

## Strengthening Subject Knowledge in Physics

Effective teaching of scientific enquiry is central to developing children's ideas, skills, knowledge and understanding in science. You will be able to implement strategies for planning, resourcing and organising a range of types of enquiry in order to improve children's outcomes. This session will focus specifically on the teaching of the physics component of the primary curriculum and how those concepts progress through the different key stages. For example how seasonal changes links to light and how the changing shapes of objects is achieved through applying forces.

### Outcomes

- demonstrate increased knowledge of progression in scientific enquiry
- implement a wide range of strategies for planning, resourcing and organising enquiry based around the physics units in the primary curriculum
- gain confidence in your subject knowledge and understanding in physics
- identify and challenge misconceptions



"[I am] much more confident with teaching physics topics."

Amy Handley, 2016 participant

**Date:** 26 March 2018, 1.30pm – 4.20pm

**Location:** Ash Grove Academy  
Macclesfield, SK11 7TF

**Pricing:** State funded School or  
College £90.00 + VAT

Fee paying School or College  
(Independent) £120 + VAT

**Book now at [www.stem.org.uk](http://www.stem.org.uk) Search for course code RA112 C01**

# What are you looking for?

## PROFESSIONAL DEVELOPMENT

We offer high-impact professional development across the UK, and online, based on the latest developments in both pedagogy and STEM subjects. We can also tailor professional development to your school's specific needs with our bespoke CPD.

## CAREERS EDUCATION

As well as a host of excellent resources on our website including the Careers Toolkit, we also run the STEM Insight programme to give you a unique experience in industry or university through inspiring placements.

## INSPIRATION

We've got a host of ways to help you inspire your students: why not bring a STEM Ambassador into your school to talk about STEM subjects and careers, or start a STEM Club to build confidence and teamwork skills?

## COMMUNITY

Share your ideas and challenges with teachers and technicians through our online groups and at our networking events. And join us on Twitter - we have over 20,000 like-minded educators following us.



National STEM Learning  
Centre and Network

## RECOGNITION

Our recognition schemes and awards allow you, your department and school to showcase the impact you have on your students and colleagues.

## RESOURCES

We have over 38,000 quality, STEM teaching resources, available online or at our centre. You can also browse teacher-made resources and submit your own.

STEM Learning operates the National STEM Learning Centre and Network, alongside other projects supporting STEM education

[www.stem.org.uk](http://www.stem.org.uk)