



Welcome back.

Hello readers and welcome back. We hope you are well. ASE Scotland is looking forward to planning events for everyone associated with science education in 2021-22.

Last year, there were schools that took part in the ASE's *Science Teacher SOS*. The project highlighted two problems: What can we do to retain good science teachers? What are the practical things that leaders of science and senior leaders can do? On **Thursday 14th October**, the ASE will report their findings and next steps. You can access this session by following the link in the newsletter.

On **9th November**, there will be an ASE Scotland Annual Business Meeting from 16:30 to 18:00 via Zoom. In the meeting, we have a main speaker: Gill Arbuthnott, author of books: *A Beginner's guide to Periodic Table*; *Crazy Creatures*; *Microbe Wars*, and *Shore to Ocean Floor*. We are also organising a programme of Teachmeets for primary and secondary teachers and technicians.

We are also looking forward to a face-to-face ASE Scotland conference on **5th March 2022**. This will be held at Kinross High School and the focus of the conference is practical work. A huge thank you to those who are keen to offer their expertise for either a workshop or spotlight session. At the moment, we have received many responses and will publish the conference programme in the next newsletter.

In the professional development section, there is a wide range of events offered to technicians and teachers. As well as professional learning, the newsletter highlights updates on IOP Scotland CLPL; Learned Society Group; Subjects Matter; Royal Society of Chemistry, and Millgate publishing.

Keeping Science Practical is a new programme, which supports secondary schools in difficult circumstances in delivering practical-science education e.g. no technician, remote areas. If you would like your school to get involved then click on the URL or QR code in the newsletter.

We also encourage colleagues to consider joining ASE. Have a look at memberships for the science department (11-19); student teacher, and early career primary and secondary teachers. Benefits of membership include discounts to CPD, conference events and ASE's bookshop.

Once again, we wish you well and look forward to working with you all.

ASE's Scottish Regional Committee

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ASE Scotland Conference 2022

Date: 5th March 2022

Venue: Kinross High School

The ASE Scotland Conference in partnership with SSERC for 2022, is delighted to be planning a programme underpinned by a theme of Practical Work for primary and secondary science educators. More to follow but for now, please save the date!

The programme is currently being coordinated as a face-to-face event, which will move to online nearer the time if Covid restrictions determine it is necessary to do so. There will also be an exhibition.

Scan the QR code or tap the URL below.

<https://www.ase.org.uk/events/ase-scotland-conference-2022>



Membership Sign Up

Science Department (11-19)

Save your school up to £320 per year on individual memberships.

Scan QR code or tap the URL below.



<https://www.ase.org.uk/membership-sign-science-department>

ASE Science Department membership can help support the entire science team in any secondary school or FE college. For example, trainee and early-career teachers will be able to develop their careers through access to our extensive range of *live CPD events* and recorded webinars, while heads of science might benefit from strategic-level materials such as our *Good Practical Science guidance* or *Best Practice Guidance Documents*.

For just **£250 per year**, science departments are granted five individual logins (additional logins can be added for £30 per user), with registered users able to enjoy benefits such as:

- Member discounts of up to 50% on all ASE CPD events (including online), such as our annual conference - traditionally the largest gathering of science education specialists in Europe
- Access to recorded video CPD materials through our member-only *secondary CPD Video hub*
- Physical copies and digital archive access to our leading primary journal *School Science Review* (1x physical copy per school - UK only)
- Physical copies and digital archive access to our leading primary journal *Education in Science* (1x physical copy per school - UK only)
- A wealth of digital teaching/department resources such *BEST STEPS* or our *Science Department Scenarios*
- Market-leading technician-facing resources such as *Topics in Safety*, and the *Prep Room Organiser*
- Up to 50% the vast majority of ASE & Millgate publications at *Millgate*.

If you get your science department to sign up, you get your next year's individual membership for free!

Primary membership

ASE primary membership provides teaching resources and professional development opportunities to support primary science subject leaders, teachers and schools.

Scan QR code or tap the URL below.



