



Final term...

Colleagues

Welcome to our third newsletter. I hope that with the arrival of Spring, the start of the new term and hopefully some rest and refreshment over the holidays you are all feeling more optimistic about the future.

In spite of lockdown ASE Scotland has been busy. In March, we had a successful online conference with an excellent range of presentations. It was also helpful to have recordings that we could catch up with after the day. My thanks to all the presenters and to the exhibitors who took part. I hope all of you that attended enjoyed the sessions and were able to take away some ideas for you to use in your professional practice. Personally, I found presenting what would have been a practical hands-on session quite a challenge. Hopefully our conference next year will be face-to-face and also gives us an opportunity to meet and do the networking we all enjoy.

We have also had an excellent range of Teachmeets for both primary and secondary practitioners. We have done two sessions on **teacher wellbeing** led by Andy Chandler-Grevatt, from the 11-19 committee, and has been instrumental in producing the SOS materials. We felt that this area was of priority in these extraordinary times. The highlight, in terms of numbers, with over 100 participants was the **Ask the SQA** session with Sue Pope. It obviously met a significant need and we are very grateful for the time and patience Sue gave to answering everyone's questions. We also contributed online to the Dumfries and Galloway STEM event. Online Teachmeets have certainly been successful and we shall continue with these next year. I certainly appreciate not having to travel, we are doing our bit towards reducing emissions and allowing colleagues from all over Scotland and beyond to participate in our sessions.

At the moment we are planning events for next session: there will be a mix of evening Teachmeets, morning events and of course our Annual conference. If you have any ideas for events please contact myself or Tess Watson.

All the best for this term and enjoy your summer holidays.

Susie Burr: Chair of ASE Scotland.

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**SQA Assessment
Workshop
recording now
online**

We recently hosted an online assessment workshop for teachers in Scotland - Ask SQA - and are delighted with the response. More than 100 educators took part, and we're very grateful to Sue Pope of the Scottish Qualifications Authority for sparing the time to answer so many questions. We've been inundated with requests this week to share the recording, so if you weren't able to join us you can find a recording of the session: <https://vimeo.com/530329127>

You can also access the recording by scanning the QR code:



NEW Membership Sign Up

NEWS

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 provides your department with resources and professional development opportunities designed to support Heads of Department, science teachers, technicians and trainees.

You can have up to five users with your Science Department Membership. Each user will be able to access all resources included with the membership as well as other benefits such as discounts to *CPD and network events* and up to 50% off in our *bookshop*.

They will also be able to access invaluable resources including *Topics in Safety*, *The ASE Science Leaders' Survival Guide* and *Best Practice Guidance* plus access our peer-reviewed journal *School Science Review*.

Student Teacher & Early Career 3 Year Option

Our special three year offer supports you through your teacher training & early career.

By taking membership out for three years you will receive a preferential rate of:

Year 1 - £24.00,

Year 2 - £44.00 and

Year 3 - £68.00 (to pay yearly you will need to complete a Direct Debit form)

- *Education in Science* professional journal for members
- *ASE Guide to Primary Science* for only £17.00
- Special trainee discounts to *events and conferences*.

Secondary Student Teacher & Early Career also includes:

- Our peer-reviewed journal *School Science Review*.

Primary Student Teacher & Early Career also includes:

- Our leading primary magazine *Primary Science*.

Scan QR code or tap the URL below.

<https://www.ase.org.uk/membership-sign-3-year-student-teacher-early-career>



Closing dates for applications

- **Microscale Chemistry Summer School (Chemistry)** see page 14 - **closing date: 7th May**
- **STEM, Rocks, Our World (Early years)** see page 13 - **closing date: 7th May**
- **Intermediate Physics (Technicians)** see page 15 - **closing date: 7th May**
- **IoP/SSERC: Online Summer School (Physics)** see page 4 & 5 - **closing date: 14th May**
- **Science on Stage 2022 (Science Teachers)** see page 8 - **closing date: 31st May**
- **SSERC: Physics Blended Professional Learning (Physics)** page 14 - **closing date: 4th June**
- **Electrical safety and PAT (Technicians)** page 15 - **closing date: 11th June**
- **Chemical Handling (Technicians)** page 15 - **closing date: 11th June**
- **Working with radioactive sources (Technicians)** page 13 – **closing date: 11th June**
- **Environmental Science (Science Teachers)** page 13 – **closing date: 13th August**
- **Chemistry Residential (Chemistry)** page 14 - **closing date: 20th August**
- **Support for AH Biology (Biology)** page 14 - **closing date: 3rd September**
- **Introductory Physics (Technicians)** page 15 - **closing date: 10th September**
- **Safety in Microbiology for Schools (Technicians)** page 15 - **closing date: 24th September**

