

# CPD or M Level Module

# **Inquiry Based Science**

This module draws from current research dealing with inquiry based learning in an international context. Comparisons between the achievements of learners are explored through data arising from TIMMS (Trends in International Maths and Science Study) and the Rocard Report (2007). Sessions include practical workshops where you'll actively cooperate in groups to design and carry out scientific investigations. You'll study research projects from the European Union – innovations in science teaching across Europe and Latin/South America - and be introduced to European and British research literature on this approach to teaching and learning in the primary school.

This module of 30 master level credits can count towards the award of full Masters qualifications (such as the LSBU MA in Education) or can be taken as a CPD course without assessment by qualified teachers.

You'll learn how to plan for and teach inquiry based science with competence and confidence, including across age phases and specific groups for inclusion. The opportunities provided for practical work in science from raising questions to finding suitable investigations that can help answer such questions is a unique feature of this module.

### Topics

- What is Inquiry Based Learning?
- Trialing inquiry based learning in schools
- Sound and friction linked to modeling invisible concepts
- Gender and diversity in science teaching and learning
- Supporting colleagues in school in organising, managing and assessing innovative inquiry based science learning

### Career Opportunities

This module introduces you to the fundamental knowledge, understanding and skills that are required to be an excellent teacher of inquiry based science. In addition it prepares you for aspects of management roles in school with regard to science and enables them to manage the work of others and the strategic planning of science across the whole school or specific age phase.

### Professional and industry links

This module gives you the opportunity to gain practical experience of trialing inquiry based learning within and outside of the centre. Sessions on making the imperceptible - modeling invisible structures and concepts - will be held outside of the university, either in school or a science centre. In addition, you'll learn how to use networking opportunities in the industry and spend time evaluating online resources.

### Entry requirements

- You are required to have an interest in inquiry based science and experience of classroom teaching.

### Location

Southwark Campus

### Duration

Taught input 10 half days – Friday afternoons.  
Self-study for assessment

### Start date

September.  
January (where there is a viable expression of interest)

### How to apply

For more information on how to apply for this module please contact:  
course.enquiry@lsbu.ac.uk  
0800 923 88 88

### Fees

M Level with assessment and full enrolment £900.

CPD £500.

Our enhanced partnership schools qualify for a 25% discount.

If you want to find out more about becoming an enhanced partner with LSBU please contact the partnership team: [ahsschoolspartnerships@lsbu.ac.uk](mailto:ahsschoolspartnerships@lsbu.ac.uk)

### Module Contact

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