



SCIENCE LEARNING PARTNERSHIP

# COURSE BROCHURE

January to March 2021



# WELCOME

STEM Learning's vision is a world-leading STEM (Science, Technology, Engineering, and Maths) education for every young person in the UK. This vision combines knowledge-rich and effective teaching, thinking, investigative, creative and practical skills.

STEM subjects are seen as critically important to the UK's future economic success post COVID-19. STEM Learning is a UK-wide organisation and the largest provider of education and careers support in STEM. We work with thousands of schools, colleges and employers to promote all aspects of STEM to young people, so they are more likely to choose STEM careers in the future, while ensuring industries that employ STEM-educated role models (STEM Ambassadors), are meaningfully linked to schools, to inspire a new generation, giving young people the future skills they need.

Investing in science and computing teachers is crucial to the overall vision. STEM Learning helps teachers and teaching support staff to access high quality continuing professional development (CPD) that has demonstrated measurable impact on teachers, their students and their schools. Teachers can access CPD support through intensive residential CPD, local sessions from our unique UK-wide Science Learning Partnership (SLP) network and National Centre for Computing Education (NCCE) Computing Hub network plus a number of online formats.

Quality CPD has been shown to encourage teacher retention: science teachers are 160% more likely to remain in the profession if they take part in our CPD, rising to 190% for newly qualified teachers.

STEM Learning delivers over 50,000 days of CPD each year. The challenges COVID-19 has created led STEM Learning to drive forward new remote and online CPD support for teachers and support staff, helping teaching staff become more confident, supporting their well-being, in addition to helping them teach more effectively in the classroom improving outcomes for young people.

We hope that you will be able to utilise this support that the SLPs in the South East, London and South West, along with the NCCE Computing Hubs and the STEM Ambassador Hubs are able to provide and help us to continue to support schools and colleges by increasing the awareness of the excitement and opportunities a career in STEM can bring to all young people, irrespective of background and gender.

**Heidi Foxford, Shelley Hancock and Dr Ajay Sharman**

*Regional Leads for STEM Learning Ltd*



# OVERVIEW OF SLPs ACROSS SOUTH OF ENGLAND

As schools face the challenges of reopening, your local SLPs are here to support you. Working with our colleagues across the South, we are really pleased to be able to offer you a large range of remote courses this term.

Our facilitators are committed to deliver affordable CPD that meets your needs and has a positive impact for both teachers and students. In addition to the online courses advertised, we will be holding regular teacher network meetings to discuss current issues and share good practice.

We look forward to meeting teachers at our future events and if possible, please share this CPD information with colleagues. It is only through your support that we can offer these courses at reduced prices and please do not hesitate to contact us should you require more bespoke training for your department or school.

# Welcome to SLP's located across South of England



## Cornwall SLP

Truro and Penwith College, TR1 3XX  
E: [cornwall-slp@truro-penwith.ac.uk](mailto:cornwall-slp@truro-penwith.ac.uk)  
T: 01872 267000



## Dorset & South Wiltshire SLP

Queen Elizabeth's School, BH21 4DT  
E: [mhoward@queenelizabeths.com](mailto:mhoward@queenelizabeths.com)  
T: 01202 885233



## Sussex SLP

Downlands Academy, BN6 8LP  
E: [SussexSLP@downlands.org](mailto:SussexSLP@downlands.org)  
T: 01273 845892



## Central & West London SLP

Westminster Academy, W2 5EZ  
E: [a.memon@westminsteracademy.org.uk](mailto:a.memon@westminsteracademy.org.uk)  
T: 02071 210600



## Devon SLP

Broadclyst Community Primary School, EX5 3JG  
E: [phoebe.davies@tcat.education](mailto:phoebe.davies@tcat.education)  
T: 01392 461288



## Hampshire & Isle of Wight SLP

St George Catholic School, SO16 3DQ  
E: [slp@stgcc.co.uk](mailto:slp@stgcc.co.uk)  
T: 02380 322603



## Kent & Medway SLP

Rainham Mark School, ME8 7AJ  
E: [thestemhub@canterbury.ac.uk](mailto:thestemhub@canterbury.ac.uk)  
T: 01227 922662



## North & East London SLP

Alexandra Park School, N11 2AZ  
E: [nelondon-slp@alexandrapark.school](mailto:nelondon-slp@alexandrapark.school)  
T: 02088 264914



