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Looking forward to 2025...

ASE Scotland is looking forward to delivering a conference on Saturday 31st May. In the next newsletter, there will be more information on Scotland's ASE Conference with its theme on Supporting Practical Work in Science.

ASE has a major role in advocacy. ASE, with other institutes, have recently discussed ethical literacy at RSE. Details of the meeting with a link to the pdf file are provided next page.

ASE's School Science Review published an article on Broad General Education in Science (page 3). The article addresses the importance of pedagogy used to teach the curriculum as well as the curriculum itself. A link, to access the article, is on page 3.

There is another invitation to all teachers of science and geography to take part in the Scottish Teachers Meteorological Education Forum (page 3). The Forum focuses on improving learning and teaching on weather, climate and climate change in Scottish schools.

In this newsletter, we encourage colleagues to consider joining ASE. Have a look at memberships for the science department (11-19); technicians; student teachers, and early career primary and secondary teachers. Have a look at the workshops offered by ASE and if you are interested, click on the URL underneath to enrol onto that workshop. There are some workshops that are free for members.

We look forward to providing more details for the conference and future teach meets.

ASE Scotland Committee

ASE Scotland Conference: Saturday 31st May 2025

Supporting Practical Work in Science

Kinross High School

Workshops for primary including early years; secondary – biology, chemistry, physics, which will also support the work of technicians in school.

The keynote speaker is confirmed as Ian Menzies – *Senior Education Officer (Sciences, STEM, Learning for Sustainability and Outdoor Learning) Education Scotland*. Ian will be talking about the Curriculum Improvement Cycle (CIC) developments. Don't miss this opportunity to see how we are progressing on the developments that will affect everyone involved in Scottish Education.

Bookings will be open, before Easter break, so keep an eye on ase.org.uk

Each workshop session will be 55 minutes and for a Scottish audience. If you would like to offer a workshop, at the conference, please visit the ASE website and complete a form. We are looking for both primary and secondary sessions.

Learned Societies Group



This group of interested science organisations meets regularly to discuss and support STEM education. We have members covering biology, chemistry, engineering, mathematics and physics. We are supported by the Royal Society of Edinburgh.

Recently, we have produced responses to all the consultation documents. We also produced a report on ethical literacy, entitled *Moral conduct: using the curriculum to foster ethical literacy in Scottish learners*. You can access this from the RSE website:

A discussion of this report formed part of the presentation at the recent RSC **Science in the parliament** event. Associated with this we are holding an event at the Scottish Parliament on March 4th **Education and ethics in an AI powered world**.

At our January meeting we heard from Ian Menzies about the CIC developments.

Dr Susan Burr

<https://www.ase.org.uk/news/ethical-literacy-teaching-%E2%80%93-new-report-learned-societies-group-scottish-stem-education>

Learned Societies'
Group on Scottish
STEM Education

Policy advice

Education
(Scotland) Bill

September 2024



<https://rse.org.uk/wp-content/uploads/2024/10/LSG-Education-Scotland-Bill-2024.pdf>

ASE Scotland homepage...

<https://www.ase.org.uk/ase-scotland-homepage>



Welcome to our homepage for ASE Scotland

Welcome to our home to all of our ASE
Scotland-specific news, events and resources...

You can access older newsletters, resources for different subjects and at different levels, LSG documents and sign up to events at ASE Scotland homepage.

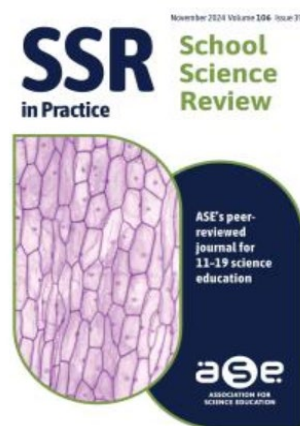
Reimagining secondary Broad General Education

sciences by *Colin McGill, Heather Earnshaw, Eric Easton, Kirstie Carvalho*

SSR in Practice: issue 392, page 25, published November 2024

Colin McGill, Heather Earnshaw, Eric Easton and Kirstie Carvalho argue that it is important we look at the pedagogy used to teach the curriculum as well as the curriculum itself.

<https://www.ase.org.uk/resources/school-science-review/issue-392/reimagining-secondary-broad-general-education-sciences>



Improving weather & climate teaching for Scotland

The [Scottish Centre of the Royal Meteorological Society](#) are keen to establish a Forum to help teachers improve the learning and teaching of weather, climate and climate change in Scottish schools. The Forum needs to be responsive to the requirements of classroom teachers and to this end we want to enlist the support of a number of Science and Geography teachers drawn from all parts of Scotland.

This Forum would (after discussion and probably a survey of teachers needs) determine its own direction of activities, prioritising and responding appropriately. It might first wish to:

- adapt the [Climate Education Plan devised for England](#), have this approved by the Scottish Government and be circulated to every school in Scotland ?
- or, place [existing learning materials](#) in a context relevant to the Scottish curriculum and examination systems ?
- or ... what ever the Forum consider is most important

The time commitment should not be onerous with most meetings being organised virtually and administrative support available from the Royal Meteorological Society. We would hope this work could be recognised as part of your CPD commitment.

