

The University of Hertfordshire's Centre for STEM Education, in partnership with the Hertfordshire and Essex SLP, is pleased to offer an exciting programme of continuing professional development

We have a blended offering of CPD, with some being delivered online and others face to face, subject to government guidelines in respect of Covid-19.

Courses at a glance:

Science Leadership

- Making an impact in EYFS: A science subject leaders' guide to developing good practice ([page 2](#))
- Intent, implementation and impact: Using the Ofsted framework to strengthen leadership of the primary science curriculum ([page 2](#))

Teaching for impact across the primary phase

- Exploring science in KS1 ([page 3](#)) *remotely delivered*
- Engaging science in KS1 ([page 4](#))
- Exploring science in KS2 ([page 3](#)) *remotely delivered*
- Engaging science in KS2 ([page 3](#))
- Making an impact in EYFS: Science as an enabling environment for early literacy skills ([page 3](#))
- Making an impact in EYFS: Using the outdoors to promote 'Understanding of the World' ([page 4](#))

Developing good practice in primary science

- Developing effect assessment practice in primary science ([page 4](#)) *remotely delivered*
- What is Engineering? ([page 5](#))
- Developing scientific enquiry in the primary classroom ([page 5](#)) *remotely delivered*
- Developing working scientifically outside the classroom ([page 5](#))
- Developing approaches to linking maths and science – primary ([page 5](#)) *remotely delivered*

Primary science network meetings

- North Herts subject leader network ([page 6](#))
- EYFS online primary STEM network ([page 6](#)) *remotely delivered*
- Primary science network meeting – supported by Whipsnade Zoo ([page 7](#))

Whole school primary science professional development staff meetings ([page 7](#))

To book: search for the course code listed at www.stem.org.uk/cpd or click on the course code link
(Please note the course fees shown are for state-maintained schools; more information is on the website)

Science leadership: *face to face*

Course/Event	Information	Details	Fee
<p>Making an impact in EYFS: A science subject leaders' guide to developing good practice</p> <p>Face to Face: University of Hertfordshire</p> <p>Course Code: RH028 B01</p>	<p>This course will help primary science subject leaders understand the complexities of the Early Years Foundation Stage and identify ways to support and develop teaching and learning in the context of 'Understanding the World'.</p>	<p>26/01</p> <p>09:30-16:00</p>	<p>£185 +VAT</p>
<p>Intent, Implementation and Impact: Using the Ofsted framework to strengthen leadership of the primary science curriculum</p> <p>Face to face: Hertfordshire & Essex High School and Science College, Bishop's Stortford</p> <p>Course code: RH184 B03</p>	<p>This course will guide science subject leaders through the aims of the Ofsted framework to develop confidence and understanding. Participants will be encouraged to evaluate the intent, implementation and impact of their school science curriculum and identify ways to drive improvements.</p>	<p>28/02</p> <p>09:30 – 15:30</p>	<p>£185 +VAT</p>

The course content was excellent...I found the pace and content were pitched perfectly for a subject leader.

Participant of Intent Implementation and Impact – using the Ofsted framework

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Teaching for impact across the primary phase: *face to face & remotely delivered*