IOP/SSERC Physics Teachers' Online Summer School 2021

Wednesday 23rd & Thursday 24th June 2021

Venue: Online

Programme:

The Online Summer School will include:

- Support for various aspects of BGE, N4, N5, Higher and Advanced Higher Physics
- Hands-on practical activities using a kit sent to participants
- Talks on Relativity, Black Holes and Postgraduate Research
- Pedagogical Strategies - Tools for teaching Science

There will be lectures, talks, practical workshops, discussion sessions and online networking opportunities. Delegates will receive a resource kit valued at around £450, sponsored by IOP Scotland, to assist them put lessons learned during the Summer School into practice in their own school. The Summer School will be run as a two day synchronous event for all participants. Participants are expected to attend and participate in all sessions as would be the case in a normal residential Summer School. If participants do not attend all sessions penalties, such as the return of the resource kit will be applied.

Draft Detailed Programme (subject to change due to unforeseen circumstances)

Wednesday 23 rd June 2021	
09:00-09:30	Introduction – explanation of the programme and expectations over the two days and an opportunity for delegates to introduce themselves to the group
09:30-11:00	Practical Investigations 1: BeeSpiV and Conductive Plastic , <i>Norman Bethune and Gregor Steele</i>
11:00-11:30	Break
11:30-12:30	Black Holes and the Evolution of Stars , <i>Stuart Farmer</i>
12:30-13:30	Lunch
13:30-14:30	Tools for Teaching Science: Blending Intuition and Intention , <i>Tim Browett and Stuart Farmer</i>
14:30-15:00	Break
15:00-15:45	What I wish I had known before I came to university , <i>Students from the University of St Andrews</i>
15:45-16:00	Break
16:00-17:00	Using feedback and evaluation to improve skills , <i>Alex Watson and Drew Burrett</i>

Thursday 24 th June 2021	
09:00-10:20	Practical Investigations 2: Internal Resistance and the Wheatstone Bridge , <i>Norman Bethune and Gregor Steele</i>
10:20-10:50	Break
10:50-12:10	Relativity , <i>Chris Hooley</i>
12:10-13:00	Lunch
13:00-14:00	Postgraduate Research Talks , <i>Students and Post-docs from the University of St Andrews</i>
14:00-14:30	Break
14:30-16:00	Practical Investigations 3: Smart Carts , <i>Norman Bethune and Gregor Steele</i>
16:00-16:20	Break
16:00-17:00	Closing Remarks and Evaluations

During breaks there will be online discussion rooms available to allow networking and more social interaction of the nature normally experienced during a face-to-face conference.

Cost:

The cost of the two day online IOP/SSERC Summer School is £290. Thanks to support from the ENTHUSE project run by the National STEM Learning Centre delegates from state funded schools will be able to reclaim a bursary of £320.

Closing date:

The closing date for bookings is **14th May 2021**. There is a limit of 20 places.

Scan QR code or tap the URL below.

<https://www.sserc.org.uk/professional-learning/secondary-clpl/physics-clpl/physics-online-summer-school/>



Stuart Farmer

Stuart is IoP Education Manager in Scotland.



Stephen Hendry: RSC

Do you know someone who deserves recognition? [#RSCPrizes](#) is your chance to nominate an individual or team who has made a difference in chemistry education over this challenging year, with winners receiving £3,000.

Nominations for our Education Prizes are now open and you can read more about the prize categories here - <https://rsc.li/3egBYNk> or scan the QR code.



