

# Learning Science through Critical Thinking

**Explore how the principles of critical thinking can be used to develop pupil's understanding of scientific concepts.**

## Course Outline

The National Curriculum stresses that working scientifically – an enquiry based approach – is at the heart of teaching and learning in science.

This course applies the principles of critical thinking – conceptualizing, applying, analyzing, synthesizing, and evaluating – to investigations in science so as to build secure subject knowledge in the learner as recent research has shown that good subject knowledge best comes from direct instruction.

## By the end of the course participants will:-

- be able to apply the skills of critical thinking to enhance their teaching of the Working Scientifically strand of the National Curriculum
- have more confidence in using investigations to teach scientific knowledge
- understand how to use investigations to develop pupil's scientific knowledge
- be equipped to use critical thinking in each of the five ways of Working Scientifically: observing over time, pattern seeking, classifying, comparative and fair testing and using secondary sources

## Phase

Primary

## Audience

Teacher, NQT, Returners to Teaching, Subject Leader

## Trainer

Kevin Blogg

## Date

06/12/2017

## Time

9:30 am – 4:00 pm

## Venue

Norwich Professional Development Centre

## Cost

£165 per delegate

## Course Ref

TLS-1217-T009



**For more information and to make a booking**

**[www.educatorsolutions.org.uk](http://www.educatorsolutions.org.uk) or call 01603 307710**