<https://www.ase.org.uk/content/membership-sign-primary>

For just **£130 per year**, schools are granted eight individual logins, with registered users able to enjoy benefits such as:

- Member discounts of up to 50% on all ASE CPD events, including our four-day annual conference - traditionally the largest gathering of science education specialists in Europe
- Access to recorded video CPD materials through our member-only Primary CPD Video hub
- Physical copies and digital archive access to our leading primary journal *Primary Science* (1x physical copy per school - UK only)
- Physical copies and digital archive access to our leading primary journal *Education in Science* (1x physical copy per school - UK only)
- The *Primary Science Leaders' Survival Guide* (Online resource)
- A wealth of teaching resources such *PLAN*, *Primary upd8* and the *Primary Remote Learning Resources*
- Up to 50% off ASE & Millgate publications at *Millgate*.

Student Teacher & Early Career 3 Year Option

We want you to be able to enjoy the support and benefits that being part of our network and community bring, and are delighted to be able to give our student teacher & early career members a special three-year offer, at a significantly discounted rate of **£136 for three years** (charged at £24, £44 and £68 in years 1-3 respectively or as a single one-off payment). If you feel a three-year membership option might not be for you, we also offer a one year plan for £70 for the year instead.

Some of the benefits trainee and early career members receive include:

- Priority access to ASE webinars as well as to our popular *Teachmeets*.
- Big discounts on professional development, from hands-on *workshops*, to our flagship *Annual Conference* (including one free day per year at any ASE CPD event during your three year plan)
- Access to early-career member online sessions providing opportunities to ask questions and share concerns & best practice.
- ASE Journals and full access to our *journals archive online*.
- Secondary members will also get online access to *School Science Review*, our leading peer reviewed journal; Primary members will get online access to our leading *Primary Science* journal.

Scan QR code or tap the URL below.

<https://www.ase.org.uk/individual-membership>



Professional Registration

The ASE is licensed by the Science Council to manage professional awards, which recognise excellence for practitioners in science education:

- **RSci** (Registered Scientist Award), which benefits all those concerned with science teaching as a profession;



<https://www.ase.org.uk/rsci>

- **RSciTech** (Registered Science Technician Award), which benefits all those concerned with science education, and



<https://www.ase.org.uk/rscitech>

- **CSciTeach** (Chartered Science Teacher Award), which benefits all those concerned with science teaching as a profession.



<https://www.ase.org.uk/cscteatch>

These can be awarded to eligible members. If you are not yet a member of ASE, you can click on the above QR code, that applies to you, in the membership section.

Closing dates for applications

These are closing dates for applications to SSERC courses. The QR code and URL, for each course, is in the Professional Development section of the newsletter.

Super STEM: Closing date - Friday 8th October 2021

Science for Secondary Probationers: Closing date - 22nd October 2021

Laboratory Science National 5: Closing date - 29th October 2021

Sensory Science SSERC Meet: Closing date - Thursday 4th November 2021

Marvellous Magnets SSERC Meet: Closing date - Thursday 4th November 2021

Support for Advanced Higher Biology: Closing date - Friday 5th November 2021

Practical Techniques for Recently Qualified Biologists: Closing date - 30th November 2021

Chemistry for Advanced Higher: Closing date - 7th January 2022

Keeping Science Practical

Our new programme, established with the generous support of the Wolfson Foundation, aims to support schools in difficult circumstances in their provision of high-quality practical science education.

The ASE have initiated a new programme that aims to support schools in delivering effective practical science provision. This project will provide a programme of extended support for more than 100 disadvantaged secondary schools across the UK, focused particularly on practical science. Through a targeted and tailored programme of online and face to face CPD for heads of science, early career teachers and school science technicians, we will seek to increase the frequency, variety and effectiveness of practical science in these schools and through this support both student engagement in science and progression.

<https://www.ase.org.uk/your-secondary-school-eligible-our-keeping-science-practical-programme>



IOP Scotland CLPL

Stuart Farmer

Stuart is IOP Education Manager in Scotland.

The IOP Scotland Physics Coach team are organising a range of online CLPL events. Up-to-date details of these can be found on Talk Physics Events

<https://www.talkphysics.org/events/>



You will also find there details on UK and Ireland wide online events continuing the Domains CPD series

<https://www.talkphysics.org/events/domains-cpd-programme-2021-22/>



The IOP Domains CPD videos and other resources can be found on IOPSpark

<https://spark.iop.org/>



NEWS

The Learned Society on Scottish STEM Education (LSG)



Stuart Farmer

Ken Muir attended the meeting of the LSG on 5 October 2021. This gave an important opportunity to hear details of developments since the OECD's Review of CfE, and also to feed in the views of the learned societies across the STEM subjects.