Networking event for STEM ambassadors, RSC members and chemistry teachers

Thursday 6 May, 4.30 pm – 5.30 pm, online event

The three STEM ambassador hubs in Scotland and the RSC are delighted to invite you to our online networking event for secondary teachers, STEM ambassadors and RSC members in Scotland. Teachers will have the opportunity to meet in breakout rooms and discuss what support is required and what can be delivered online or pre-recorded from STEM ambassadors and RSC members:

Scan QR code or tap the URL below.

<https://www.eventbrite.co.uk/e/stem-ambassadorteacher-chemistry-networking-event-6th-may-2021-tickets-143734811691>



Fully funded CLPL for primary teachers

Steps into Science – teaching science in the primary classroom

We are holding three primary teacher events:

- Tuesday 11 May, 4–5 pm – *chemistry and literacy in the primary classroom*
- Tuesday 18 May, 4–5 pm – *chemistry and numeracy in the primary classroom*
- Tuesday 25 May, 4-5pm – *chemical changes in the primary classroom*

Fully funded Summer secondary teacher support sessions:

Events page –

<https://edu.rsc.org/events>



Website walkthrough of the RSC support on offer to secondary science teachers -

<https://www.youtube.com/watch?v=tQYdqCyfok&t=1s>



Royal Society of Chemistry manifesto ahead of the elections in Scotland

We have put together manifesto briefings outlining our priorities in Scotland:

Scan QR code or tap the URL below.

[Scotland manifesto briefing](#)



You can watch the 2021 Holyrood Elections Science Hustings event hosted by the Royal Society of Chemistry, Royal Society of Biology, Institute of Physics & the Royal Society of Edinburgh

Scan QR code or tap the URL below.

https://www.youtube.com/watch?v=VXoa_6rRsaU



Stephen Hendry: RSC

25th National Meeting for Scottish teachers of chemistry - The Nigel P. Botting Meeting for Teachers of Chemistry 2021

Wednesday 26th May 2021 (16.30 – 18.30 on Teams)

Headline Speakers

- Dr James Rae (University of St Andrews) – “The chemistry of climate change”
- Fiona Landy (Hydrogen Accelerator) – “The road to net zero”
- Lyndsay Ledingham (Culloden Academy) – “Teaching and assessment using online tools”
- Laura-Alexandra Smith (RSC) – “Update from the RSC Education Coordinators”

This meeting is for all Teachers and Educators of Chemistry in Scotland, and also for those that support that enterprise. Registration is FREE but it is required, such that delegates receive a link to enter the meeting. Due to the inability to assemble in person at our usual venue at the Byre Theatre in St Andrews, then this year the meeting is shortened to a two hour early evening slot.

The meeting for 2021 recognises that Scotland will host the UN Climate Change Conference (COP26) in the summer. Therefore, at the meeting year there will be some focus on the Chemistry of the environment and sustainability.

We do hope that you will tune into the meeting, and support it as an ongoing conference despite the obvious difficulty of Covid. Please feel free to pass on this Registration link to others you feel may find this meeting of interest. They are required to register their details and will be sent a direct link to access the meeting on Teams.

We look forward to engaging with you in due course:

https://forms.office.com/pages/responsepage.aspx?id=yyZW-KgN00mqWGTvZ47wGtO_jp7v1HFBsoz0Q18IOCvUNEZJWUZHS0xWM0M1N0tJSVhDNFcxSFc1RS4u



Save the Date: West of Scotland Meeting for Teachers of Chemistry

Online meeting, Tuesday 8th June 2021, 4-5:30pm

Speakers

- Dr Kristy Turner (University of Manchester): *Research into Balancing of Chemical Equations*
- Dr Jane Essex (University of Strathclyde): *What will next year's probationary chemistry teachers have been able to do during their PGDE?*
- Dr Stephen Hendry (Royal Society of Chemistry): *RSC educational support during COVID-19 – Learnings & insights*
- Dr Patrick Thomson (University of Strathclyde): *University practical work during COVID-19*

To register an interest in the meeting, please send an email to chemistry-teacherscpd@strath.ac.uk or simply look out for registration information on Strontium.

Science on Stage 2022

– application deadline

31st May 2021



The aim of Science on Stage is to advance science and STEM teaching by creating a platform for science teachers to share their best practice and creativity.