Course/Event	Information	Details	Fee
<p>Exploring science in KS1</p> <p>Remotely delivered</p> <p><u>Course code: RH198 B77</u></p>	<p>This online course will enable you to build confidence around the KS1 science curriculum. You will reinforce your own subject knowledge, develop the use of tools and strategies to support high quality teaching, both with specific reference to key stage 1 national curriculum requirements, and develop strategies that help to tackle pupils' common misconceptions.</p>	<p>27/01</p> <p>13:30 – 16:30</p>	<p>£50 + VAT</p>
<p>Engaging science in KS2</p> <p>Face to Face: Hertfordshire & Essex High School and Science College, Bishop's Stortford</p> <p><u>Course code: RH183 B02</u></p>	<p>This course will enable you to plan and embed a progressive and engaging curriculum to meet the needs of your pupils. You will reinforce your own subject knowledge, develop the use of tools and strategies to support high quality teaching, both with specific reference to KS2 national curriculum requirements, and develop strategies that help to tackle pupils' common misconceptions. Your learning will support the implementation of a broader, balanced and engaging curriculum for your KS2 pupils.</p>	<p>07/02</p> <p>13:15 – 16:30</p>	<p>£95 +VAT</p>
<p>Making an impact in EYFS: Science as an enabling environment for early literacy skills</p> <p>Face to Face: University of Hertfordshire</p> <p><u>Course Code: RH027 B01</u></p>	<p>This course will help you to use science as an engaging context in the Early Years Foundation Stage to support the development of children's early literacy skills.</p>	<p>10/02</p> <p>09:30 – 16:00</p>	<p>£185 +VAT</p>
<p>Exploring science in KS2</p> <p>Remotely delivered</p> <p><u>Course code: RH198 B79</u></p>	<p>This online course will enable you to build confidence around the KS2 science curriculum. You will reinforce your own subject knowledge, develop the use of tools and strategies to support high quality teaching, both with specific reference to key stage 2 national curriculum requirements, and develop strategies that help to tackle pupils' common misconceptions.</p>	<p>24/02</p> <p>13:30 – 16:30</p>	<p>£50 +VAT</p>

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Course/Event	Information	Details	Fee
<p>Making an impact in EYFS: Using the outdoors to promote 'Understanding of the World'</p> <p>Face to Face: University of Hertfordshire</p> <p>Course Code: RH029 B02</p>	<p>This course will help you use the outdoor environment to support teaching and learning in the Early Years Foundation Stage and create a stimulating context for young children to 'Understand the World'.</p>	<p>10/03</p> <p>09:30 – 16:00</p>	<p>£185 +VAT</p>
<p>Engaging science in KS1</p> <p>Face to Face: John Donne Primary School, Bedford</p> <p>Course code: RH182 B02</p>	<p>This course will enable you to plan and embed a progressive and engaging curriculum to meet the needs of your pupils. You will reinforce your own subject knowledge, develop the use of tools and strategies to support high quality teaching, both with specific reference to KS1 national curriculum requirements, and develop strategies that help to tackle pupils' common misconceptions. Your learning will support the implementation of a broader, balanced and engaging curriculum for your KS1 pupils.</p>	<p>16/06</p> <p>13:30 – 16:45</p>	<p>£95 +VAT</p>

Developing good practice in primary science: *face to face & remotely delivered*

Course/Event	Information	Details	Fee
<p>Developing effective assessment practice in primary science</p> <p>Remotely delivered</p> <p>Course code: RH198 B63</p>	<p>Identify ways good 'level-less' assessment practice can be integrated and embedded into science teaching to secure understanding about children's achievements, progress and next steps. Participants will deepen their understanding about curriculum progression in primary science and develop strategies for effective confident assessment.</p>	<p>31/01</p> <p>14:00 – 16:30</p>	<p>£50 +VAT</p>

What did you find most useful...?

Talking about the different ways of recording children's learning and the resources that were recommended.

Participant of Developing effective assessment practice in primary science

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Course/Event	Information	Details	Fee
<p>What is Engineering?</p> <p>Face to face: University of Hertfordshire</p> <p>Course code: <u>RH090 B01</u></p>	<p>This course provides an introduction to engineering at primary level. It provides participants with an understanding of what engineering is and how it may be introduced to children at primary level.</p>	<p>01/02</p> <p>09:30 – 15:30</p>	<p>£185 +VAT</p>
<p>Developing scientific enquiry in the primary classroom</p> <p>Remotely delivered</p> <p>Course code: <u>RH198 B78</u></p>	<p>This online course explores working scientifically in the primary classroom and considers how to embed this aspect into the science curriculum to support the development of children’s conceptual understanding. We will consider how to develop each enquiry type specified in the national curriculum and consider the progression of skills across the primary phase.</p>	<p>02/02</p> <p>13:30 – 16:30</p>	<p>£60+VAT</p>
<p>Developing working scientifically outside the classroom</p> <p>Face to face: RSPB Rye Meads, Herts</p> <p>Course code: <u>RH025 B02</u></p>	<p>Effective strategies which embrace working scientifically outside the classroom enhance enquiry skills. You will be able to build on, and extend, children’s abilities by applying different approaches to plan and resource rich learning opportunities.</p>	<p>14/03</p> <p>09:30 – 15:30</p>	<p>£185 +VAT</p>
<p>Face to face: Hazeldene School, Bedford</p> <p>Course code: <u>RH025 B03</u></p>		<p>24/03</p> <p>09:30 – 15:30</p>	<p>£185 +VAT</p>
<p>Developing approaches to linking maths and science - primary</p> <p>Remotely delivered</p> <p>Course code: <u>RH198 B71</u></p>	<p>This course will help you identify ways to extend and develop children’s mathematical skills within the context of science and promote their scientific learning using their mathematical skills and knowledge. Explore ideas and build opportunities into your science lessons for collecting, analysing and presenting data, deepening children’s understanding and engagement in science and mathematics.</p>	<p>17/03</p> <p>13:00 – 15:30</p>	<p>£50 +VAT</p>

