

Secondary Science CPD Programme 2026 - 2027



We are an independently funded, school led Science Hub, part of The Herts & Essex Multi-Academy Trust. We offer an exciting programme of high quality, cost-effective continuing professional development developed and delivered by expert teachers, technicians, professional trainers and facilitators.

To register your interest in a course please

- complete the online [BOOKING FORM](#)
- scan the QR code to visit www.the-science-hub.co.uk
- or contact sciencehub@hertsandessex.herts.sch.uk



Quick links to courses

Bespoke offer

CPD for Science Teachers

- **online courses and packages**
- **face to face courses and packages**
- **conferences**
- **other**

CPD for Science Technicians

- **packages**
- **courses**

Contact us

Tel: +44 (0) 1279 654127

E: sciencehub@hertsandessex.herts.sch.uk

Web: www.the-science-hub.co.uk

Eventbrite: thesciencehub.eventbrite.com

Facebook: [/thesciencehub](https://www.facebook.com/thesciencehub)

BlueSky: [thesciencehub.bsky.social](https://bsky.app/profile/thesciencehub.bsky.social)

LinkedIn: [/science-hub-hebm](https://www.linkedin.com/company/science-hub-hebm)

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Bespoke offer

Science departmental meetings – available to book at a date/time/venue most convenient for you. We are happy to run these as joint/trust wide meetings. Please email sciencehub@hertsandessex.herts.sch.uk for a quote. Examples of bespoke meetings include:

- Effective use of mini white boards in the science classroom
- Stretch and Challenge
- Talking for Science (oracy strategies to raise attainment in Science)
- Effective modelling in Science
- Identifying and addressing misconceptions in Science
- Effective lesson design to improve attainment in science
- SKE and subject specific pedagogy (request a topic)

Trusts

If you are part of a Trust and would like us to run any of our courses exclusively for the schools in your trust at a venue and date of your choice please contact sciencehub@hertsandessex.herts.sch.uk.

For multiple school discounted subscription packages please email sciencehub@hertsandessex.herts.sch.uk for a quote.

Requests to run a course

If you would like us to run one of our face to face courses in your school/location, we would need a minimum of 8 delegates to arrange this for you. Please contact sciencehub@hertsandessex.herts.sch.uk

ITT providers

If you would like us to provide science subject specific training to your ITTs/ECTs please contact sciencehub@hertsandessex.herts.sch.uk

Inset days

Take the stress away from organising your science inset time – we can arrange speakers and workshops for a whole day/half day inset sessions for all your science staff. Contact sciencehub@hertsandessex.herts.sch.uk to discuss your requirements.

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CPD for Science Teachers - online courses and packages

Science ECT online package

6 online network meetings and training. 1 every half-term, 4-5pm

1. Behaviour for learning in science – practical strategies that work
2. Health and Safety
3. Teaching difficult concepts – breaking down barriers, making science accessible and engaging
4. Checking for understanding – effective assessment that reduces workload
5. Practical work with purpose
6. Developing scientists and curiosity – oracy, questioning, retrieval and exam success

Teaching KS3 Science Online Package

Strong teaching at KS3 delivered by teachers who are confident in their subject knowledge is essential to engage students and develop critical thinking and curiosity.

This series of courses will explore the fundamental principles that build the foundation to ensure students are GCSE ready. What to teach and how to teach it!

For non-subject specialists and those new to teaching Science KS3.

KS3 Biology

KS3 Chemistry

KS3 Physics

Triple science topics, in partnership with Physics Partners

Get ahead and ensure your science department is ready to offer your students the opportunity to take Triple Science with these Subject Knowledge Enhancement online sessions. Build confidence and secure understanding for teaching of the triple science content.

6 online twilight sessions (1 per half term) covering the Biology, Chemistry and Physics triple science content.



Physics Partners

A Level Environmental Science online network

6 half-termly online meetings led by the expert Richard Genn, author of 'Environmental Science for AQA A level'. An opportunity to share knowledge and resources, training updates and best practice with other A Level Environmental Science teachers.

Maths for A Level Biology

At least 10% of the marks in A Level Biology require the use of mathematical skills. This online course is for Biology teachers who want to increase their understanding of the maths required to successfully teach A Level Biology.

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CPD for Science Teachers - face to face courses and packages

Supporting students with SEND in Secondary Science

For science teachers and TAs supporting students with SEND in secondary science. A 1 day course designed and delivered by The SpLD outreach service and The Science Hub in partnership. This research informed course is a perfect blend of discussion and hands on activities to support both teachers and teaching assistants in ensuring science is accessible to all.