People are encouraged to respond to Ken Muir's consultation

<https://www.gov.scot/publications/independent-review-education-scotland-scottish-qualification-authority-professor-kenneth-muir/> and attend

the remaining event

<https://www.eventbrite.co.uk/e/reform-of-the-scottish-qualifications-authority-and-education-scotland-tickets-174196365017>.



TAPS — Teacher Assessment in Primary Science.

TAPS is a resource for monitoring and formal assessment in Primary. This is now revised for CfE.

<https://www.ase.org.uk/resources/teacher-assessment-primary-science-taps>



Subjects Matter



Stuart Farmer

IOP, working in partnership with other professional associations and learned societies, including ASE, is promoting the importance of subject-specific CLPL. IOP and the Royal Society of Edinburgh (RSE), on behalf of the Learned Societies Group on Scottish STEM Education (LSG), are hosting a seminar to launch the Subjects Matter report <https://www.iop.org/about/publications/subjects-matter>.

Representatives from a wide range of subject associations, learned societies, unions, national and local government, and other organisations with an interest in teacher professional learning have been invited to the seminar at RSE on **Thursday, 18 November 2021**. Professor Martin Hendry, Chair of the LSG, will chair the event and Sir John Holman, President of the ASE, will be the keynote speaker. The importance of high-quality, subject-specific professional learning which meets the needs of teachers and helps them meet the needs of learners and improve their educational outcomes is well recognised in the educational research literature. This seminar will explore how this can be better taken forward within the Scottish education system.








ASE Publications Committee

We're proud to announce that, after some long months of work, our new online publications portal is now live. MHE & ASE Publications is a new publishing venture born from the merger of Millgate House Education and the publishing arm of The ASE, and you'll find its new integrated digital home at the revamped Millgate website.

The new website now hosts all of the ASE books and publications that used to be available through our bookshop on the ASE website, with a greatly enhanced selection of additional science education publications and digital resources along with an upgraded search functionality to help you find what you need quickly.

If you are an ASE member you can still take advantage of your membership discount on Millgate and ASE publications – which in most cases is up to 50% off. To access this entitlement, and display the relevant discounted prices, simply create a new Millgate account (via the top left button on the new Millgate website) and let us know what your ASE membership ID number is via the sign up form.

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| Classroom resources | https://www.millgatehouse.co.uk/product-category/classroom-resources/ |  |
| Practitioner resources | https://www.millgatehouse.co.uk/product-category/practitioner/ |  |
| Primary | https://www.millgatehouse.co.uk/product-category/primary/ |  |
| HE/FE | https://www.millgatehouse.co.uk/product-category/he-and-fe/ |  |
| Secondary | https://www.millgatehouse.co.uk/product-category/secondary/ |  |

ASE Science Teacher SOS



The ASE produced a guide, *Science Teacher SOS*, to help you make choices. The guide applies to teachers new to the profession; in their first few years of teaching; established teachers, and science leaders. The document is used to support those thinking of leaving the profession.

The research team, led by Dr Andy Chandler-Grevatt of Brighton University, worked with the participating schools in understanding issues they had around teacher retention and helping them to take positive steps to improve the well-being, job satisfaction and career intentions of their science teachers.

The project, funded by Gatsby Charitable Foundation, produced a report on how schools used the ASE Science Teacher SOS document. The report also highlights some of the strategies science leaders and leadership teams used to retain good science teachers.

The ASE will present a session on **14th October, 17:00 to 18:00** on their findings of the Science Teacher SOS report.

It will focus on:

- how schools used the document to help improve the wellbeing, job satisfaction and career intentions of their science teachers;
- launching ASE **RISE** (Retention Initiative for Science Educators): an online platform that science leaders can use to diagnose issues within their science department, take positive action to improve the lives and professional development of their science teachers, and where necessary strengthen relationships between science departments and senior leaders.

The final report for the ASE SOS Science Teacher Retention Project led by Dr Andrew Chandler-Grevatt, Sarah Longshaw and Rob Butler, is now available. See the bottom QR code/URL.

