Developing Subject Knowledge & Working Scientifically in Physics

Educator Solutions

This one day course will equip the class teacher with both subject knowledge, proven pedagogy and strategies with which to teach Physics in the primary phase.

Course Outline

This course builds participants' subject knowledge in Physics through reflection on practical activities, observations and investigation. As such it has a focuses on the subject knowledge needed to teach the programmes of study, and the pedagogy of Working Scientifically; participants will leave with a bank of practical investigations that can easily be used in the classroom.

Science educators have identified four big ideas in the teaching of physics:

- Objects can affect other objects at a distance.
- Changing the movement of an object requires a net force to be acting on it.
- The total amount of energy in the Universe is always the same but can be transferred from one energy store to another during an event The total amount of energy in the Universe is always the same but can be transferred from one energy store to another during an event.
- Our solar system is a very small part of one of billions of galaxies in the Universe.

The course develops these ideas at an age appropriate level so that the programmes of study of electricity, forces and magnets, the earth in space, and light and sound can be taught in a coherent way.

By the end of the session participants will:-

- have a clear and detailed understanding of the physics component of the National Curriculum
- have experience of practical investigations that can be used to teach physics at an appropriate level
- have an understanding of the progression of developing physical concepts in teaching
- Be confident in teaching physics

Phase
Primary

Audience
Teacher, NQTs, Returners to Teaching, Subject Leader

Trainer
Kevin Blogg

Date
17/01/2018

Time
9:30 am – 4:00 pm

Venue
Norwich Professional Development Centre

Cost
£165 per delegate

Course Ref
TLS-1117-T027

For more information and to make a booking
www.educatorsolutions.org.uk or call 01603 307710