Selected teachers from each Science on Stage country come together for an international festival every two years. At the festival fair around 450 teachers from across Europe and beyond, from Canada in the west to Kazakhstan in the east, share ideas on teaching on teaching the STEM subjects. The UK has eleven of these places, but the time to apply for one of them is fast running out.

Further information can be found at

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



and

<https://www.ase.org.uk/events/science-stage-europe-2022-festival>.



When is the next festival?

The next European Science on Stage festival (#SonS2022) will take place from 24th to 27th March 2022 in Prague, Czech Republic at the Clarion Congress Hotel.

How are UK projects and delegates selected?

The UK's most creative and passionate STEM teachers are selected via application and reviewed by the Science on Stage UK selection panel.

Applications can be made by completing the questionnaire (link below) within SurveyMonkey:

<https://www.surveymonkey.co.uk/r/SonSUKPrague>



The deadline for applications is **31st May 2021**. The UK National Steering Committee (NSC) will shortlist applications in the summer of 2021 and successful delegates will be advised in September 2021.

Stuart Farmer

Stuart is IoP Education Manager in Scotland.

ASE Online Summer Conference 2021



17 June 2021 - 18 June 2021

The ASE is delighted to be able to offer an Online Summer Conference on 17th and 18th June 2021. The content has particular focus for early career teachers and primary and secondary educators, and we hope that there is something for everyone involved in all sectors of science education.

Please click <https://asesummerconferenceonline20.sched.com/> to view the live programme on Sched, (which may be subject to minor changes) or scan the above QR code.

For those of you unfamiliar with Sched, it is an online timetabling tool which presenters can use to update their session information and delegates can use to form their own personal agendas for the duration of their participation.

For each of the two days, we have 5 Zoom Rooms offering sessions for Panels & Keynotes, Early Career Teachers, Primary Educators, Secondary Educators and an All audience, with a few dedicated 30 minute-long sessions for exhibitors interspersed throughout the programme.

Tickets are available for both days from £84.00 (£70+VAT) for ASE members.

The ASE is delighted to be able to offer **10% off of ticket prices for participants who wish to attend both the Summer Online Conference and the Futures Online Conference in 2021** - please email conferences@ase.org.uk to be provided with instructions on how to access the discount for both events.

Next newsletter...

If you have any news that you would like to share, with practitioners, on either:

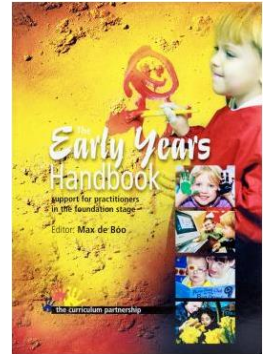
- opportunities and challenges in teaching practical science
- supporting student and probationer teachers
- supporting technicians (for Technicians' Corner)

then please forward your news to either:

Susan Burr (Susanburr952@btinternet.com); Tess Watson (tesswatson@ase.org.uk), or Colin Oates (coates@pkc.gov.uk).

Competition for teachers of early years

The prize for this category is *Early Year's Handbook: Support for Practitioners in the Foundation Stage* by Max de Boo. The ideas in this handbook are firmly rooted in learning through play whilst ensuring that curriculum targets are met, assessed effectively and shared with colleagues and parents. Each theme constructs the learning environment from Starting Points, Resources and Productive Questions through to Children's Voices and Assessment. The authors are well known for their expertise both in Early Years Education and their subject specialisms.



Complete the wordsearch using the nine words listed below.

- PITCH LIGHT
- METAL CELLS
- BULB HEAT
- MASS LAB
- BODY

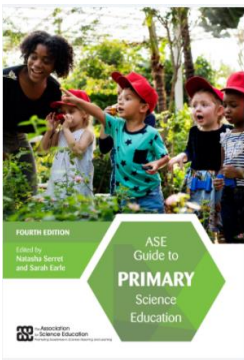
P	T	H	G	I	L
I	B	P	T	M	A
T	L	A	B	A	T
C	E	L	L	S	E
H	A	N	U	S	M
Y	D	O	B	E	T

To win this prize, send a snapshot of your completed wordsearch to tesswatson@ase.org.uk with subject heading: Early Years Wordsearch

Remember to include your name, occupation, email and school address. Deadline: Monday 31st May.

