

## Year 5/6 pupils – Chemistry Day: Solids, Liquids and Gases

Date of course	Times	Venue	Cost	Max. places	Subject
Tuesday 11 <sup>th</sup> January 2022	9.30am – 3.30pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

Exploring the realms of chemistry helps us understand the materials that form the world we live in, their characteristics and properties, how substances react together and the different states of matter. All vital to our existence and survival, and, wonderfully exciting to investigate. The course enables children to develop their scientific experiences and understanding. As scientists, they will be engaged by hands on, practical, activities and develop their thinking by considering theories and models. Together, we shall \*build solid foundations of knowledge, \*let our imaginations flow and our enthusiasm bubble over !

### Guidance criteria for identifying participants:

- Have enquiring minds and a desire to explore.
- Enjoy science and question their surroundings, experiences and theories.
- Be able to work sensibly, independently and in groups, developing their ideas.

### Course tutor

**Peter Sainsbury** has taught both KS1 and KS2 in a variety of Middle and Primary schools. Throughout his thirty years in education, including two Deputy Headships and two Acting Headships, he has been able to pursue his interests in science, leadership and classroom practice. In 2012 he was delighted to receive the National Primary Teaching Award from the Institute of Physics (IOP). A Fellow of the Primary Science Teaching College, Peter has expanded his science outreach nationally and is currently working part time at Winterbourne Earls C of E Primary School, Salisbury and with the Primary Science Teaching Trust as Advisor for their Cluster Programme.

### As a result of coming on the course you will have:

- Discover more about materials and their properties.
- Deepen your understanding of solids, liquids and gases (including changes of state).
- Be challenged by elements, atoms and molecules, thinking through how materials are constructed.

### You will also:

- Discover the 'delights and mysteries' of gases by exploring carbon dioxide.
- Use a variety of everyday items to expand your understanding of chemistry.
- Apply your brain power as you grapple with scientific models to explain ideas and theories.

**Students will not be required to bring any specific materials or resources with them, although basic pencil case equipment may be helpful. It is not advisable to wear your best clothes as we may be a bit messy.**

**Lunch and refreshments are provided.  
School uniform is not required. No mobile phones.**