of Crystals.
- Experiments with Chromatography- the Chemistry of Colour