## Somerset SLP

Somerset Partnership Teaching School (Fiveways School), BA21 5AZ  
E: [officespts@educ.somerset.gov.uk](mailto:officespts@educ.somerset.gov.uk)  
T: 01935 411384



## Surrey SLP

George Abbot School, GU1 1XX  
E: [gsutton@gepacademies.com](mailto:gsutton@gepacademies.com)  
T: 01483 888047



## South London SLP

Newstead Wood School, BR6 9SA  
E: [slp@newsteadwood.co.uk](mailto:slp@newsteadwood.co.uk)  
T: 01689 853626 ext 336



## South Central SLP

St Clement Danes School, WD3 6EW  
E: [enquiries@hertsandbucksta.co.uk](mailto:enquiries@hertsandbucksta.co.uk)  
T: 01923 284169



# FURTHER EDUCATION

## Effective delivery of blended practical work (Post-16)

Delivery of practical science is likely to remain a challenge for a considerable time, given the current climate of uncertainty. It is therefore timely to look at strategies, techniques and resources that can support the delivery of practical science via blended delivery methods. The purpose of this course will be to evaluate different methods of blended delivery which can support learners to develop their practical knowledge and skills. You will gain insight from case studies of FE Colleges that have successfully adopted a blended approach, identify various resources that can assist with blended delivery of practical science and learn from current practitioners

### Outcomes

You will be able to:

- Understand how the research around delivery of good practical science can be mapped to a blended model of delivery
- Evaluate strategies, techniques and resources that support remote delivery of practical science lessons
- Evaluate case studies of blended practical science delivery
- Develop strategies to maximise the impact of face to face practical science lessons

**The course duration is 3 hours and is delivered with 2 hours of facilitated and 1 hour of participant gap tasks.**

### 1st Instance

Course consists of 2 facilitated sessions, starting on:

**THURSDAY 11 FEBRUARY at 10:00-11:00**

Then follows as:

**THURSDAY 25 FEBRUARY at 10:00-11:00**

To book your place visit: <https://bit.ly/effdelblendpwpost16feb21>

### 2nd Instance

Course consists of 2 facilitated sessions, starting on:

**THURSDAY 25 MARCH at 10:00-11:00**

Then follows as:

**THURSDAY 01 APRIL at 10:00-11:00**

To book your place visit: <https://bit.ly/effdelblendpwpost16mar21>

Online Platform: Zoom

Cost: Maintained School: £60 | Non-Maintained School: £120

## Preparing to Teach Level 3 BTEC Applied Science

This course will help you to prepare for teaching Level 3 BTEC Applied Science (NQF) and will focus on pedagogical methods, ideas and resources to teach the first three mandatory units (Unit 1 (Principles and Application of Science I), Unit 2 (Practical Scientific Techniques and Procedures) and Unit 3 (Science Investigative Skills)). You will learn how to deliver these units in an accessible and engaging way, within an applied context. The course will also focus on the most effective methods to prepare learners for externally assessed components of the specification.

### Outcomes

You will be able to:

- effective methods for the teaching of key scientific topics
- how to link the subject content to applied contexts and examples
- how to prepare your learners for the demands of external assessment

**The course duration is 5 hours and is delivered with 3 hours of facilitated and 2 hours of participant gap tasks.**

### 1st Instance

Course consists of 3 facilitated sessions, starting on:

**WEDNESDAY 27 JANUARY at 16:00-17:00**

Then follows as:

**MONDAY 01 FEBRUARY at 16:00-17:00**

**WEDNESDAY 03 FEBRUARY at 16:00-17:00**

To book your place visit: <https://bit.ly/preteachlevel3BTECappliedsciencejan21>

### 2nd Instance

Course consists of 3 facilitated sessions, starting on:

**TUESDAY 09 MARCH at 16:00-17:00**

Then follows as:

**THURSDAY 11 MARCH at 16:00-17:00**

**FRIDAY 12 MARCH at 16:00-17:00**

To book your place visit: <https://bit.ly/preteachlevel3BTECappliedsciencemar21>

Online Platform: Adobe Connect

Cost: Maintained School: £100 | Non-Maintained School: £200

## SKE for Level 3 BTEC Applied Science Unit 1 - Biology

This course will help you to prepare for teaching Level 3 BTEC Applied Science (NQF) and will focus on the subject knowledge needed to teach the biology component of Unit 1 (Principles and Application of Science I) - Structure and Functions of Cells and Tissues.