If you wish to know more or are already keen to become involved in a **Scottish Teachers' Meteorological Education Forum** we would be delighted to hear from you. Contact us at scotland@rmets.org



Jonathan Smith - PGCE, MInstP, FRMetS

Secretary

Scottish Centre

Royal Meteorological Society

Joining ASE

Membership of the ASE offers [many benefits](#). By joining thousands of fellow educators in the ASE, you'll be securing invaluable support for your own professional development journey as well as enhancing our ability to effect genuine change in the sector.

Prices

ASE Membership - £45*

Technician Membership - £25*

Student Membership - Free* (for first two years of membership)

Institutional Memberships - Variable - see [Institutional Membership](#)

***Journal add-ons:** These prices exclude any journal add-ons you may wish to take out. As of September 2024, all members receive either Primary Science or School Science Review (SSR) journal as part of the membership fee. Additional journals can be added to your membership for additional cost, as outlined below:

• *Primary Science (PS)*: a themed journal for all those involved in primary science education for children aged 3-12. **Free if you choose as your member benefit journal, or £24.99 p/a if you buy as extra.**

• *School Science Review (SSR)*: a themed journal that is split into two parts: SSR in Practice, a magazine-style, professionally reviewed journal focusing on science education in the classroom; and SSR in Depth, the ASE's academically peer-reviewed journal for 11-19 science education. **Free if you choose as your member benefit journal, or £24.99 p/a if you buy as extra.**

• *Science Teacher Education (STE) Online Hub*: for all concerned with the pre-service education, induction and professional development of science teachers, including guidance for trainees in the classroom. **Priced at £24.99 p/a**

If you have any questions about joining or paying for your membership, please contact membership@ase.org.uk

ASE Membership

- ASE Membership £45, Technician Membership £25 (plus any additional journal add on costs - see below)
- Full list of benefits below but includes: professional journal of your choice (either Primary Science or SSR), free member TeachMeets in your region/online, free and discounted CPD, access to resources and guidance, discounted publications, pathway to chartered status, member update emails and more.

Student Teacher Membership

- Suitable for those in the first years of teacher training - across all UK teacher training pathways
- First two years of membership FREE (plus any journal add-ons you choose - see below), 50% discount on ASE Membership for the third year of membership - £22.50
- Full list of benefits below but includes: professional journal of your choice (either Primary Science or SSR), free member TeachMeets in your region/online, free and discounted CPD, access to resources and guidance, discounted publications, pathway to chartered status, member update emails and more.

Primary School Membership

ASE Primary School Membership can help both science-leads and non-specialist colleagues deliver excellence in science education..

ASE primary membership provides teaching resources and professional development opportunities to support primary science subject leaders, teachers and schools. For just £149 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)
- 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 and science education books through [Millgate](#)
- Digital archive access to our professional journal [*Education in Science*](#) (no longer publishing but still a rich resource of articles and ideas)

11-19 Science Department Membership

ASE Science Department membership can help support the entire science team in any secondary school or FE college...

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 eight 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 peer-reviewed journal [*School Science Review*](#) (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% off ASE and science education books through [Millgate](#)
- Digital archive access to our professional journal [*Education in Science*](#) (no longer publishing but still a rich resource of articles and ideas).

ASE Workshops

Primary Science in the Early Years

primary

04 March 2025

15:30 - 16:30

Type: Online event, Type: Workshop

Cost: £10 for ASE members, £20 for non-ASE members

Primary Science for those teaching reception to year 1 (P1)

Early Career Teachers, NQT (Newly Qualified Teacher), Primary, Student Teacher

National

<https://www.ase.org.uk/events/primary-science-in-early-years>

Radioactivity Revealed

physics

06 March 2025

16:30 - 18:00

Type: Online event, Type: Workshop

Cost: Discounted tickets for members

Join our dynamic, interactive workshop series designed to provide subject-specific support for science teachers. Whether you're looking to deepen your subject knowledge or refine your teaching strategies, our sessions have you covered!

11-19 Teachers, Early Career Teachers,

NQT (Newly Qualified Teacher), Student Teacher

National, International

<https://www.ase.org.uk/events/radioactivity-revealed>

ASE Annual General Meeting (AGM) 2025

all

08 March 2025

09:00 - 10:00

Type: Online event

All members of the Association are entitled to be present and to vote.

BGE (Broad General Education)

National, International

<https://www.ase.org.uk/events/ase-annual-general-meeting-agm-2025>

Practical Work in Chemistry

chemistry

12 March 2025

16:00 - 17:00

Type: Online event, Type: Workshop

Cost: Free for ASE members, £10 for non-members

Join experienced professional development leader Stephen Burrowes (and former chemistry senior professional development leader) to discuss practical work in chemistry.

11-19 Teachers, Early Career Teachers,

NQT (Newly Qualified Teacher)

National

<https://www.ase.org.uk/events/practical-work-in-chemistry>

Practical Mastery

all

19 March 2025

16:30 - 18:00

Type: Online event, Type: Workshop

Cost: Discounted tickets for members

This is the tenth session in our Teaching Physics: From Basics to Brilliance series.