You can sign up for the workshop by either scanning the QR code or tap the URL below.

<https://www.ase.org.uk/events/tackling-challenge-of-teacher-retention-ase-rise>



You can access ASE's RISE by either scanning the QR code or tap the URL below.

<https://www.ase.org.uk/rise-retention-initiative-science-education-programme>








You can access the final SOS Science Teacher retention report by either scanning the QR code or tap the URL below.

<https://www.ase.org.uk/news/final-sos-science-teacher-retention-report-now-available-follow-project-launches>



Sustainability resources

In terms of activities we have the following. These will be developed in the run up to COP26 with the launch of sustainability and careers resources for primary teaching.

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| <p>Recorded CLPL Session - Learning for Sustainability – Climate Emergency #OnTheRoadTo COP26 –</p> <p>https://www.youtube.com/watch?v=mw189jBAUpk&t=539s</p>  | <p>Exploring Climate Justice: A human rights-based approach –</p> <p>https://www.ideas-forum.org.uk/climate-justice-education</p>  | <p>Climate sustainability resources –</p> <p>https://edu.rsc.org/resources/collections/climate-change-and-sustainability</p>  | <p>Pedagogy articles for teaching the UN Sustainable goals in the classroom –</p> <p>https://edu.rsc.org/eic/collections/sustainability-in-chemistry</p>  | <p>Chemistry world Research and Innovation for sustainability –</p> <p>https://www.chemistryworld.com/collections/sustainability</p>  |
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Royal Society of Chemistry events

Upcoming Royal Society of Chemistry CLPL events for teachers range from small, informal resources sessions, careers sessions and curriculum contextualisation workshops to larger events such as teacher conferences. <https://edu.rsc.org/events>

The events are listed on the next page.



If you would like any of these sessions re-run or delivered for your school then please get in touch with Stephen Hendry – hendrys@rsc.org

| CLPL sessions: supporting practical chemistry | |
|--|--|
| 14 Sep | ASN/SEND/AEN – supporting all learners with practicals |
| 16 Sep | Classroom management to support behaviour and learning in practicals |
| 21 Sep | Blended learning: a 'how to' guide |
| 23 Sep | Beyond covid - how simulations can support confidence in practicals: "using online simulations to support post-16 analytical practical work" |
| 28 Sep | Boosting pupils' confidence with practical work - online aspirin simulation |
| 30 Sep | Microscale chemistry: simplified practical to enhance understanding |
| 5 Oct | Ensuring equity for all learners in the practical classroom |
| 7 Oct | Gatsby practical benchmarks and what they mean for your classroom |
| 12 Oct | Support practical learning and teaching with Education in Chemistry |
| 14 Oct | Different approaches to build understanding |
| 19 Oct | Demonstrations for impact |
| 21 Oct | Ensuring practical work achieves intended learning |

| CLPL sessions: learning for sustainability | |
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| 26 Oct | Making the difference: careers in sustainable chemistry |
| 28 Oct | Pupil voice in sustainability matters: debunking fake news |
| 2 Nov | Goals to transform our world: affordable and clean energy |
| 4 Nov | Goals to transform our world: clean water and sanitation |
| 09 Nov | Fuelling the future |
| 11 Nov | President Tom Welton - chemistry for a sustainable world |
| 16 Nov | Numeracy within the context of sustainability |
| 18 Nov | Language of science: teaching literacy to accelerate progress |
| 23 Nov | Batteries |
| 25 Nov | Polymers in liquid formulation |
| 30 Nov | Plastic - the good, the bad and the ugly |
| 2 Dec | Sustainable fashion - aiming towards a circular economy |
| 7 Dec | Conflict materials |

Funding



Chemistry Teaching Empowerment Fund

Up to £600 (€690) to organise your own collaborative project or event that improves science/chemistry teaching

Chemistry Teaching Empowerment Fund

<https://edu.rsc.org/teach-chemistry/teach-chemistry-benefits/chemistry-teaching-empowerment-fund>



Primary Science Teaching Empowerment Fund

<https://edu.rsc.org/primary-science/get-funding/primary-science-teaching-empowerment-fund>



Apply for up to £750 to support a sustainability themed activity over Chemistry Week

This year, to coincide with COP26, the RSC are extending the annual Chemistry Week to last for the full 12 days of the Conference. COP26 and Chemistry Week 2021 fall within the RSC Chemistry, Sustainability and Circular Economy (CSCE) campaign, so to reflect and celebrate themes that span both COP26 and CSCE, the focus of Chemistry Week 2021 is sustainability. We're inviting RSC members, Teach Chemistry schools and ChemSocs to apply for up to £750 to support a sustainability themed activity over Chemistry Week. This could be an activity to inspire the next generation to celebrate the diversity of chemistry within our community. Funding is open until Monday 4 October and may take 30–45 min to complete.

