

Waves- How to explore the invisible

Description

Science teachers, particularly non-physicists and/or new teachers, who are being asked to teach physics GCSE topics. Technicians who are asked to support this practical work. This workshop will enable you to try out the relevant experimental work and explore the underlying physics.

What will it cover?

- Waves – transverse and longitudinal
- Ripple tanks
- Light
 - a) production and detection
 - b) properties
 - c) lenses / mirrors
 - d) total internal reflection
 - e) uses
- Other electromagnetic waves including microwaves, infrared, and ultraviolet
 - a) production and detection
 - b) properties
 - c) uses
- Wave equation
- Sound
 - a) production and detection including use of a cathode ray oscilloscope
 - b) properties
 - c) uses

Cost Free

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

Time 10:00- 15:30

Date 22nd 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/waves-how-to-explore-the-invisible/>

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