11-19 Teachers, Early Career Teachers,

NQT (Newly Qualified Teacher), Student Teacher

National, International

<https://www.ase.org.uk/events/practical-mastery>

Trainee and ECT Network: Mindset, Resilience and Positivity

all

26 March 2025

16:30 - 17:30

Type: Networking, Type: Online event

Cost: Free for Members

Support for everyone in their first years of teaching from the ASE - the experts in science education.

11-19 Teachers, BGE (Broad General Education),

Early Career Teachers, NQT (Newly Qualified Teacher), Primary, Senior Phase, Student Teacher

National

<https://www.ase.org.uk/events/trainee-and-ect-network-mindset-resilience-and-positivity>

Technician Leadership - Working with and training others (online)

technician

01 April 2025

09:00 - 15:00

Type: Online event, Type: TeachMeet, Type: Workshop
Cost: From £52 for members

This one day online event forms part of 3 leadership modules for technicians. Two other modules focus on leading yourself and your team, and organising your technical service.

Technician

National

<https://www.ase.org.uk/events/technician-leadership-working-and-training-others-online>

Scientific Literacy - Primary Insights Network

primary

08 April 2025

15:30 - 16:30

Type: Networking, Type: Online event, Type: TeachMeet
Cost: Discounted for ASE Members

The Primary Insights Network is a place to discuss key themes in primary science in a welcoming and supportive space.

Early Career Teachers, NQT (Newly Qualified Teacher), Primary, Student Teacher

National

<https://www.ase.org.uk/events/scientific-literacy-primary-insights-network>

Technicians - Supporting Practical Biology

biology

technician

29 April 2025

09:00 - 15:00

Type: Online event, Type: TeachMeet, Type: Workshop
Cost: From £52

Biology practical work in schools can often be seen as difficult to set up and often with disappointing results for students, as well as being time consuming and boring. In some schools there does seem to be less biology practical work than both chemistry and physics due to these perceived issues.

Technician

National

<https://www.ase.org.uk/events/technicians-supporting-practical-biology-0>

Climate Change - Teacher Developer Network

all

08 May 2025

18:00

Type: Networking, Type: Online event
Cost: Free for Members

How does teacher eco-literacy affect teaching about climate change?
11-19 Teachers, BGE (Broad General Education),

Early Career Teachers, NQT (Newly Qualified Teacher), Primary, Senior Phase, SLT, Student Teacher

National

<https://www.ase.org.uk/events/climate-change-teacher-developer-network>

Technician Network - Extracurricular activities

technician

08 May 2025

14:00 - 15:00

Type: Networking, Type: Online event
Cost: ASE Members only

A chance to network with other technicians, share suggestions, ideas and tips with a group of friendly technicians.

Technician

National

<https://www.ase.org.uk/events/technician-network-extracurricular-activities>

Technicians supporting practical chemistry (online)

chemistry

technician

13 May 2025

09:00 - 15:00

Type: Online event
Cost: From £52 for ASE technician members

This online Practical Chemistry module will upskill technicians to improve their ways of working within their schools' scheme of work

Technician

National, International

<https://www.ase.org.uk/events/technicians-supporting-practical-chemistry-online>

Inclusion network - Guided discussion

15 May 2025

16:30 - 17:30

Type: Networking, Type: Online event
Cost: Free

Join others committed to making science inclusive and engaging for all learners.

11-19 Teachers, BGE (Broad General Education),

Early Career Teachers, NQT (Newly Qualified Teacher), Primary, Senior Phase, SLT, Student Teacher

National



<https://www.ase.org.uk/events/inclusion-network-guided-discussion-2>

Technicians supporting practical physics (online)

20 May 2025

09:00 - 15:00

Type: Online event
Cost: From £52 for ASE technician members

This one day course will explore tricks to prep physics, set up equipment and innovate physics demo's and practicals!

Technician

National, International



<https://www.ase.org.uk/events/technicians-supporting-practical-physics-online>

ASE Scotland Conference 2025

31 May 2025

09:00 - 16:00

Kinross High School

35 Muirs , Perth & Kinross KY13 8FQ , United Kingdom

Type: Conference

Cost: TBC Member discounts will apply

Save the date! ASE Scotland's 2025 Conference will take place at Kinross High School, KY13 8FQ

11-19 Teachers, Early Career Teachers, Primary, SLT, Student Teacher, Technician

Scotland



<https://www.ase.org.uk/events/ase-scotland-conference-2025>

Science on Stage 2026 Festival in Klaipeda, Lithuania

28 May 2026 - 31 May 2026

09:00 - 16:00

Type: Festival

Hold the date for the 2026 Science on Stage Festival in Lithuania.

[Read more](#)

11-19 Teachers, BGE (Broad General Education), Early Career Teachers, Primary, Senior Phase, SLT

International



<https://www.ase.org.uk/events/science-stage-2026-festival-in-klaipeda-lithuania>