If you have any questions or want to discuss a potential project get in touch with the outreach team (outreach@rsc.org)

Enhanced equipment and chemistry clubs funding £1,000

The Biological and Medicinal Chemistry Sector (BMCS), one of our member-led Interest Groups, has been providing funds, up to £1,000, for small educational projects in schools and colleges for many years. The unifying theme of all of these projects has been their common objective of enhancing the learning and teaching experience in relation to chemistry -

<https://www.rscbmcs.org/educationsupport/>












Educational grants £3,000

The RSC Speciality Chemicals Sector is delighted to invite UK state schools to apply for an educational support grant. We want to hear from teachers who would like up to £3,000 to help fund a science or chemistry related project. This grant is available to all age groups, so get your applications in now - <https://rscspecialitychemicals.org.uk/>



Professional Development

Early Years & Primary Teachers









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| <p>Sensory Science SSERC Meet</p> <p><i>Dates: 16th November 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/primary-clpl/sensory-science-nov-2021/</p> |
| <p>Marvellous Magnets SSERC Meet</p> <p><i>Dates: 25th November 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/primary-clpl/marvellous-magnets-nov-2021/</p> |
| <p>Super STEM</p> <p><i>Dates: 12th & 13th November 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/primary-clpl/super-stem-nov-2021/</p> |
| <p>STEM, Rocks, Our World</p> <p><i>Dates: 4th & 5th March 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/primary-clpl/stem-rocks-our-world-mar-2022/</p> |
| <p>Pneumatics & Hydraulics SSERC Meets</p> <p><i>Dates: 2nd & 8th March 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/primary-clpl/ph-ssercmeet-mar-2022/</p> |
| <p>Sowing Seeds SSERC Meets</p> <p><i>Dates: 3rd March 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/primary-clpl/seeds-ssercmeet-mar-2022/</p> |
| <p>Early Level STEM Day 1 -</p> <p><i>Dates: 15th March 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/primary-clpl/early-level-stem-day-1-mar-2022/</p> |
| <p>Early Level STEM Day 2 -</p> <p><i>Dates: 16th March 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/primary-clpl/early-level-stem-day-2-mar-2022/</p> |
| <p>Sowing Seeds SSERC Meets</p> <p><i>Dates: 9th March 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/primary-clpl/sowing-seeds-mar-2022/</p> |









Secondary Science Teachers

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| <p>ASE Maths for Biology Teachers course, in partnership with AMSP</p> <p><i>Dates: 28th September 2021 to 2nd February 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-maths-biology-teachers-course-in-partnership-amsp</p> |
| <p>ASE: Physics for Non-Specialists Online - Electricity</p> <p><i>Dates: 13th November 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/physics-non-specialists-online-electricity-0</p> |
| <p>ASE: Physics for Non-Specialists Online - Energy</p> <p><i>Date: 4th December 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/physics-non-specialists-online-energy-0</p> |
| <p>Physics for Non-Specialists Online - Radioactivity</p> <p><i>Date: 12th March 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/physics-non-specialists-online-radioactivity-0</p> |
| <p>ASE: Physics for Non-Specialists Online – Waves</p> <p><i>Date: 22nd January 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/physics-non-specialists-online-waves-0</p> |
| <p>ASE: Physics for Non-Specialists Online – Forces</p> <p><i>Date: 16th October 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/physics-non-specialists-online-forces-0</p> |
| <p>ASE: Physics for Non-Specialists Online - Electromagnetism</p> <p><i>Date: 5th February 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/physics-non-specialists-online-electromagnetism-0</p> |
| <p>SSERC: Practical Techniques for Recently Qualified Biologists</p> <p><i>Date: Online SSERC 3rd February 2022; at SSERC on 5th – 6th May 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/biology-clpl/practical-techniques-for-recently-qualified-biologists/</p> |
| <p>SSERC: Support for Advanced Higher Biology</p> <p><i>Dates: 7th – 8th December 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/biology-clpl/advanced-higher-biology/</p> |