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Primary science network meetings – *face to face & remotely delivered*

Course/Event	Information	Details	Fee
<p>North Hertfordshire primary science subject leaders' network: the complete series</p> <p>Face to face: Round Diamond Primary School, Stevenage</p> <p>To book individual meetings click on relevant course code below:</p>	<p>This is a series of local network meetings facilitated by local teachers to share good practice.</p>	<p>See dates below</p> <p>15:45 – 17:00</p>	<p>£15 +VAT per meeting</p>
<p>Leadership and Ofsted <u>Course code: RH121 B26</u></p>		03/02	
<p>Moderation <u>Course code: RH121 B27</u></p>		24/03	
<p>Digging deeper <u>Course code: RH121 B28</u></p>		12/05	
<p>Scientific vocabulary <u>Course code: RH121 B29</u></p>		23/06	
<p>EYFS Primary STEM network meeting (online): helping young children to 'Understand the World'</p> <p>Remotely delivered</p> <p>To book individual meetings click on relevant course code below:</p>	<p>Are you an Early Years practitioner or teacher looking to develop good practice in science, maths, technology or engineering? If so, then why not join our online EYFS specialist network dedicated to helping you develop teaching and learning in your EYFS setting. These topical sessions will inspire innovative practice promoting 'Understanding of the World' and linking to the prime area of maths, building a community through which we will discuss ideas and share good practice.</p>	<p>See dates below</p> <p>15:45 – 16:45</p>	<p>£15 +VAT per meeting</p>
<p>February <u>Course code: RH121 B35</u></p>		02/02	
<p>March <u>Course code: RH121 B36</u></p>		30/03	

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Course/Event	Information	Details	Fee
<p>Primary science network meeting – supported by ZSL Whipsnade Zoo</p> <p>Face to face: ZSL Whipsnade School, Whipsnade, Dunstable</p> <p>To book individual meetings click on relevant course code below:</p>	<p>Are you looking for primary science inspiration? Then join us for these friendly network meetings hosted by ZSL Whipsnade Zoo, Dunstable, Bedfordshire. In addition to sharing good practice and exploring topical issues with primary science specialists, we will be learning from the expertise of the Zoo's Learning Officers, to support science leadership, teaching and learning across the school.</p>	<p>There will be one meeting per term. See dates below.</p> <p>15:45 – 17:00</p>	<p>£20 +VAT per meeting</p>
<p>March Course code: <u>RH121 B31</u></p>		16/03	
<p>June Course code: <u>RH121 B32</u></p>		22/06	

Whole school primary science professional development staff meetings

Ideal for running as staff meetings and delivered remotely by one of our expert facilitators. Choose from:

- **Essential formative assessment in science**

The Covid-19 pandemic has disrupted the learning of many children and effective formative assessment is key to knowing where children are in their learning.

- **Thinking, Doing, Talking Science**

Based on the successful EEF funded project, this staff meeting will explore the strategies introduced to schools in Oxfordshire that develop higher order thinking skills and promote learning.

- **Working scientifically**

There are many misconceptions about the teaching of science enquiry (Working scientifically) as specified in the National Curriculum. This staff meeting will examine the requirements of working scientifically and consider the ways this can be embedded in the science subject knowledge strands of the curriculum.

£225 + VAT per remotely delivered staff meeting; discounts available if booking more than one.

For further information email stem@herts.ac.uk