The course will also provide insight into some teaching approaches and resources that can be used to deliver this topic.

### Outcomes

You will be able to:

- enhance your subject knowledge of the topic ‘Structure and Functions of Cells and Tissues’
- gain insight into teaching approaches that could be used for this topic
- identify resources that can be used to support the teaching of this topic

**The course duration is 3 hours and is delivered with 2 hours of facilitated and 1 hour of participant gap tasks.**

### 1st Instance

Course consists of 2 facilitated sessions, starting on:

**MONDAY 11 JANUARY at 16:00-17:00**

Then follows as:

**THURSDAY 14 JANUARY at 16:00-17:00**

To book your place visit: <https://bit.ly/skelevel3BTECappliedsciencebiologyjan21>

### 2nd Instance

Course consists of 2 facilitated sessions, starting on:

**MONDAY 22 FEBRUARY at 16:00-17:00**

Then follows as:

**THURSDAY 25 FEBRUARY at 16:00-17:00**

To book your place visit: <https://bit.ly/skelevel3BTECappliedsciencebiologyfeb21>

Online Platform: Adobe Connect

Cost: Maintained School: £60 | Non-Maintained School: £120

*“A really helpful course full of ideas that I can put into practice straight away”*

Hampshire & Isle of Wight SLP

## SKE for Level 3 BTEC Applied Science Unit 1 - Chemistry

This course will help you to prepare for teaching Level 3 BTEC Applied Science (NQF) and will focus on the subject knowledge needed to teach the chemistry component of Unit 1 (Principles and Application of Science I) - Periodicity and Properties of the Elements.

The course will also provide insight into some teaching approaches and resources that can be used to deliver this topic.

### Outcomes

You will be able to:

- enhance your subject knowledge of the topic 'Periodicity and Properties of the Elements'
- gain insight into teaching approaches that could be used for this topic
- identify resources that can be used to support the teaching of this topic

**The course duration is 3 hours and is delivered with 2 hours of facilitated and 1 hour of participant gap tasks.**

### 1st Instance

Course consists of 2 facilitated sessions, starting on:

**MONDAY 08 FEBRUARY at 16:00-17:00**

Then follows as:

**THURSDAY 11 FEBRUARY at 16:00-17:00**

To book your place visit: <https://bit.ly/skelevel3BTECappliedsciencechemfeb21>

### 2nd Instance

Course consists of 2 facilitated sessions, starting on:

**MONDAY 22 MARCH at 16:00-17:00**

Then follows as:

**THURSDAY 25 MARCH at 16:00-17:00**

To book your place visit: <https://bit.ly/skelevel3BTECappliedsciencechemmar21>

Online Platform: Adobe Connect

Cost: Maintained School: £60 | Non-Maintained School: £120

## SKE for Level 3 BTEC Applied Science Unit 1 - Physics

This course will help you to prepare for teaching Level 3 BTEC Applied Science (NQF) and will focus on the subject knowledge needed to teach the physics component of Unit 1 (Principles and Application of Science I) - Waves in Communication.

The course will also provide insight into some teaching approaches and resources that can be used to deliver this topic.

### Outcomes

You will be able to:

- enhance your subject knowledge of the topic 'Waves in Communication'
- gain insight into teaching approaches that could be used for this topic
- identify resources that can be used to support the teaching of this topic

**The course duration is 3 hours and is delivered with 2 hours of facilitated and 1 hour of participant gap tasks.**

### 1st Instance

Course consists of 2 facilitated sessions, starting on:

**WEDNESDAY 27 JANUARY at 16:00-17:00**

Then follows as:

**WEDNESDAY 03 FEBRUARY at 16:00-17:00**

To book your place visit: <https://bit.ly/skelevel3BTECappliedsciencephysicsjan21>

### 2nd Instance

Course consists of 2 facilitated sessions, starting on:

**TUESDAY 09 MARCH at 16:00-17:00**

Then follows as:

**TUESDAY 16 MARCH at 16:00-17:00**

To book your place visit: <https://bit.ly/skelevel3BTECappliedsciencephysicsmar21>

Online Platform: Adobe Connect

Cost: Maintained School: £60 | Non-Maintained School: £120

*"I thoroughly enjoy coming to these sessions. My CPD has improved no end in leading science."*

Surrey SLP



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