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| <p>ASE: Physics for Non-Specialists Online – Astronomy</p> <p><i>Date: 2nd April 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/physics-non-specialists-online-astronomy</p> |
| <p>ASE Scotland Conference 2022</p> <p><i>Date: 5th March 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-scotland-conference-2022</p> |
| <p>ASE: An Introduction to Professional Registration through the ASE</p> <p><i>Date: 28th September 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/introduction-professional-registration-through-ase</p> |
| <p>ASE: Improve practical provision with the Gatsby practical benchmarks</p> <p><i>Date: 28th September 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/improve-practical-provision-gatsby-practical-benchmarks-rb</p> |
| <p>ASE Annual Conference 2022</p> <p><i>Dates: 5th January to 12th January 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-annual-conference-2022</p> |
| <p>SSERC: Laboratory Science National 5</p> <p><i>Dates: 24th – 26th November 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/chemistry-clpl/laboratory-science-national</p> |
| <p>SSERC: Chemistry for Advanced Higher</p> <p><i>Dates: 24th – 25th February 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/chemistry-clpl/chemistry-for-advanced-higher/</p> |
| <p>SSERC: Science for Secondary Probationers</p> <p><i>Dates: 2nd December 2021 (Online) & 2nd February 2022 (Practical day at SSERC)</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/probationers-clpl/science-for-secondary-probationers/</p> |
| <p>SSERC: SUSS</p> <p><i>Dates: Event 1 – 18th & 19th January 2022; Event 2 – 20th & 21st January 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/suss/</p> |

Technicians

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| <p>ASE TechMeet Online</p> <p><i>Date: 5th October 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-techmeet-online-1</p> |
| <p>ASE New Technicians: Getting Started</p> <p><i>Date: 7th October 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-new-technicians-getting-started-0</p> |
| <p>ASE RSciTech online session to find out more</p> <p><i>Date: 7th October 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-rscitech-online-session-find-out-more-f-0</p> |
| <p>ASE Technicians Supporting Students</p> <p><i>Date: 11th October 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-technicians-supporting-students-0</p> |
| <p>ASE: Online Technicians Leadership Programme – Working with and training others</p> <p><i>Date: 21st October 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/online-technicians-leadership-programme-working-and-training-others</p> |
| <p>ASE TechMeet Online</p> <p><i>Date: 2nd November 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-techmeet-online-2</p> |
| <p>ASE: Practical Chemistry for Technicians Online</p> <p><i>Date: 11th November 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-practical-chemistry-technicians-online</p> |
| <p>ASE: Practical Biology for Technicians Online</p> <p><i>Date: 18th November 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-practical-biology-technicians-online-1</p> |

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| <p>Online Technicians Leadership Programme: Organising your technical service</p> <p><i>Date: 25th November 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/online-technicians-leadership-programme-organising-your-technical-service</p> |
| <p>ASE: Practical Physics for Technicians Online</p> <p><i>Date: 2nd December 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-practical-physics-technicians-online</p> |
| <p>ASE Techmeet Online</p> <p><i>Date: 7th December 2021</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-techmeet-online-3</p> |
| <p>Online Technicians Leadership Programme: Leading yourself and your team</p> <p><i>Date: 20th January 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/online-technicians-leadership-programme-leading-yourself-and-your-team-1</p> |
| <p>ASE New Technicians: Getting Started</p> <p><i>Date: 27th January 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-new-technicians-getting-started-1</p> |
| <p>ASE TechMeet Online</p> <p><i>Date: 1st February 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-techmeet-online-4</p> |
| <p>Online Technicians Leadership Programme: Working with and training others</p> <p><i>Date: 24th February 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/online-technicians-leadership-programme-working-and-training-others-0</p> |
| <p>ASE Technicians Supporting Students</p> <p><i>Date: 17th March 2022</i></p> |  | <p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-technicians-supporting-students-1</p> |