The first all correct entry picked, at random, will win. Details of the winner, together with the solution to this term's puzzle, will be published in the next newsletter.

Competition for primary teachers



The prize for this category is 4th edition of ASE's *Guide to Primary Science Education*.

The book contains vital ideas, suggestions and advice for anyone interested in primary science, whether a trainee or experienced teachers, subject leaders, senior management or early years practitioners.

Complete the wordsearch using the twelve words listed below. The remaining letters, in the grid, spell out the name of a creature.

- SOUND FORCE
- CELL BUG
- IONS SOLAR
- COLOUR SWITCH
- BULB ROCKS
- ECHO EARTH

S	F	B	E	C	H	O
S	O	L	I	E	R	H
H	R	U	O	L	O	C
T	C	B	N	L	C	T
R	E	U	S	D	K	I
A	N	G	A	I	S	W
E	L	R	A	L	O	S

The name of a creature is...

To win this prize, send a snapshot of your completed wordsearch with the mystery word to tesswatson@ase.org.uk, with subject heading: Primary Wordsearch

Remember to include your name, occupation, email and school address. Deadline: Monday 31st May.

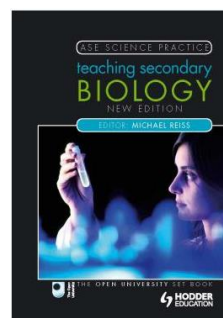
The first all correct entry picked, at random, will win. Details of the winner, together with the solution to this term's puzzle, will be published in the next newsletter.

Competition for teachers of secondary science

Competition for Biology Teachers

The prize for this category is *Teaching Secondary Biology*. This book will provide invaluable support whether you are a newly-qualified science teacher; an experienced teacher of biology who wants to extend the range of strategies and approaches used; a chemist or physicist who has to teach biology, or a student training to be a teacher. Each chapter covers a broad section of the curriculum and is divided into topics.

For each topic the book covers: student's likely previous knowledge; a suggested teaching sequence with activities necessary to cover basic biology; advice about students' misconceptions, common problems with individual activities, safety issues, and many more.



Re-arrange each anagram to reveal a word that applies to the digestive system.

1. **SMOTCHA**

2. **AVILSA**

3. **TEGLLU**

4. **HOMUT**

5. **VILER**

The words are:

1.

2.

3.

4.

5.

Send your entry to tesswatson@ase.org.uk with subject heading: Biology Anagrams. You can either send a snapshot or type in the five words.

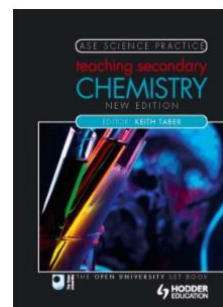
Remember to include your name, occupation, email and school address. Deadline: Monday 31st May.

The first all correct entry picked, at random, will win. Details of the winner, together with the solution to this term's puzzle, will be published in the next newsletter.

Competition for Chemistry Teachers

The prize for this category is *Teaching Secondary Chemistry*. This book will provide invaluable support whether you are a newly-qualified science teacher; an experienced teacher of chemistry who wants to extend the range of strategies and approaches used; a biologist or physicist who has to teach chemistry, or a student training to be a teacher. Each chapter covers a broad section of the curriculum and is divided into topics.

For each topic the book covers: student's likely previous knowledge; a suggested teaching sequence with activities necessary to cover basic chemistry; advice about students' misconceptions, common problems with individual activities, safety issues, and many more.



Re-arrange each anagram to reveal a chemical element.

1. **MERCIMAU I**

2. **STUNGNET**

3. **LOCHERIN**

4. **ORGAN**

5. **NONE**

The elements are:

1.

2.

3.

4.

5.

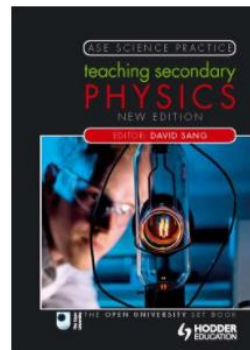
Send your entry to tesswatson@ase.org.uk with subject heading: Chemistry Anagrams. You can either send a snapshot or type in the five words. Remember to include your name, occupation, email and school address. Deadline: Monday 31st May.

