

GCSE CORE PRACTICALS

Description

Have you been asked to teach GCSE Physics topics but do not feel comfortable / familiar with the practical work. This workshop will enable you to actually do the key experiments and explore alternative approaches. It will also check your understanding of key concepts such as precision and accuracy.

What will it cover?

- The specific heat capacity of one or more materials.
- The effectiveness of different materials as thermal insulators and the factors that may affect them
- Use circuit diagrams to set up and check appropriate circuits to investigate the factors affecting the resistance of electrical circuits.
- Use circuit diagrams to construct appropriate circuits to investigate the I–V characteristics of a variety of circuit elements
- The densities of regular and irregular solid objects and liquids.
- The relationship between force and extension for a spring.
- The effect of varying the force or mass on the acceleration of an object produced by a constant force.
- Measure the frequency, wavelength and speed of waves in a ripple tank and waves in a solid
- The reflection of light by different types of surface and the refraction of light by different substances.
- How the amount of infrared radiation absorbed or radiated by a surface depends on the nature of that surface.

Cost Free

Venue Brooke Weston Teaching School, Corby, Northants NN18 8LA

Time 10:00- 15:30

Date 8th January 2019

To book for these workshops

- Visit the TalkPhysics site at www.talkphysics.org
- Click on the Events menu at the top of the page
- Scroll down to this event and book

Or try the link

<https://www.talkphysics.org/events/gcse-core-practicals/>

National Teaching School
designated by



National College for
Teaching & Leadership

KEY FACTS

DAY COURSE ✓

SECONDARY ✓

PROFESSIONAL DEVELOPMENT

PROGRAMME ✓

Brooke Weston Teaching School

Established in 2011 after being one of the first schools in the country to be granted Teaching School status. We have forged partnerships with professionals across the East Midlands, ranging from primary through to higher education providers.

Why choose us?

Brooke Weston is rated as Outstanding by OFSTED and has a longstanding commitment to and experience of supporting the professional development of teachers and leaders.

Contact the team

t: 01536 397013

w: brookewestonteachingschool.org

e:

teachingschool@brookeweston.com

twitter: @bwteachschool

We welcome you to get in touch with any questions you may have regarding:

- Membership information
- Programme Information and bookings
- Teacher training options

Contact: Peter Tiktin
(peter.tiktin@iop.org)

Available spaces: 30