Combined GCSE Science required practicals in a day

Biology	Three 1 day, face to face courses for ECTs, teachers teaching out of their specialism and science technicians supporting either GCSE Biology, Chemistry or Physics. Providing top tips, trouble shooting of equipment, to address the areas that students find challenging conceptually and practically. Practical specific pedagogy so that practical work is carried out effectively and successfully, building teacher and student confidence.
Chemistry	
Physics	

Practicals for GCSE Triple Science

This 1 day hands on face to face course will aim to provide top tips, trouble shooting of equipment, how to address the areas that students find challenging conceptually and practically. Practical specific pedagogy so that practical work is carried out effectively and successfully, building teacher and student confidence.

New to teaching A Level courses

Biology	Three 2 days courses for those who are teaching A Level Biology, Chemistry or Physics for the first time, and for those who are looking for some new ideas to tackle the most common misconceptions and to get the most out of practical work. You will focus on the core A Level topics and practicals, common misconceptions and how to best overcome these. While enhancing subject knowledge, the best pedagogical strategies and resources to maximise student outcomes will be shared.
Chemistry	
Physics	

A Level Environmental Science Training Day

A day of CPD and networking dedicated to those teaching and leading the A Level Environmental Science course. Teaching of Environmental Science at A Level has many challenges including the breadth of scientific knowledge required, the practical skills, the extended writing element and the high demand for mathematical application. This course aims to help teachers address some of these challenges in the classroom to improve the outcomes for their students.

The day will include an exam feedback and Q&A session from the exam board AQA.

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CPD for Science Teachers - conferences

Leaders of Science Conference package

Introducing two 1 day conferences for those Leading Science in their setting to provide leaders with the latest updates in Science education.

The Autumn Term conference will respond to the draft Programme of Study and help leaders plan for the changes to come. Focusing on accessibility and adaptive teaching, embedding literacy, developing pupil practical and working scientifically skills, transition and the KS3 curriculum. There will be networking opportunities to share best practice throughout the day.

The Summer Term conference programme will be developed in response to the publication of the new Science curriculum with insights from the learned societies and Exam Boards, to ensure that delegates leave with an excellent understanding of the changes and demands and clear action plan to move forward. There will be networking opportunities to share best practice throughout the day.

Sustainability in Education Conferences

Kent	This series of regional conferences brings together national and local experts in sustainability in education to help schools deliver on their climate action plans. Through keynote speeches and hands-on workshops, participants will explore ways to adapt school operations through effective leadership for sustainability, boost nature recovery & connection and effectively embed climate & social justice into their curriculum. Discover real-world case studies and leave equipped to lead meaningful change in your school community.
Beds	
Essex	
Suffolk	

Science for ECTs Training Day (suitable for Early Career teachers and non-specialists)

For Early Career Teachers who are teaching Primary and Secondary Science, a 1 day conference of subject specific training to complement the ECF programme.

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CPD for Science Technician packages for schools

Online Package - £125 per school

Termly network online meetings

1 per term to get the latest updates, discuss priorities, share ideas and resources plus guest speakers.

Chemical safety

Fun demos and Technicians as demonstrators

Managing and working with other people

Online Tech Fest, 30th Nov-3rd Dec 2026

Sessions to include:

- Career progression and Professional registration
- Microscale biology
- DNA: Extraction, fingerprinting and gel electrophoresis
- Leadership and Prep-room management
- CLEAPSS update and Q&A

Full Package - £250 per school

Online package plus the following face to face courses/events

A level Biology Practicals

A level Chemistry Practicals

A level Physics Practicals

Tech Fest 2027

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CPD for Science Technicians - courses

Courses upon request

If you would like to host one of the following courses or have a group of Technicians who would like to attend these courses please contact us: sciencehub@hertsandessex.herts.sch.uk

New to the Role of Science Technician

2-day course for new science technicians including understanding the role, navigating CLEAPSS, Health & Safety, chemical use, equipment, requisitions & planning, how to supply materials to class, maintenance tasks... and more!

Health and Safety for the Science Department

This course will cover key areas of concern in science departments and identify good practice in risk assessments for activities.

Chemical Handling

This course will equip you with the tools to safely manage and use chemicals within secondary school science, from delivery to disposal.

Bespoke GCSE Biology/Chemistry/Physics practicals – choose the practicals you would like to cover

For technicians supporting GCSE Science. Providing top tips, equipment trouble shooting and addressing areas students find challenging conceptually and practically. Practical specific pedagogy so that practical work is carried out effectively and successfully.

Chemical stores audit

An in-person review and audit of current practises and chemical stores to ensure your prep rooms are safe and compliant. Training for science technicians to learn how to identify hazards, safely organise storage, and manage waste according to the latest safety guidelines.



Contact us

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