The first all correct entry picked, at random, will win. Details of the winner, together with the solution to this term's puzzle, will be published in the next newsletter.

Competition for Physics Teachers

The prize for this category is *Teaching Secondary Physics*. This book will provide invaluable support whether you are a newly-qualified science teacher; an experienced teacher of physics who wants to extend the range of strategies and approaches used; a biologist or chemist who has to teach physics, or a student training to be a teacher. Each chapter covers a broad section of the curriculum and is divided into topics.

For each topic the book covers: student's likely previous knowledge; a suggested teaching sequence with activities necessary to cover basic physics; advice about students' misconceptions, common problems with individual activities, safety issues, and many more.



Re-arrange each anagram to reveal a word used in electronics.

1. T U R N E R C
2. O V A L G E T
3. S I S T O R A N T R
4. R O T H E R S M I T
5. E D D O I



The words are:

- 1.
- 2.
- 3.
- 4.
- 5.

Send your entry to tesswatson@ase.org.uk with subject heading: Physics Anagrams. You can either send a snapshot or type in the five words. Remember to include your name, occupation, email and school address. Deadline: Monday 31st May. The first all correct entry picked, at random, will win. Details of the winner, together with the solution to this term's puzzle, will be published in the next newsletter.

Professional Development

Early Years & Primary Teachers

<p>ASE: WM Online Outdoor Learning CPD Workshop</p> <p><i>Date: 13 May 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-wm-online-outdoor-learning-cpd-workshop</p>
<p>SSERC: STEM, Rocks, Our World</p> <p><i>Date: 11th & 18th June 2021</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/</p>

Science Teachers and Technicians: Health and Safety

<p>SSERC: Working with Radioactive Sources</p> <p><i>Dates: 24th August 2021; 23rd November 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/health-safety-clpl/working-with-radioactive-sources/</p>
<p>SSERC: Online Health and Safety Update</p> <p><i>Dates: 8th, 15th and 22nd November 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/health-safety-clpl/online-health-and-safety-update/</p>

Early Years, Primary and Secondary Teachers

<p>GTCS: Engineering STEM Learning – Primary Engineer</p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.gtcs.org.uk/professional-update/research-and-practitioner-enquiry/professional-recognition/accredited-professional-recognition-programmes.aspx</p>
<p>SSERC: Environmental Science</p> <p><i>Dates: 21st -22nd September 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/environmental-science-clpl-2/environmental-science/</p>

Secondary Science Teachers

<p>IOP/SSERC Physics Teachers' Online Summer School 2021</p> <p><i>Dates: 23rd and 24th June 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/physics-clpl/physics-online-summer-school/</p>
<p>SSERC: Microscale Chemistry Summer School</p> <p><i>Dates: 9 – 11th June, 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/chemistry-summer-school/</p>
<p>SSERC: Chemistry Residential</p> <p><i>Dates: 29 – 30th September, 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/chemistry-residential-2/</p>
<p>Physics for Non-Specialists Online - Radioactivity</p> <p><i>Date: 3rd July 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/physics-non-specialists-online-radioactivity</p>
<p>IOP: 46th Stirling Physics Teachers' Meeting</p> <p><i>Online: over a few days at the end of May</i></p>		<p>Scan QR code or tap the URL below.</p> <p>http://www.stirlingmeeting.org/home</p>
<p>ASE: Physics for Non-Specialists Online – Waves</p> <p><i>Date: 15th May 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/physics-non-specialists-online-waves</p>
<p>ASE: Physics for Non-Specialists Online - Electromagnetism</p> <p><i>Date: 12th June 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/physics-non-specialists-online-electromagnetism</p>
<p>SSERC: Physics Blended Professional Learning</p> <p><i>Date: Online SSERC Meets in September; two-day residential at SSERC in December)</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/physics-clpl/physics-blended-professional-learning/</p>
<p>SSERC: Support for Advanced Higher Biology</p> <p><i>Date: 26th October 2021; 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>

