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| **Date of course** | **Times** | **Venue** | **Cost** | **Max. places** | **Subject** |
| **Tuesday 17th May 2022** | **9.30am – 3.30pm** | **Braeside Education Centre** | **£60** | **16** | **ScienceAGAT** |

**Year 3/4 pupils –** **Physics Day: Get Your Cognitive Cogs Turning**

**Course details**

The study of our World through Physics helps us understand the existence of forces and motion, how they operate in nature and the universe and how we can use them to enhance our lives. The course will immerse children in hands on experiences and investigations to develop their scientific understanding of Forces, Friction and Cogs, Gears, Pulleys and Levers.

As scientists, they will be engaged in practical activities and consideration of theories and models. We shall push ourselves cognitively, pull out ideas to test, rub our brain cells together and set in motion our inquisitiveness. The whole day is geared to engage, challenge and enthuse.

**Guidance criteria for identifying participants:**

* Should have enquiring minds and a desire to explore
* Should enjoy science and question their surroundings and experiences
* Should be able to work 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 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 at Winterbourne Earls C of E Primary School, Salisbury and for the College. As an elected member of the Royal Microscopical Society (RMS) he has developed this course to share his enthusiasm for microscopes and help children discover the wonders that they bring.

**As a result of attending the course you will have:**

* Have been challenged by Forces, Friction and Motion
* Investigated difference phenomena, laws and theories
* Explored how we can use science in our lives

**Students should bring:**

Students will not be required to bring any specific materials or resources with them, although basic pencil case equipment may be helpful.

**Lunch and refreshments are provided.**

**School uniform is not required.
No mobile phones.**