Technicians

<p>SSERC: Electrical Safety and PAT</p> <p><i>Dates: 9-10th September 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/technicians-clpl/electrical-safety-and-pat/</p>
<p>SSERC: Intermediate Physics</p> <p><i>Dates: 2nd – 3rd June 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/technicians-clpl/35349-2/</p>
<p>SSERC: Chemical Handling</p> <p><i>Dates: 7th – 8th September 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/technicians-clpl/35349-2-2-3/</p>
<p>SSERC: IOSH Working Safely</p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/technicians-clpl/35349-2-2-2-2/</p>
<p>SSERC: IOSH Managing Safely</p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/technicians-clpl/35349-2-2-2-2-2/</p>
<p>ASE Technicians Online Summer Conference</p> <p><i>Date: 08 July 2021 - 09 July 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.ase.org.uk/events/ase-technicians-online-summer-conference</p>
<p>SSERC: Health & Safety Update and Risk Assessment</p> <p><i>Date: 16th November 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/secondary-clpl/health-safety-clpl/health-safety-update-and-risk-assessment/</p>
<p>SSERC: Safety in Microbiology for Schools</p> <p><i>Date: 9th – 11th November 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/technicians-clpl/35349-2-3/</p>
<p>SSERC: Introductory Physics</p> <p><i>Date: 27th – 28th October 2021</i></p>		<p>Scan QR code or tap the URL below.</p> <p>https://www.sserc.org.uk/professional-learning/technicians-clpl/35349-2-2-2/</p>

Membership <https://www.ase.org.uk/membership>

From organising local events to influencing national policy, the ASE works for teachers and educators like you to help develop your skills, your career and your professional recognition. A selection of the many benefits you'll enjoy as an ASE member include:

- Access to thousands of curated teaching and CPD resources
- Subscriptions to influential, sector-leading journals and publications
- Inclusive public liability insurance cover up to the value of £10m
- Numerous CPD opportunities - both face-to-face at events and, now, in the online arena
- Professional registration opportunities to enhance your education credentials
- Opportunities to have your say and help shape the science education sector through our advocacy work

You can find a more complete description of the benefits of joining the ASE - broken down into categories: **Primary Membership**; **Secondary and Colleges Membership**, and **Trainee and Early Career Membership**.

<p>Primary Membership</p> 	<p>Secondary and Colleges Membership</p> 	<p>Trainee and Early Career Membership</p> 
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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/csciteach>

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.

ASE Science Teacher SOS



The ASE's 11-19 Committee 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 ASE are looking for schools that may be or have in the past struggled with science teacher retention in a Gatsby-funded project - the SOS project.

The project entails a nominated contact, working with an ASE representative, to survey science staff and leadership attitudes to teacher retention. The information gained is used to determine the next steps activity for the department and there is a further questionnaire at the end of the project.

The training and discussion (for the nominated school contact) will take place online and the questionnaire takes less than 20 minutes to complete. All data is anonymised and schools get a copy of their own data plus the collated data from other responders. The ASE would also like to produce a few case studies from the participants - but again these will be anonymised.

Why take part?

In addition to departmental membership of the ASE, schools get information about and strategies to use to address retention related concerns in their setting. For the school rep this is also a chance to develop project leadership skills.

Further information and an opportunity to express interest can be found:

<https://www.ase.org.uk/news/help-shape-our-mission-keep-best-science-teachers-in-education>
or by contacting sarahlongshaw@ase.org.uk or robbutler@ase.org.uk



TeachMeets and webinars

Due to Covid-19 pandemic, ASE has presented TeachMeets and webinars to technicians, student and probationer teachers; early years, primary and secondary teachers.

ASE Scotland is looking for teachers, ITE tutors, education consultants and faculty PTs who are willing to present in TeachMeets and webinars.

If you would like to share your expertise to colleagues then please contact Susanburr952@btinternet.com

ASE Scottish Committee

The Scottish Committee work together in organising TeachMeets; webinars; organising national conferences; newsletters, and many more.

If you are a member of ASE and would like to contribute to ASE Scotland Committee then contact Susanburr952@btinternet.com